FSGSF
1.8

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

May 22, 2014

MEMORANDUM

Subject: Data Validation Report for the Volatile Analysis of the Soil Samples Collected for the Freeman Ground Water Contamination Site - Case Number 44315, SDG JGFG5

From: Donald M. Brown, QA Chemist DMB
USEPA Region 10, Office of Environmental Assessment, Environmental Services Unit

To: Monica Tonel, Site Assessment Manager
USEPA Region 10, Office of Environmental Cleanup

CC: Renee Nordeen, Ecology & Environment, Inc.

The quality assurance (QA) review of the analytical data generated from the analysis of seventeen (17) soil samples collected from the above-referenced site has been completed. These samples were analyzed for Volatile Organic Compounds (VOCs) by ALS Environmental (DATAC) located in Salt Lake City, Utah.

All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic/Manual Process (S4VEM). The validation was conducted and appropriate qualifiers were applied according to the Quality Control Specifications outlined in the following:

- Sampling and Quality Assurance Plan for Freeman Ground Water Contamination (March 2014);
- USEPA Contract Laboratory Program (CLP) Statement of Work (SOW) for Multi-Media, Multi-Concentration Organics Analysis (SOM01.2);
- USEPA CLP National Functional Guidelines for Superfund Organic Methods Data Review (USEPA-540-R-08-01); and
- Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use (EPA-540-R-08-005).

Some data may be qualified using the reviewer's professional judgment. The conclusions presented herein are based on the information provided for the review. A summary of samples evaluated in this validation report and the pertinent dates for sample collection, laboratory sample receipt, extraction, and analyses is attached along with the validated data.

USEPA SF
1412586

Printed on Recycled Paper

I. QUALITY CONTROL RESULTS SUMMARY

Volatile Organic Analysis		
Quality Control Test	**Outliers?**	**Evaluation Criteria**
Blanks	Y*	Non-detect or < 5X Blank†
Initial Calibration	Y*	RRF > 0.05 and ≤ 30% RSD
Continuing Calibration Verification	N	RRF > 0.05 and Open: ≤ 25% D, Close: ≤ 50% D
Deuterated Monitoring Compounds	N	Varies by Compound
Internal Standards	N	50 – 200% of 12-hour standard

* See the Data Qualifications section below for outliers and qualification of affected data.
†10X Blank for ketones or solvents.
(Note: RRF = Relative Response Factor, RSD = Relative Standard Deviation, D = Difference)

II. DATA QUALIFICATIONS

Summary of Validation Qualifiers Applied:

Data qualifications applied after the manual and electronic data review can be found in the attached "Manual/Electronic Data Review Results" section of this report.

Data Qualifiers

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

Data Qualifiers	
U	The analyte was analyzed for but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified and the associated numerical value is an estimated quantity.
UJ	The analyte was analyzed for but was not detected above the level of the associated value. The associated value is an estimate and may be inaccurate or imprecise.
R	The data are unusable for all purposes. The analyte may or may not be present in the 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 sample result(s) manually in addition to the above data qualifiers to allow for data analysis and interpretation using PREscore software for the National Priorities Listing Hazard Ranking System (NPL-HRS).

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

Attachments:
Manual/Electronic Data Review Results
Sample Summary Report
Analytical Sample Listing (Report #6)

Manual/Electronic Data Review Results

VOLATILE ORGANIC ANALYSIS
Blank Qualification Summary
The following samples have analyte concentrations reported less than five times (<5X) [less than ten times (<10X) for ketones or solvents] the associated storage and/or method blank concentrations. Detected compounds are qualified U and are reported at the CRQL or at the level of detection. Non-detected compounds are not qualified.
Acetone – All Samples Methylene chloride – JGFG5, JGFG6, JGFG7, JGFH1, JGFH4, JGFH5, JGFH6, JGFH9, JGFJ0, JGFJ1
Initial Calibration Qualification Summary
The following samples are associated with an initial calibration with a Relative Response Factor (RRF) outside criteria (i.e., <0.05). Detected compounds are qualified JK. Non-detected compounds are qualified R.
1,4-Dioxane – All Samples
Detection Limit Qualification Summary
The following samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified JQ. Non-detected compounds are not qualified.
2-Butanone – JGFG7, JGFG9, JGFH0 Chloroform – JGFH2, JGFH4, JGFH6, JGFH7 Carbon tetrachloride – JGFG8, JGFH2, JGFH3, JGFH4, JGFH5, JGFH6, JGFH7 Toluene – JGFG6, JGFH8

Sample Summary Report

Case No:	44315	Contract:	EPW11037	SDG No:	JGFG5	Lab Code:	DATAC
Sample Number:	JGFG5	Method:	VOA_Low_Med	Matrix:	Soil	MA Number:	DEFAULT
Sample Location:	SB01SB01.5	pH:		Sample Date:	04/21/2014	Sample Time:	09:34:00
% Moisture :	10.111			% 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	J	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	Yes	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	4.3	ug/kg	1.0	U	U	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	4.3	ug/kg	1.0	U	U	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: 44315	Contract: EPW11037	SDG No: JGFG5	Lab Code: DATAC
Sample Number: JGFG6	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: SB01SB05	pH:	Sample Date: 04/21/2014	Sample Time: 10:21:00
% Moisture : 16.613		% 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	10	ug/kg	1.0	J	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	J	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	Yes	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	0.16	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: 44315	Contract: EPW11037	SDG No: JGFG5	Lab Code: DATAC
Sample Number: JGFG7	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: SB04SB04	pH:	Sample Date: 04/21/2014	Sample Time: 13:37:00
% Moisture : 14.218		% 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	19	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	J	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	9.7	ug/kg	1.0	J	JQ	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	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Benzene	6.0	ug/kg	1.0	U	U	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	Yes	S4VEM
Trichloroethene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	6.0	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-Pentanone	12	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
trans-1,3-Dichloropropene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	6.0	ug/kg	1.0	U	U	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	U	Yes	S4VEM
Ethylbenzene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	6.0	ug/kg	1.0	U	U	Yes	S4VEM

Case No: 44315	Contract: EPW11037	SDG No: JGFG5	Lab Code: DATAC
Sample Number: JGFG8	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: SB04SB05	pH:	Sample Date: 04/21/2014	Sample Time: 13:45:00
% Moisture : 18.644		% 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	9.7	ug/kg	1.0	J	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	U	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	9.7	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	0.21	ug/kg	1.0	J	JQ	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	97	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	9.7	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	4.8	ug/kg	1.0	U	U	Yes	S4VEM
2-Hexanone	9.7	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: 44315	Contract: EPW11037	SDG No: JGFG5	Lab Code: DATAC
Sample Number: JGFG9	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: SB06SB4.5	pH:	Sample Date: 04/21/2014	Sample Time: 15:16:00
% Moisture : 19.544		% 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	10	ug/kg	1.0	J	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	U	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	3.8	ug/kg	1.0	J	JQ	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	Yes	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	5.1	ug/kg	1.0	U	U	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: 44315	Contract: EPW11037	SDG No: JGFG5	Lab Code: DATAC
Sample Number: JGFH0	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: SB06SB6.5	pH:	Sample Date: 04/21/2014	Sample Time: 15:30:00
% Moisture : 19.794		% 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	9.1	ug/kg	1.0		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	U	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	2.8	ug/kg	1.0	J	JQ	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	90	ug/kg	1.0	U	R	Yes	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	9.0	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	4.5	ug/kg	1.0	U	U	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	4.5	ug/kg	1.0	U	U	Yes	S4VEM
2-Hexanone	9.0	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: 44315	Contract: EPW11037	SDG No: JGFG5	Lab Code: DATAC
Sample Number: JGFH1	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: SB06SB12	pH:	Sample Date: 04/21/2014	Sample Time: 15:40:00
% Moisture : 26.173		% 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	J	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	J	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	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Benzene	6.0	ug/kg	1.0	U	U	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	Yes	S4VEM
Trichloroethene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	6.0	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-Pentanone	12	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
trans-1,3-Dichloropropene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	6.0	ug/kg	1.0	U	U	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	U	Yes	S4VEM
Ethylbenzene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	6.0	ug/kg	1.0	U	U	Yes	S4VEM

Case No: 44315	Contract: EPW11037	SDG No: JGFG5	Lab Code: DATAC
Sample Number: JGFH2	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: SB09SB15	pH:	Sample Date: 04/22/2014	Sample Time: 16:25:00
% Moisture : 37.179		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	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
Trichlorofluorom ethane	7.1	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	7.1	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	14	ug/kg	1.0	J	U	Yes	S4VEM
Carbon disulfide	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	7.1	ug/kg	1.0	U	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	U	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
Bromochloromet hane	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	6.8	ug/kg	1.0	J	JQ	Yes	S4VEM
1,1,1-Trichloroethane	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	3.2	ug/kg	1.0	J	JQ	Yes	S4VEM
Benzene	7.1	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	7.1	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	140	ug/kg	1.0	U	R	Yes	S4VEM
Trichloroethene	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	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	7.1	ug/kg	1.0	U	U	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	U	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	U	Yes	S4VEM
Chlorobenzene	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	7.1	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	7.1	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	7.1	ug/kg	1.0	U	U	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	U	Yes	S4VEM
1,4-Dichlorobenzene	7.1	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	7.1	ug/kg	1.0	U	U	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: 44315	Contract: EPW11037	SDG No: JGFG5	Lab Code: DATAC
Sample Number: JGFH3	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: SB09SB19.5	pH:	Sample Date: 04/22/2014	Sample Time: 16:10:00
% Moisture: 34.769		% Solids:	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	7.2	ug/kg	1.0	U	U	Yes	S4VEM
Chloromethane	7.2	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	7.2	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	7.2	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	7.2	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	7.2	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	7.2	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	7.2	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	14	ug/kg	1.0	J	U	Yes	S4VEM
Carbon disulfide	7.2	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	7.2	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	7.2	ug/kg	1.0	U	U	Yes	S4VEM
trans-1,2-Dichloroethene	7.2	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	7.2	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	7.2	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	7.2	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	14	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	7.2	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	7.6	ug/kg	1.0			Yes	S4VEM
1,1,1-Trichloroethane	7.2	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	7.2	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	3.8	ug/kg	1.0	J	JQ	Yes	S4VEM
Benzene	7.2	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	7.2	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	140	ug/kg	1.0	U	R	Yes	S4VEM
Trichloroethene	7.2	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	7.2	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	7.2	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	7.2	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	7.2	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	7.2	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-Pentanone	14	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	7.2	ug/kg	1.0	U	U	Yes	S4VEM
trans-1,3-Dichloropropene	7.2	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	7.2	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	7.2	ug/kg	1.0	U	U	Yes	S4VEM
2-Hexanone	14	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	7.2	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	7.2	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	7.2	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	7.2	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	7.2	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	7.2	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	7.2	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	7.2	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	7.2	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	7.2	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	7.2	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	7.2	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	7.2	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	7.2	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	7.2	ug/kg	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	7.2	ug/kg	1.0	U	U	Yes	S4VEM

Case No: 44315	Contract: EPW11037	SDG No: JGFG5	Lab Code: DATAC
Sample Number: JGFH4	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: SB09SB25	pH:	Sample Date: 04/22/2014	Sample Time: 16:10:00
% Moisture : 31.655		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	6.9	ug/kg	1.0	U	U	Yes	S4VEM
Chloromethane	6.9	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	6.9	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	6.9	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	6.9	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	6.9	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	6.9	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	6.9	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	14	ug/kg	1.0	J	U	Yes	S4VEM
Carbon disulfide	6.9	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	6.9	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	6.9	ug/kg	1.0	J	U	Yes	S4VEM
trans-1,2-Dichloroethene	6.9	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	6.9	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	6.9	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	6.9	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	14	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	6.9	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	4.1	ug/kg	1.0	J	JQ	Yes	S4VEM
1,1,1-Trichloroethane	6.9	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	6.9	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	3.2	ug/kg	1.0	J	JQ	Yes	S4VEM
Benzene	6.9	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	6.9	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	140	ug/kg	1.0	U	R	Yes	S4VEM
Trichloroethene	6.9	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	6.9	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	6.9	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	6.9	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	6.9	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	6.9	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-Pentanone	14	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	6.9	ug/kg	1.0	U	U	Yes	S4VEM
trans-1,3-Dichloropropene	6.9	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	6.9	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	6.9	ug/kg	1.0	U	U	Yes	S4VEM
2-Hexanone	14	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	6.9	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	6.9	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	6.9	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	6.9	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	6.9	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	6.9	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	6.9	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	6.9	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	6.9	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	6.9	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	6.9	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	6.9	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	6.9	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	6.9	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	6.9	ug/kg	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	6.9	ug/kg	1.0	U	U	Yes	S4VEM

Case No: 44315	Contract: EPW11037	SDG No: JGFG5	Lab Code: DATAC
Sample Number: JGFH5	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: SB10SB15.5	pH:	Sample Date: 04/22/2014	Sample Time: 18:06:00
% Moisture : 38.773		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	7.3	ug/kg	1.0	U	U	Yes	S4VEM
Chloromethane	7.3	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	7.3	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	7.3	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	7.3	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	7.3	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	7.3	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	7.3	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	15	ug/kg	1.0	J	U	Yes	S4VEM
Carbon disulfide	7.3	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	7.3	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	7.3	ug/kg	1.0	J	U	Yes	S4VEM
trans-1,2-Dichloroethene	7.3	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	7.3	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	7.3	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	7.3	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	15	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	7.3	ug/kg	1.0	U	U	Yes	S4VEM
Chlorofom	7.3	ug/kg	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	7.3	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	7.3	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	0.88	ug/kg	1.0	J	JQ	Yes	S4VEM
Benzene	7.3	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	7.3	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	150	ug/kg	1.0	U	R	Yes	S4VEM
Trichloroethene	7.3	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	7.3	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	7.3	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	7.3	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	7.3	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	7.3	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-Pentanone	15	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	7.3	ug/kg	1.0	U	U	Yes	S4VEM
trans-1,3-Dichloropropene	7.3	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	7.3	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	7.3	ug/kg	1.0	U	U	Yes	S4VEM
2-Hexanone	15	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	7.3	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	7.3	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	7.3	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	7.3	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	7.3	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	7.3	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	7.3	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	7.3	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	7.3	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	7.3	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	7.3	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	7.3	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	7.3	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	7.3	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	7.3	ug/kg	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	7.3	ug/kg	1.0	U	U	Yes	S4VEM

Case No: 44315	Contract: EPW11037	SDG No: JGFG5	Lab Code: DATAC
Sample Number: JGFH6	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: SB10SB18.5	pH:	Sample Date: 04/22/2014	Sample Time: 17:45:00
% Moisture: 34.078		% Solids:	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	7.8	ug/kg	1.0	U	U	Yes	S4VEM
Chloromethane	7.8	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	7.8	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	7.8	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	7.8	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	7.8	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	7.8	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	7.8	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	16	ug/kg	1.0	J	U	Yes	S4VEM
Carbon disulfide	7.8	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	7.8	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	7.8	ug/kg	1.0	J	U	Yes	S4VEM
trans-1,2-Dichloroethene	7.8	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	7.8	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	7.8	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	7.8	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	16	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	7.8	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	3.5	ug/kg	1.0	J	JQ	Yes	S4VEM
1,1,1-Trichloroethane	7.8	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	7.8	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	6.5	ug/kg	1.0	J	JQ	Yes	S4VEM
Benzene	7.8	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	7.8	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	160	ug/kg	1.0	U	R	Yes	S4VEM
Trichloroethene	7.8	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	7.8	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	7.8	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	7.8	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	7.8	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	7.8	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-Pentanone	16	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	7.8	ug/kg	1.0	U	U	Yes	S4VEM
trans-1,3-Dichloropropene	7.8	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	7.8	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	7.8	ug/kg	1.0	U	U	Yes	S4VEM
2-Hexanone	16	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	7.8	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	7.8	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	7.8	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	7.8	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	7.8	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	7.8	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	7.8	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	7.8	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	7.8	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	7.8	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	7.8	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	7.8	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	7.8	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	7.8	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	7.8	ug/kg	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	7.8	ug/kg	1.0	U	U	Yes	S4VEM

Case No: 44315	Contract: EPW11037	SDG No: JGFG5	Lab Code: DATAC
Sample Number: JGFH7	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: SB10SB20.5	pH:	Sample Date: 04/22/2014	Sample Time: 18:14:00
% Moisture : 37.784		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	8.5	ug/kg	1.0	U	U	Yes	S4VEM
Chloromethane	8.5	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	8.5	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	8.5	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	8.5	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	8.5	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	8.5	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	8.5	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	17	ug/kg	1.0	J	U	Yes	S4VEM
Carbon disulfide	8.5	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	8.5	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	8.5	ug/kg	1.0	U	U	Yes	S4VEM
trans-1,2-Dichloroethene	8.5	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	8.5	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	8.5	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	8.5	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	17	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	8.5	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	4.5	ug/kg	1.0	J	JQ	Yes	S4VEM
1,1,1-Trichloroethane	8.5	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	8.5	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	4.4	ug/kg	1.0	J	JQ	Yes	S4VEM
Benzene	8.5	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	8.5	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	170	ug/kg	1.0	U	R	Yes	S4VEM
Trichloroethene	8.5	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	8.5	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	8.5	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	8.5	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	8.5	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	8.5	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-Pentanone	17	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	8.5	ug/kg	1.0	U	U	Yes	S4VEM
trans-1,3-Dichloropropene	8.5	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	8.5	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	8.5	ug/kg	1.0	U	U	Yes	S4VEM
2-Hexanone	17	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	8.5	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	8.5	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	8.5	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	8.5	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	8.5	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	8.5	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	8.5	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	8.5	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	8.5	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	8.5	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	8.5	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	8.5	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	8.5	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	8.5	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	8.5	ug/kg	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	8.5	ug/kg	1.0	U	U	Yes	S4VEM

Case No: 44315	Contract: EPW11037	SDG No: JGFG5	Lab Code: DATAC
Sample Number: JGFH8	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: HA01SB13.5	pH:	Sample Date: 04/23/2014	Sample Time: 09:30:00
% Moisture : 27.982		% 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	U	Yes	S4VEM
1,1-Dichloroethene	6.2	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	6.2	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	12	ug/kg	1.0	J	U	Yes	S4VEM
Carbon disulfide	6.2	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	6.2	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	6.2	ug/kg	1.0	U	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	U	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	U	Yes	S4VEM
Cyclohexane	6.2	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	6.2	ug/kg	1.0	U	U	Yes	S4VEM
Benzene	6.2	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	6.2	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	120	ug/kg	1.0	U	R	Yes	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	0.13	ug/kg	1.0	J	JQ	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	6.2	ug/kg	1.0	U	U	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	U	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
(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	28	ug/kg	1.0	JN	JN	Yes	S4VEM
.beta.-Pinene	35	ug/kg	1.0	JN	JN	Yes	S4VEM
D-Limonene	9.7	ug/kg	1.0	JN	JN	Yes	S4VEM
(+)-3-Carene	180	ug/kg	1.0	JN	JN	Yes	S4VEM
(+)-4-Carene	9.0	ug/kg	1.0	JN	JN	Yes	S4VEM

Case No: 44315	Contract: EPW11037	SDG No: JGFG5	Lab Code: DATAC
Sample Number: JGFH9	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: HA02SB2.5	pH:	Sample Date: 04/23/2014	Sample Time: 11:35:00
% Moisture : 10.479		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.5	ug/kg	1.0	U	U	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	U	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	J	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	5.5	ug/kg	1.0	J	U	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	U	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	Yes	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	5.5	ug/kg	1.0	U	U	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	U	U	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	U	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	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.5	ug/kg	1.0	U	U	Yes	S4VEM

Case No: 44315	Contract: EPW11037	SDG No: JGFG5	Lab Code: DATAC
Sample Number: JGFJ0	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: HA03SB09	pH:	Sample Date: 04/23/2014	Sample Time: 11:35:00
% Moisture: 16.561		% 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	9.4	ug/kg	1.0	J	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	J	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	9.4	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	94	ug/kg	1.0	U	R	Yes	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	9.4	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	4.7	ug/kg	1.0	U	U	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	4.7	ug/kg	1.0	U	U	Yes	S4VEM
2-Hexanone	9.4	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
(+)-3-Carene	8.7	ug/kg	1.0	JN	JN	Yes	S4VEM

Case No: 44315	Contract: EPW11037	SDG No: JGFG5	Lab Code: DATAC
Sample Number: JGFJ1	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: BK01SB03	pH:	Sample Date: 04/22/2014	Sample Time: 11:27:00
% Moisture: 16.385		% 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	9.5	ug/kg	1.0	JB	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	J	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	Yes	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	4.7	ug/kg	1.0	U	U	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	4.7	ug/kg	1.0	U	U	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: 44315	Contract: EPW11037	SDG No: JGFG5	Lab Code: DATAC
Sample Number: JGFJ1MS	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location:	pH:	Sample Date: 04/22/2014	Sample Time: 11:27:00
% Moisture : 16.385		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1-Dichloroethene	38	ug/kg	1.0		J	Yes	S4VEM
Dichlorodifluoro methane	5.1	ug/kg	1.0	U	UJ	Yes	S4VEM
Benzene	39	ug/kg	1.0		J	Yes	S4VEM
Chloromethane	5.1	ug/kg	1.0	U	UJ	Yes	S4VEM
Trichloroethene	39	ug/kg	1.0		J	Yes	S4VEM
Vinyl chloride	5.1	ug/kg	1.0	U	UJ	Yes	S4VEM
Bromomethane	5.1	ug/kg	1.0	U	UJ	Yes	S4VEM
Toluene	39	ug/kg	1.0		J	Yes	S4VEM
Chloroethane	5.1	ug/kg	1.0	U	UJ	Yes	S4VEM
Chlorobenzene	42	ug/kg	1.0		J	Yes	S4VEM
Trichlorofluorom ethane	5.1	ug/kg	1.0	U	UJ	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.1	ug/kg	1.0	U	UJ	Yes	S4VEM
Acetone	10	ug/kg	1.0	JB	UJ	Yes	S4VEM
Carbon disulfide	5.1	ug/kg	1.0	U	UJ	Yes	S4VEM
Methyl acetate	5.1	ug/kg	1.0	U	UJ	Yes	S4VEM
Methylene chloride	5.1	ug/kg	1.0	J	UJ	Yes	S4VEM
trans-1,2-Dichloroethene	5.1	ug/kg	1.0	U	UJ	Yes	S4VEM
Methyl tert-butyl ether	5.1	ug/kg	1.0	U	UJ	Yes	S4VEM
1,1-Dichloroethane	5.1	ug/kg	1.0	U	UJ	Yes	S4VEM
cis-1,2-Dichloroethene	5.1	ug/kg	1.0	U	UJ	Yes	S4VEM
2-Butanone	10	ug/kg	1.0	U	UJ	Yes	S4VEM
Bromochloromet hane	5.1	ug/kg	1.0	U	UJ	Yes	S4VEM
Chloroform	5.1	ug/kg	1.0	U	UJ	Yes	S4VEM
1,1,1-Trichloroethane	5.1	ug/kg	1.0	U	UJ	Yes	S4VEM
Cyclohexane	5.1	ug/kg	1.0	U	UJ	Yes	S4VEM
Carbon tetrachloride	5.1	ug/kg	1.0	U	UJ	Yes	S4VEM
1,2-Dichloroethane	5.1	ug/kg	1.0	U	UJ	Yes	S4VEM
1,4-Dioxane	100	ug/kg	1.0	U	R	Yes	S4VEM
Methylcyclohexa ne	5.1	ug/kg	1.0	U	UJ	Yes	S4VEM

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

Case No: 44315	Contract: EPW11037	SDG No: JGFG5	Lab Code: DATAC
Sample Number: JGFJ1MSD	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location:	pH:	Sample Date: 04/22/2014	Sample Time: 11:27:00
% Moisture : 16.385		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1-Dichloroethene	45	ug/kg	1.0		J	Yes	S4VEM
Dichlorodifluoro methane	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
Benzene	48	ug/kg	1.0		J	Yes	S4VEM
Chloromethane	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
Vinyl chloride	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
Trichloroethene	48	ug/kg	1.0		J	Yes	S4VEM
Bromomethane	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
Toluene	46	ug/kg	1.0		J	Yes	S4VEM
Chlorobenzene	50	ug/kg	1.0		J	Yes	S4VEM
Chloroethane	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
Trichlorofluorom ethane	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
Acetone	11	ug/kg	1.0	JB	UJ	Yes	S4VEM
Carbon disulfide	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
Methyl acetate	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
Methylene chloride	5.7	ug/kg	1.0	J	UJ	Yes	S4VEM
trans-1,2-Dichloroethene	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
Methyl tert-butyl ether	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
1,1-Dichloroethane	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
cis-1,2-Dichloroethene	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
2-Butanone	11	ug/kg	1.0	U	UJ	Yes	S4VEM
Bromochloromet hane	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
Chloroform	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
1,1,1-Trichloroethane	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
Cyclohexane	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
Carbon tetrachloride	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
1,2-Dichloroethane	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
1,4-Dioxane	110	ug/kg	1.0	U	R	Yes	S4VEM
Methylcyclohexa ne	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,2-Dichloropropane	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
Bromodichlorom ethane	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
cis-1,3-Dichloropropene	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
4-Methyl-2-Pentanone	11	ug/kg	1.0	U	UJ	Yes	S4VEM
trans-1,3-Dichloropropene	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
1,1,2-Trichloroethane	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
Tetrachloroethen e	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
2-Hexanone	11	ug/kg	1.0	U	UJ	Yes	S4VEM
Dibromochlorom ethane	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
1,2-Dibromoethane	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
Ethylbenzene	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
o-Xylene	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
m,p-Xylene	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
Styrene	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
Bromoform	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
Isopropylbenzen e	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
1,1,2,2-Tetrachloroethan e	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
1,3-Dichlorobenzene	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
1,4-Dichlorobenzene	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
1,2-Dichlorobenzene	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
1,2,4-Trichlorobenzen e	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM
1,2,3-Trichlorobenzen e	5.7	ug/kg	1.0	U	UJ	Yes	S4VEM

Case No: 44315	Contract: EPW11037	SDG No: JGFG5	Lab Code: DATAC
Sample Number: VBLKS1	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture : 0.0		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Chloromethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	10	ug/kg	1.0	U	U	Yes	S4VEM
Carbon disulfide	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	5.0	ug/kg	1.0	U	U	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Benzene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/kg	1.0	U	R	Yes	S4VEM
Trichloroethene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	5.0	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-Pentanone	10	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
trans-1,3-Dichloropropene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
2-Hexanone	10	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	0.28	ug/kg	1.0	J	J	Yes	S4VEM
Bromoform	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	0.28	ug/kg	1.0	J	J	Yes	S4VEM
1,4-Dichlorobenzene	0.33	ug/kg	1.0	J	J	Yes	S4VEM
1,2-Dichlorobenzene	0.33	ug/kg	1.0	J	J	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	0.39	ug/kg	1.0	J	J	Yes	S4VEM
1,2,3-Trichlorobenzene	0.57	ug/kg	1.0	J	J	Yes	S4VEM

Case No: 44315	Contract: EPW11037	SDG No: JGFG5	Lab Code: DATAC
Sample Number: VBLKS2	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture : 0.0		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Chloromethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	5.3	ug/kg	1.0	J	J	Yes	S4VEM
Carbon disulfide	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	5.0	ug/kg	1.0	U	U	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Benzene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/kg	1.0	U	R	Yes	S4VEM
Trichloroethene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	5.0	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-Pentanone	10	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
trans-1,3-Dichloropropene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
2-Hexanone	10	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	0.31	ug/kg	1.0	J	J	Yes	S4VEM
Bromoform	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	0.33	ug/kg	1.0	J	J	Yes	S4VEM
1,4-Dichlorobenzene	0.41	ug/kg	1.0	J	J	Yes	S4VEM
1,2-Dichlorobenzene	0.36	ug/kg	1.0	J	J	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	0.50	ug/kg	1.0	J	J	Yes	S4VEM
1,2,3-Trichlorobenzene	0.71	ug/kg	1.0	J	J	Yes	S4VEM

Case No: 44315	Contract: EPW11037	SDG No: JGFG5	Lab Code: DATAC
Sample Number: VHBLKS1	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture : 0.0		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Chloromethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	4.1	ug/kg	1.0	JB	J	Yes	S4VEM
Carbon disulfide	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	0.14	ug/kg	1.0	J	J	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Benzene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/kg	1.0	U	R	Yes	S4VEM
Trichloroethene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	5.0	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-Pentanone	10	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
trans-1,3-Dichloropropene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
2-Hexanone	10	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	5.0	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.0	ug/kg	1.0	U	U	Yes	S4VEM

National Functional Guidelines Report #06

Lab DATAC(ALS Environmental) **SDG** JGFG5 **Case** 44315 **Contract** EPW11037 **Region** 10 **DDTID** 195204 **SOW** SOM01.2

Analytical Sample Listing

VOA_Low_Med

						Extraction		Analysis		
Sample Number	**Sample Type**	**Matrix**	**Level**	**Sampling Date**	**Date Received**	**Type**	**Date/Time**	**Date/Time**	**GC Column**	**Instrument**
JGFG5	Field_Sample	Soil	Low	04212014 09:34:00	04252014 09:42:00			04292014 17:54:00	DB624	5972-S
JGFG6	Field_Sample	Soil	Low	04212014 10:21:00	04252014 09:42:00			04292014 18:24:00	DB624	5972-S
JGFG7	Field_Sample	Soil	Low	04212014 13:37:00	04252014 09:42:00			04292014 18:55:00	DB624	5972-S
JGFG8	Field_Sample	Soil	Low	04212014 13:45:00	04252014 09:42:00			04292014 19:26:00	DB624	5972-S
JGFG9	Field_Sample	Soil	Low	04212014 15:16:00	04252014 09:42:00			04292014 19:56:00	DB624	5972-S
JGFH0	Field_Sample	Soil	Low	04212014 15:30:00	04252014 09:42:00			04292014 20:27:00	DB624	5972-S
JGFH1	Field_Sample	Soil	Low	04212014 15:40:00	04252014 09:42:00			04292014 20:58:00	DB624	5972-S
JGFH2	Field_Sample	Soil	Low	04222014 16:25:00	04252014 09:42:00			04292014 21:29:00	DB624	5972-S
JGFH3	Field_Sample	Soil	Low	04222014 16:10:00	04252014 09:42:00			04292014 21:59:00	DB624	5972-S
JGFH4	Field_Sample	Soil	Low	04222014 16:10:00	04252014 09:42:00			04292014 22:30:00	DB624	5972-S
JGFH5	Field_Sample	Soil	Low	04222014 18:06:00	04252014 09:42:00			04292014 23:00:00	DB624	5972-S
JGFH6	Field_Sample	Soil	Low	04222014 17:45:00	04252014 09:42:00			04292014 23:30:00	DB624	5972-S
JGFH7	Field_Sample	Soil	Low	04222014 18:14:00	04252014 09:42:00			04302014 00:01:00	DB624	5972-S
JGFH8	Field_Sample	Soil	Low	04232014 09:30:00	04252014 09:42:00			04302014 00:31:00	DB624	5972-S
JGFH9	Field_Sample	Soil	Low	04232014 11:35:00	04252014 09:42:00			04302014 01:02:00	DB624	5972-S
JGFJ0	Field_Sample	Soil	Low	04232014 11:35:00	04252014 09:42:00			04302014 01:32:00	DB624	5972-S
JGFJ1	Field_Sample	Soil	Low	04222014 11:27:00	04252014 09:42:00			04302014 17:40:00	DB624	5972-S
JGFJ1MS	Matrix_Spike	Soil	Low	04222014 11:27:00	04252014 09:42:00			04302014 18:10:00	DB624	5972-S
JGFJ1MSD	Matrix_Spike_Duplicate	Soil	Low	04222014 11:27:00	04252014 09:42:00			04302014 18:41:00	DB624	5972-S