Five Points Remedial Investigation

This report contains the final results of the data validation conducted for water and soil samples collected for Phase I (April and May 2010), Phase II (September 2010), and Phase III (January 2011) of the Five Points PCE Plume Site Remedial Investigation. The sample results were presented in six data packages. The data review was conducted in accordance with the Quality Assurance Project Plan for the Five Points PCE Plume Site Remedial Investigation (URS, October2009) and evaluation of laboratory criteria, as applicable.

The samples were reported in six data packages (URSVB2, URS5L3, URS9V1, URS211, URSVB1, 1009237) and the individual narratives can be found in Section III. All data packages were reviewed for the following parameters as applicable to the analytical methods: receipt issues, method blanks, equipment blanks, trip blanks, holding time, laboratory control sample (LCS) recoveries, matrix spike/matrix spike (MS/MSD) recoveries and precision, field duplicate results, internal standard results, surrogate recoveries, initial and continuing calibration, and any issues identified in the laboratory case narrative, as applicable to the method.

Section I presents a summary of the quality control (QC) samples collected for this sampling event and any resultant qualification. Section II presents a discussion of precision, accuracy, representativeness, completeness and comparability (PARCC) parameters and sensitivity. And Section III presents the individual data review summaries for the four packages.

Section I – QC Samples

QC samples were collected and analyzed during the sampling event that included equipment blanks and samples selected for matrix spike/ matrix spike duplicate (MS/MSD) analysis and field duplicate samples in addition to method-specific QC analyses. An overall assessment for the sampling event data has been conducted by Phase. When QC issues accounted for less than 35% of the QC analyses conducted, applicable data qualification was limited to qualification of the associated parent samples. When QC issues accounted for more than 35% of the QC analyses conducted, applicable data qualification was extended to qualification of all samples.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/ matrix spike duplicate analyses were performed on the samples listed in the table below. This number of MS/MSD samples met the required Work Plan frequency of one set per twenty site samples.

Sample	Package #	Analyses
Water		
Phase I		
5P-MW2204	URSVB2	VOCs
Phase II		
5P-MW101-170	URS9V1	VOCs
Phase III		
5P-MW-101-158	URS211	VOCs
Soil		
Sewer Line Leak		
5P-DP104-002004	URSVB1	VOCs
5pts-YVC-under-North-pipe	1009237	VOCs

VOC = Volatile Organic Compounds

As applicable, qualifiers have been applied to the parent samples when the recoveries were outside the laboratory historical limits. In addition, the site-specific MS and MSD results were assessed collectively to evaluate potentially systematic matrix effects and to determine the need for qualification of associated sample results of similar matrix.

The table below presents the analytes where >35% of the MS and MSD percent recoveries were outside limits and qualifications have been applied to associated samples. The details of each MS/MSD analysis pair and qualification to parent samples are provided in the data review summary.

Analyte	# of MS/MSD Below Control Limits	# of MS/MSD Above Control Limits	Total # of MS/MSD	% MS/MSD Outside of Control Limits	Qualification
Sewer Line Leak – Phase III					
VOCs					
Acetone	0	2	4	50%	With the exception of the acetone result for sample 5P-DP104-002004, all associated detected acetone results were qualified as estimated to reflect the potential high bias (J MS/SD-H).
Tetrachloroethene	0	2	4	50%	With the exception of the tetrachloroethene result for sample 5P-DP104-002004, for which the MS/MSD recoveries were within the acceptance limits, all associated detected tetrachloroethene results were qualified as estimated to reflect the potential high bias (J MS/SD-H).

= Number MS/MSD = Matrix Spike/ Matrix Spike Duplicate % = Percentage

J/UJ = Estimated VOCs-Volatile Organic Compounds

As less than 35% of the relative percent differences (RPDs) between MS and MSD results were outside acceptance limits, only qualification of the parent sample was necessary.

Field Duplicates

The following three field duplicate pairs were collected in association with this sampling event. This number of field duplicate samples met the QAPP frequency of one set per twenty site samples collected. All applicable evaluation criteria were satisfied for all three field duplicate pairs. Data qualification was not required.

Field Duplicate pair	Data Package	Analyses
Phase I		
5P-MW103/5P-MW103-Y	URSVB2	VOCs
Phase II		
5P-MW101-160/5P-MW101-160-Y	URS9V1	VOCs
Sewer Line Leak		
5P-DP102-008009/5P-DP102-008009-Y	URSVB1	VOCs

Equipment Blanks

A water equipment blank, 5P-EB-040710, and a soil equipment blank, EB-040210, were collected in association with this sampling event. With the exceptions listed in the table below, target analytes were not detected in the equipment blanks. Only one analyte was reported as detected in each of the equipment blanks suggesting field sampling and decontamination procedures satisfied project requirements.

Analyte	Concentration	Qualification
Water		
Chloroform	1.4 µg/L	None. All associated sample chloroform results were reported as non-detect.
Soil		
Carbon Disulfide	3.8 µg/kg	None. All associated sample carbon disulfide results were reported as non-detect.

µg/L – Micrograms per Liter µg/kg – Micrograms per Kilogram

Section II – PARCC Parameters + Sensitivity

The section below presents precision, accuracy, representativeness, completeness, comparability (i.e., PARCC parameters), and sensitivity with respect to the samples collected for the Table Rock sampling event.

Precision

Precision is defined as the agreement between a set of replicate measurements without assumption or knowledge of the true value. Precision of laboratory measurements was evaluated by the comparison of method duplicate results, MS to MSD results, and FD results.

The relative percent differences (RPDs) between: 1) 100% of the RPDs between the site-specific MS/MSDs and 2) 100% of the field duplicate results satisfied the applicable evaluation criterion; indicating acceptable precision was attained with respect to the analytical method and sample matrix.

Accuracy

Approximately 99% of the surrogate recoveries were within acceptance limits, and approximately 98% of the site-specific MS recoveries were within the acceptance limits indicating acceptable accuracy was attained with respect to the analytical method and sample matrix.

No results were qualified as unusable during the data review process due to low MS/MSD or surrogate recoveries.

Representativeness

Representativeness is the degree to which data accurately and precisely represent a characteristic of a population, parameter variations at a sampling point, or an environmental condition. Representativeness was maintained during the sampling effort by completing all sampling using similar sampling procedures.

Completeness

Completeness is defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis. No results were qualified as unusable. The completeness of the program was 100%, satisfying the requirement of 90%.

Comparability

Comparability expresses the confidence with which one data set can be compared to another. Comparability can be related to accuracy and precision because these quantities are measures of data reliability. Data are comparable if collection techniques, measurement procedures, method and reporting are equivalent for the samples within a sample set. To maximize comparability, all samples covered by this report were collected and analyzed in accordance with the QAPP.

As acceptable levels of overall accuracy and precision were attained, the reporting and analyses of the data within these data packages are considered comparable to one another.

Sensitivity

Reporting limits (RLs) are established by the analytical laboratory based on the method detection limits (MDLs) and project RL requirements. Some samples were analyzed at dilutions due to matrix interference, however no analytes were reported as non-detect at elevated reporting limits. Data qualification was not considered necessary.

The laboratories reported positive results between the MDL and the RL. Results reported between the MDL and RL were flagged with a J by the laboratory. These results were qualified as estimated during the data review (J SQL-I).

Section III – Individual Data Review Summaries

- **URSVB2**
- **URS5L3**
- **URS9V1**
- **URS211**
- **URSVB1**
- **1009237**

Five Points Phase I
Remedial Investigation
Data Review Summary

Sample Delivery Group: URSVB2
Sampling Date: April 6th, 7th, and 8th, 2010
Data Reviewer: Sam Percy Date Completed: March 2, 2011
Peer Reviewer: Sheri O'Connor Date Completed: March 2, 2011

The table below summarizes the data packages and sample identifications discussed in this data review.

Field Identification	Sample Type	Lab Identification	Matrix	Analyses
				VOCs
Trip Blank	TB	1009951001	Water	X
5P-MW103	SA	1009951002	Water	X
5P-MW103-Y	FD	1009951003	Water	X
5P-MW102	SA	1009951004	Water	X
5P-MW22004	SA	1009951005	Water	X^m
5P-MW12004	SA	1009951008	Water	X
5P-EB-040710	EB	1009951009	Water	X
5P-MW101	SA	1009951010	Water	X

Sample Type: SA = Sample TB = Trip Blank EB = Equipment Blank FD = Field Duplicate
X^m = Matrix spike and/or matrix spike duplicate.
Analyses: VOCs = Volitile Organic Compounds

This report contains the final results of the data validation conducted for water samples collected in April 2010 for the Five Points PCE Plume Site Remedial Investigation. The sample results were presented in one data package. The data review was conducted in accordance with the Quality Assurance Project Plan for the Five Points PCE Plume Site Remedial Investigation (URS, October2009) and evaluation of laboratory criteria, as applicable.

General Overall Assessment:

_____ Data are usable without qualification.
__X__ Data are usable with qualification (noted below).
_____ Some or all data are unusable for any purpose (detailed below).

Case Narrative Comments: Any case narrative comments concerning data qualification were address was noted in the table below.

Trace level detects, reported between the method detection limit (MDL) and the practical quantitation limit (PQL), have been qualified as estimated (J). All other exceptions are covered in the following table.

Review Parameter	Criteria Met?	Comments
Chain of Custody (COC) & Sample Receipt	No	The samples were received by ALS Laboratory Group in good condition and were consistent with the accompanying COC. The cooler temperatures upon receipt were 7°C, above the recommended ≤6°C temperature criterion. The samples were collected on the 6th, 7th, and 8th of April, kept on ice, and hand-delivered to the laboratory. As the cooler temperature did not have adequate time to reach the ≤6°C criterion, data qualification based upon preservation was not considered necessary.
Holding Times	Yes	All samples were analyzed within the method required holding time. Data qualification was not required.
Laboratory Blanks • Method Blank	Yes	Target analytes were not detected within the method blanks. Data qualification was not required.
Matrix Quality Control • Matrix Spike/ Matrix Spike Duplicate (MS/ MSD) *5P-MW22004 (VOCs)*	Yes	The MS and MSD percent recoveries and the relative percentage diference(RPD) between MS and MSD met the quality control criteria. Data qualfication was not required. A collective assessment of matrix spike and matrix spike duplicates is discussed in the overall assessment (Section I).
Laboratory Performance • Laboratory Control Sample/ Laboratory Control Sample Duplicate (LCS/ LCSD)	NA	LCS and LCSD percent recoveries were not reported in association with the samples in this data package because Method SOMO1.2 does not require LCS and LCSDs. Data qualification was not considered necessary.
Method Quality Control • Surrogates	No	With the exceptions listed in Table 1, surrogate recoveries for the groundwater samples collected for this event met the laboratory control limits.
Field Quality Control • Trip Blank (TB) *Trip Blank* • Field Duplicate (FD) *5P-MW103/5P-MW103-Y* • Equipment Blank (EB) *5P-EB-040710*	No	**Trip Blank** With the exception listed in Table 2, target analytes were not detected in the trip blank. **Field Duplicate** The comparison between results of the field duplicate pair met the acceptance criteria listed below: • When both the sample and duplicate values are >5xRL, acceptable sampling and analytical precision is indicated by an RPD between the results of 30%. • Where the result for one or both analytes of the field duplicate pair is <5xRL, satisfactory precision is indicated if the absolute difference between the field duplicate results is <2xRL. Data qualification was not required. A collective assessment of field duplicates is discussed in the overall assessment (Section I). **Equipment Blank** With the exception listed in Table 3, target analytes were not detected in the equipment blank. A collective assessment of equipment blanks is discussed in the overall assessment (Section I).

Review Parameter	Criteria Met?	Comments
Non-detect results with unaltered reporting limits (RLs)	Yes	No analyses were performed at dilutions and therefore no results were reported as non-detects at elevated reporting limits. Data qualification was not required.
Results Usable?	Yes	No results were qualified as unusable and the data are 100% complete.

VOCs – Volatile Organic Compounds J/UJ - estimated P- Preservation I – Indeterminate Bias

Table 1: Surrogate Recovery Outliers and Resultant Data Qualification

Sample	Surrogate	%Rs (Limits)	Qualification
5P-MW103	1,2-Dichloroethane-d4	73 (78-129)	As the potential bias was considered to be low, all VOCs results for sample 5P-MW103 were qualified as estimated. (J/UJ SUR-L).

%Rs – Percent Recoveries L – Low bias J/UJ – Estimated
VOCs – Volatile Organic Compounds SUR – Surrogate recover failure

Table 2: Trip Blank Outliers and Resultant Data Qualification

Analyte	Concentration (µg/L)	Qualification
Methylene Chloride	0.42	The associated sample methylene chloride results reported at concentrations <10x the concentration of blank contamination were qualified as non-detect at the concentration of the reported result or reporting limit, whichever was greater (U TB-I).

TB – Trip Blank U – Non-detect µg/L – Micrograms per Liter < - Less Than

Table 3: Equipment Blank Outliers and Resultant Data Qualification

Analyte	Concentration (µg/L)	Qualification
Chloroform	1.4	None. The associated sample chloroform results were reported as non-detect.

µg/L – Micrograms per Liter

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-EB-040710

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Point Mod. Ref No.: _____ SDG No.: URSVB2

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1009951009

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: PE771009

Level: (TRACE/LOW/MED) TRACE Date Received: 04/08/2010

% Moisture: not dec. _____ Date Analyzed: 04/12/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	2.2	u TB-I
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	1.4	
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/9/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-EB-040710

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Point Mod. Ref No.: _____ SDG No.: URSVB2

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1009951009

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: PE771009

Level: (TRACE/LOW/MED) TRACE Date Received: 04/08/2010

% Moisture: not dec. _____ Date Analyzed: 04/12/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

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3/9/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Point Mod. Ref No.: _____ SDG No.: URSVB2

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1009951010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: PE781010

Level: (TRACE/LOW/MED) TRACE Date Received: 04/08/2010

% Moisture: not dec. _____ Date Analyzed: 04/12/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	.5 ~~0.13~~	J u TB-I
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.14	J JSQL-J
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

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3/9/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Point Mod. Ref No.: _____ SDG No.: URSVB2

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1009951010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: PE781010

Level: (TRACE/LOW/MED) TRACE Date Received: 04/08/2010

% Moisture: not dec. _____ Date Analyzed: 04/12/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.15	J JSQL-I
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	7.0	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

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3/9/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW102

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Point Mod. Ref No.: _____ SDG No.: URSVB2

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1009951004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: PE731004

Level: (TRACE/LOW/MED) TRACE Date Received: 04/08/2010

% Moisture: not dec. _____ Date Analyzed: 04/12/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/9/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW102

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Point Mod. Ref No.: _____ SDG No.: URSVB2

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1009951004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: PE731004

Level: (TRACE/LOW/MED) TRACE Date Received: 04/08/2010

% Moisture: not dec. _____ Date Analyzed: 04/12/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.17	J JSQL-I
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.19	J JSQL-I
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/9/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW103

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Point Mod. Ref No.: _____ SDG No.: URSVB2

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1009951002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: PE721002

Level: (TRACE/LOW/MED) TRACE Date Received: 04/08/2010

% Moisture: not dec. _____ Date Analyzed: 04/12/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

UJSUR-I

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/9/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW103

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Point Mod. Ref No.: _____ SDG No.: URSVB2

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1009951002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: PE721002

Level: (TRACE/LOW/MED) TRACE Date Received: 04/08/2010

% Moisture: not dec. _____ Date Analyzed: 04/12/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U UJSUR-L
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	J SUR, SQL-I 0.12	J
100-42-5	Styrene	0.50	U UJSUR-L
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/9/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW103-Y

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Point Mod. Ref No.: _____ SDG No.: URSVB2

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1009951003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: PE731003

Level: (TRACE/LOW/MED) TRACE Date Received: 04/08/2010

% Moisture: not dec. _____ Date Analyzed: 04/12/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/9/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW103-Y

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Point Mod. Ref No.: _____ SDG No.: URSVB2

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1009951003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: PE731003

Level: (TRACE/LOW/MED) TRACE Date Received: 04/08/2010

% Moisture: not dec. _____ Date Analyzed: 04/12/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.11	J JSQL-I
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP 3/9/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW12004

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Point Mod. Ref No.: _____ SDG No.: URSVB2

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1009951008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: PE761008

Level: (TRACE/LOW/MED) TRACE Date Received: 04/08/2010

% Moisture: not dec. _____ Date Analyzed: 04/12/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	.5 ~~0.11~~	J u TB-I
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.30	J JSQL-I
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/9/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW12004

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Point Mod. Ref No.: _____ SDG No.: URSVB2

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1009951008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: PE761008

Level: (TRACE/LOW/MED) TRACE Date Received: 04/08/2010

% Moisture: not dec. _____ Date Analyzed: 04/12/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	2.6	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/9/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW22004

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Point Mod. Ref No.: _____ SDG No.: URSVB2

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1009951005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: PE741005

Level: (TRACE/LOW/MED) TRACE Date Received: 04/08/2010

% Moisture: not dec. _____ Date Analyzed: 04/12/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/9/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW22004

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Point Mod. Ref No.: _____ SDG No.: URSVB2

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1009951005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: PE741005

Level: (TRACE/LOW/MED) TRACE Date Received: 04/08/2010

% Moisture: not dec. _____ Date Analyzed: 04/12/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.31	J JSQL-I
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/9/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Trip Blank

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Point Mod. Ref No.: _____ SDG No.: URSVB2

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1009951001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: PE751001

Level: (TRACE/LOW/MED) TRACE Date Received: 04/08/2010

% Moisture: not dec. _____ Date Analyzed: 04/12/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.42	J JSQL-I
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/9/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Trip Blank

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Point Mod. Ref No.: _____ SDG No.: URSVB2

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1009951001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: PE751001

Level: (TRACE/LOW/MED) TRACE Date Received: 04/08/2010

% Moisture: not dec. _____ Date Analyzed: 04/12/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/9/11

Five Points Phase I
Remedial Investigation
Data Review Summary

Sample Delivery Group: URS5L3
Sampling Date: May 13th, 2010
Data Reviewer: Sam Percy — Date Completed: March 2, 2011
Peer Reviewer: Sheri O'Connor — Date Completed: March 2, 2011

The table below summarizes the data packages and sample identifications discussed in this data review.

Field Identification	Sample Type	Lab Identification	Matrix	Analyses
				VOCs
5P-MW101	SA	1013352001	Water	X

Sample Type: SA = Sample Analyses: VOC = Volitile Organic Compounds

This report contains the final results of the data validation conducted for water samples collected in May 2010 for the Five Points PCE Plume Site Remedial Investigation. The sample results were presented in one data package. The data review was conducted in accordance with the Quality Assurance Project Plan for the Five Points PCE Plume Site Remedial Investigation (URS, October2009) and evaluation of laboratory criteria, as applicable.

General Overall Assessment:

_____ Data are usable without qualification.
__X__ Data are usable with qualification (noted below).
_____ Some or all data are unusable for any purpose (detailed below).

Case Narrative Comments: Any case narrative comments concerning data qualification were address was noted in the table below.

Trace level detects, reported between the method detection limit (MDL) and the practical quantitation limit (PQL), have been qualified as estimated (J). All other exceptions are covered in the following table.

Review Parameter	Criteria Met?	Comments
Chain of Custody (COC) & Sample Receipt	No	The sample was received by ALS Laboratory Group in good condition and was consistent with the accompanying COC. The cooler temperature upon receipt was 13°C, above the recommended ≤6°C temperature criterion. The samples were collected on the 6th, 7th, and 8th of April, kept on ice, and hand-delivered to the laboratory. As the cooler temperature did not have adequate time to reach the ≤6°C criteria, data qualification based upon preservation was not considered necessary.
Holding Times	Yes	The sample was analyzed within the method required holding time. Data qualification was not required.

Review Parameter	Criteria Met?	Comments
Laboratory Blanks • Method Blank	No	With the exceptions listed in Table 1, target analytes were not detected within the method blanks.
Matrix Quality Control • Matrix Spike/ Matrix Spike Duplicate (MS/ MSD) *None*	NA	As a sample from this data package was not the selected quality control sample, matrix spike and matrix spike duplicate results are not included in this report. A collective assessment of matrix spike and matrix spike duplicates is discussed in the overall assessment (Section I).
Laboratory Performance • Laboratory Control Sample/ Laboratory Control Sample Duplicate (LCS/ LCSD)	NA	LCS and LCSD percent recoveries were not reported in association with the samples in this data package because method SOMO1.2 does not require LCS and LCSDs. Data qualification was not considered necessary.
Method Quality Control • Surrogates	Yes	Surrogate recoveries for the groundwater samples collected for this event met the laboratory control limits. Data qualification was not required.
Field Quality Control • Trip Blank (TB) *None* • Field Duplicate (FD) *None* • Equipment Blank (EB) *None*	NA	**Trip Blank** A trip blank was not reported in association with the sample in this data package. However, only one sample was reported in this data package and the sample was hand-delivered to the laboratory after collection. Therefore, this is not considered to affect the quality of the data. **Field Duplicate** A field duplicate was not collected in association with the sample in this data package. A collective assessment of field duplicates is discussed in the overall assessment (Section I). **Equipment Blank** An equipment blank was not reported in association with the sample in this data package. Data qualification was not considered necessary. A collective assessment of equipment blanks is discussed in the overall assessment (Section I).
Non-detect results with unaltered reporting limits (RLs)	Yes	No analyses were performed at dilutions and therefore no results were reported as non-detects at elevated reporting limits. Data qualification was not required.
Results Usable?	Yes	No results were qualified as unusable and the data are 100% complete.

VOCs – Volatile Organic Compounds J/UJ - estimated NA – Not applicable

Table 1: Method Blank Outliers and Resultant Data Qualification

Analyte	Concentration (µg/L)	Qualification
1,2,4-Trichlorobenzene	0.57	None. The associated sample 1,2,4-Trichlorobenzene result was reported as non-detect.
1,2,3-Trichlorobenzene	0.89	None. The associated sample 1,2,3-Trichlorobenzene result was reported as non-detect.

TB – Trip Blank U – Non-detect µg/L – Micrograms per Liter < - Less Than

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: URS5POI Mod. Ref No.: _____ SDG No.: URS5L3

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1013352001

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: PG772001

Level: (TRACE/LOW/MED) LOW Date Received: 05/13/2010

% Moisture: not dec. _____ Date Analyzed: 05/19/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10.	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/9/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: URS5P01 Mod. Ref No.: _____ SDG No.: URS5L3

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1013352001

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: PG772001

Level: (TRACE/LOW/MED) LOW Date Received: 05/13/2010

% Moisture: not dec. _____ Date Analyzed: 05/19/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-Pentanone	10.	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10.	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

SP
3/9/11

Five Points Phase II
Remedial Investigation
Data Review Summary

Sample Delivery Group: URS9V1
Sampling Date: September 20th, 2010
Data Reviewer: Sam Percy Date Completed: March 2, 2011
Peer Reviewer: Sheri O'Connor Date Completed: March 2, 2011

The table below summarizes the data packages and sample identifications discussed in this data review.

Field Identification	Sample Type	Lab Identification	Matrix	Analyses
				VOCs
Trip Blank	TB	1026417001	Water	X
5P-MW12004	SA	1026417002	Water	X
5P-MW12004LF	SA	1026417003	Water	X
5P-MW101-153[1]	SA	1026417004	Water	X
5P-MW101-153DL[1]	SA	1026417004DL	Water	X
5P-MW101-160[1]	SA	1026417005	Water	X
5P-MW101-160DL[1]	SA	1026417005DL	Water	X
5P-MW101-160-Y[1]	FD	1026417006	Water	X
5P-MW101-160-YDL[1]	FD	1026417006DL	Water	X
5P-MW101-170	SA	1026417007	Water	X^m
5P-MW101-180	SA	1026417008	Water	X
5P-MW101-LF	SA	1026417009	Water	X
5P-MW22004	SA	1026417010	Water	X
5P-MW103	SA	1026417011	Water	X
5P-MW102	SA	1026417012	Water	X

Sample Type: SA = Sample TB = Trip Blank FD = Field Duplicate
X^m = Matrix spike and/or matrix spike duplicate.
Analyses: VOC = Volitile Organic Compounds
[1]Undiluted and diluted sample results were reported for some samples. The highest detected result or result with the lowest reporting limit was selected for reporting.

This report contains the final results of the data validation conducted for water samples collected in September 2010 for the Five Points PCE Plume Site Remedial Investigation. The sample results were presented in one data package. The data review was conducted in accordance with the Quality Assurance Project Plan for the Five Points PCE Plume Site Remedial Investigation (URS, October2009) and evaluation of laboratory criteria, as applicable.

General Overall Assessment:

_____ Data are usable without qualification.
__X__ Data are usable with qualification (noted below).
_____ Some or all data are unusable for any purpose (detailed below).

Case Narrative Comments: Any case narrative comments concerning data qualification were address was noted in the table below.

Trace level detects, reported between the method detection limit (MDL) and the practical quantitation limit (PQL), have been qualified as estimated (J). All other exceptions are covered in the following table.

Review Parameter	Criteria Met?	Comments
Chain of Custody (COC) & Sample Receipt	Yes	The samples were received by ALS Laboratory Group in good condition and were consistent with the accompanying COC. The cooler temperatures upon receipt were 4°C, within the recommended ≤6°C temperature criterion. Data qualification was not required.
Holding Times	Yes	All samples were analyzed within the method required holding time. Data qualification was not required.
Laboratory Blanks • Method Blank	No	With the exceptions listed in Table 1, target analytes were not detected within the method blanks.
Matrix Quality Control • Matrix Spike/ Matrix Spike Duplicate (MS/ MSD) *5P-MW101-170 (VOCs)*	Yes	The MS and MSD percent recoveries and the relative percentage diference(RPD) between MS and MSD met the quality control criteria. Data qualfication was not required. A collective assessment of matrix spike and matrix spike duplicates is discussed in the overall assessment (Section I).
Laboratory Performance • Laboratory Control Sample/ Laboratory Control Sample Duplicate (LCS/ LCSD)	NA	LCS and LCSD percent recoveries were not reported in association with the samples in this data package because method SOMO1.2 does not require LCS and LCSDs. Data qualification was not considered necessary.
Method Quality Control • Surrogates	Yes	Surrogate recoveries for the groundwater samples collected for this event met the laboratory control limits. Data qualification was not required.

Review Parameter	Criteria Met?	Comments
Field Quality Control • Trip Blank (TB) *Trip Blank* • Field Duplicate (FD) *5P-MW101-160/5P-MW101-160-Y* *5P-MW101-160DL/5P-MW101-160-YDL* • Equipment Blank (EB) *None*	No	**Trip Blank** With the exception listed in Table 2, target analytes were not detected in the trip blank. **Field Duplicate** The comparison between results of the field duplicate pair met the acceptance criteria listed below: • When both the sample and duplicate values are >5xRL, acceptable sampling and analytical precision is indicated by an RPD between the results of 30%. • Where the result for one or both analytes of the field duplicate pair is <5xRL, satisfactory precision is indicated if the absolute difference between the field duplicate results is <2xRL. Data qualification was not required. A collective assessment of field duplicates is discussed in the overall assessment (Section I). **Equipment Blank** An equipment blank was not collected in association with the samples in this data package. Data qualification was not considered necessary. A collective assessment of equipment blanks is discussed in the overall assessment (Section I).
Non-detect results with unaltered reporting limits (RLs)	Yes	Some analyses were performed at dilutions, however no results with elevated reporting limits were reported as non-detect. Data qualification was not considered necessary.
Results Usable?	Yes	No results were qualified as unusable and the data are 100% complete.

VOCs – Volatile Organic Compounds J/UJ - estimated

Table 1: Method Blank Outliers and Resultant Data Qualification

Blank	Analyte	Concentration (µg/L)	Qualification
VBLKT1	Chloroform	0.24	The associated sample detected chloroform results reported at concentrations <5x the concentration of blank contamination were qualified as non-detect at the concentration of the reported result or reporting limit, whichever was greater (U MB-I).
VBLKT2	Chloroform	0.28	
VBLKT3	Chloroform	0.23	None. The associated sample chloroform result was reported as non-detect.

MB – Method Blank U – Non-detect µg/L – Micrograms per Liter
< - Less Than I- Indeterminate

Table 2: Trip Blank Outliers and Resultant Data Qualification

Analyte	Concentration (µg/L)	Qualification
Methylene Chloride	1.1	The associated sample detected methylene chloride results reported at concentrations <10x the concentration of blank contamination were qualified as non-detect at the concentration of the reported result or reporting limit, whichever was greater (U TB-I).

µg/L – Micrograms per Liter TB – Trip Blank
U – Non-detect < - Less Than I - Indeterminate

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-153

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM20C004

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/29/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q	
75-71-8	Dichlorodifluoromethane *	0.50	U	
74-87-3	Chloromethane	0.15	J	JSQL-I
75-01-4	Vinyl chloride	0.50	U	
74-83-9	Bromomethane	0.50	U	
75-00-3	Chloroethane	0.50	U	
75-69-4	Trichlorofluoromethane	0.50	U	
75-35-4	1,1-Dichloroethene	0.50	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	0.50	U	
79-20-9	Methyl acetate	0.50	U	
75-09-2	Methylene chloride	0.50	U	
156-60-5	trans-1,2-Dichloroethene	0.50	U	
1634-04-4	Methyl tert-butyl ether	0.50	U	
75-34-3	1,1-Dichloroethane	0.50	U	
156-59-2	cis-1,2-Dichloroethene	0.34	J	JSQL-I
78-93-3	2-Butanone	5.0	U	
74-97-5	Bromochloromethane	0.50	U	
67-66-3	Chloroform	.50 ~~0.40~~	JB	UMB-I
71-55-6	1,1,1-Trichloroethane	0.50	U	
110-82-7	Cyclohexane	0.50	U	
56-23-5	Carbon tetrachloride	0.50	U	
71-43-2	Benzene	0.41	J	JSQL-I
107-06-2	1,2-Dichloroethane	0.50	U	

Report 1,4-Dioxane for Low-Medium VOA analysis only

*: Selected for Reporting

SP
3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-153

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM20C004

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/29/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene *	0.61	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.18	J
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	37.	E
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

JSQL-I

*: Selected for Reporting

SP 3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-153DL

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417004DL

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM10C004

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane DNR	2.5	U
74-87-3	Chloromethane	2.5	U
75-01-4	Vinyl chloride	2.5	U
74-83-9	Bromomethane	2.5	U
75-00-3	Chloroethane	2.5	U
75-69-4	Trichlorofluoromethane	2.5	U
75-35-4	1,1-Dichloroethene	2.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.5	U
67-64-1	Acetone	25.	U
75-15-0	Carbon disulfide	2.5	U
79-20-9	Methyl acetate	2.5	U
75-09-2	Methylene chloride	2.5	U
156-60-5	trans-1,2-Dichloroethene	2.5	U
1634-04-4	Methyl tert-butyl ether	2.5	U
75-34-3	1,1-Dichloroethane	2.5	U
156-59-2	cis-1,2-Dichloroethene	2.5	U
78-93-3	2-Butanone	25.	U
74-97-5	Bromochloromethane	2.5	U
67-66-3	Chloroform	2.5	U
71-55-6	1,1,1-Trichloroethane	2.5	U
110-82-7	Cyclohexane	2.5	U
56-23-5	Carbon tetrachloride	2.5	U
71-43-2	Benzene	2.5	U
107-06-2	1,2-Dichloroethane	2.5	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

DNR: Do Not Report

SP 3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-153DL

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417004DL

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM10C004

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene DNR	0.55	JD
108-87-2	Methylcyclohexane	2.5	U
78-87-5	1,2-Dichloropropane	2.5	U
75-27-4	Bromodichloromethane	2.5	U
10061-01-5	cis-1,3-Dichloropropene	2.5	U
108-10-1	4-Methyl-2-Pentanone	25.	U
108-88-3	Toluene	2.5	U
10061-02-6	trans-1,3-Dichloropropene	2.5	U
79-00-5	1,1,2-Trichloroethane	2.5	U
127-18-4	Tetrachloroethene	32.	D
591-78-6	2-Hexanone	25.	U
124-48-1	Dibromochloromethane	2.5	U
106-93-4	1,2-Dibromoethane	2.5	U
108-90-7	Chlorobenzene	2.5	U
100-41-4	Ethylbenzene	2.5	U
95-47-6	o-Xylene	2.5	U
179601-23-1	m,p-Xylene	2.5	U
100-42-5	Styrene	2.5	U
75-25-2	Bromoform	2.5	U
98-82-8	Isopropylbenzene	2.5	U
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U
541-73-1	1,3-Dichlorobenzene	2.5	U
106-46-7	1,4-Dichlorobenzene	2.5	U
95-50-1	1,2-Dichlorobenzene	2.5	U
96-12-8	1,2-Dibromo-3-chloropropane	2.5	U
120-82-1	1,2,4-Trichlorobenzene	2.5	U
87-61-6	1,2,3-Trichlorobenzene	2.5	U

DNR: Do Not Report

SP 3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-160

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM21C005

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/29/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q	
75-71-8	Dichlorodifluoromethane *	0.50	U	
74-87-3	Chloromethane	0.50	U	
75-01-4	Vinyl chloride	0.50	U	
74-83-9	Bromomethane	0.50	U	
75-00-3	Chloroethane	0.50	U	
75-69-4	Trichlorofluoromethane	0.50	U	
75-35-4	1,1-Dichloroethene	0.50	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	0.50	U	
79-20-9	Methyl acetate	0.50	U	
75-09-2	Methylene chloride	0.50	U	
156-60-5	trans-1,2-Dichloroethene	0.50	U	
1634-04-4	Methyl tert-butyl ether	0.50	U	
75-34-3	1,1-Dichloroethane	0.50	U	
156-59-2	cis-1,2-Dichloroethene	0.34	J	JSQL-I
78-93-3	2-Butanone	5.0	U	
74-97-5	Bromochloromethane	0.50	U	
67-66-3	Chloroform	.50 ~~0.39~~	JB	UMB-I
71-55-6	1,1,1-Trichloroethane	0.50	U	
110-82-7	Cyclohexane	0.50	U	
56-23-5	Carbon tetrachloride	0.50	U	
71-43-2	Benzene	0.50	U	
107-06-2	1,2-Dichloroethane	0.50	U	

Report 1,4-Dioxane for Low-Medium VOA analysis only

*! Selected for Reporting

SP
3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-160

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM21C005

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/29/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene DNR	0.51	
108-87-2	Methylcyclohexane *	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.14	J JSQL-I
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	33.	E
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

DNR: Do Not Report

*: Selected for Reporting

SP 3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-160DL

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417005DL

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM11C005

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 4.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane DNR	2.0	U
74-87-3	Chloromethane	2.0	U
75-01-4	Vinyl chloride	2.0	U
74-83-9	Bromomethane	2.0	U
75-00-3	Chloroethane	2.0	U
75-69-4	Trichlorofluoromethane	2.0	U
75-35-4	1,1-Dichloroethene	2.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U
67-64-1	Acetone	20.	U
75-15-0	Carbon disulfide	2.0	U
79-20-9	Methyl acetate	2.0	U
75-09-2	Methylene chloride	2.0	U
156-60-5	trans-1,2-Dichloroethene	2.0	U
1634-04-4	Methyl tert-butyl ether	2.0	U
75-34-3	1,1-Dichloroethane	2.0	U
156-59-2	cis-1,2-Dichloroethene	2.0	U
78-93-3	2-Butanone	20.	U
74-97-5	Bromochloromethane	2.0	U
67-66-3	Chloroform	2.0 ~~0.88~~	JDB uMB-I
71-55-6	1,1,1-Trichloroethane	2.0	U
110-82-7	Cyclohexane	2.0	U
56-23-5	Carbon tetrachloride	2.0	U
71-43-2	Benzene	2.0	U
107-06-2	1,2-Dichloroethane	2.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

DNR: Do Not Report

SP 3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-160DL

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417005DL

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM11C005

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 4.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene *	0.54	JD
108-87-2	Methylcyclohexane DNR	2.0	U
78-87-5	1,2-Dichloropropane	2.0	U
75-27-4	Bromodichloromethane	2.0	U
10061-01-5	cis-1,3-Dichloropropene	2.0	U
108-10-1	4-Methyl-2-Pentanone	20.	U
108-88-3	Toluene	2.0	U
10061-02-6	trans-1,3-Dichloropropene	2.0	U
79-00-5	1,1,2-Trichloroethane	2.0	U
127-18-4	Tetrachloroethene	30.	D
591-78-6	2-Hexanone	20.	U
124-48-1	Dibromochloromethane	2.0	U
106-93-4	1,2-Dibromoethane	2.0	U
108-90-7	Chlorobenzene	2.0	U
100-41-4	Ethylbenzene	2.0	U
95-47-6	o-Xylene	2.0	U
179601-23-1	m,p-Xylene	2.0	U
100-42-5	Styrene	2.0	U
75-25-2	Bromoform	2.0	U
98-82-8	Isopropylbenzene	2.0	U
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U
541-73-1	1,3-Dichlorobenzene	2.0	U
106-46-7	1,4-Dichlorobenzene	2.0	U
95-50-1	1,2-Dichlorobenzene	2.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
120-82-1	1,2,4-Trichlorobenzene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U

JSQL-I

*: Selected for Reporting
DNR: Do Not Report

SP 3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-160-Y

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM22C006

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/29/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane *	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.35	J
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	.50 ~~0.37~~	JB uMB-I
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

*: Selected for Reporting

SP
3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-160-Y

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM22C006

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/29/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene DNR	0.51	
108-87-2	Methylcyclohexane *	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.15	J JSQL-I
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	32.	E
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

*: Selected for Reporting
DNR: Do Not Report

SP
3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-160-YDL

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417006DL

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM12C006

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 4.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane DNR	2.0	U
74-87-3	Chloromethane	2.0	U
75-01-4	Vinyl chloride	2.0	U
74-83-9	Bromomethane	2.0	U
75-00-3	Chloroethane	2.0	U
75-69-4	Trichlorofluoromethane	2.0	U
75-35-4	1,1-Dichloroethene	2.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U
67-64-1	Acetone	20.	U
75-15-0	Carbon disulfide	2.0	U
79-20-9	Methyl acetate	2.0	U
75-09-2	Methylene chloride	2.0	U
156-60-5	trans-1,2-Dichloroethene	2.0	U
1634-04-4	Methyl tert-butyl ether	2.0	U
75-34-3	1,1-Dichloroethane	2.0	U
156-59-2	cis-1,2-Dichloroethene	2.0	U
78-93-3	2-Butanone	20.	U
74-97-5	Bromochloromethane	2.0	U
67-66-3	Chloroform	2.0	U
71-55-6	1,1,1-Trichloroethane	2.0	U
110-82-7	Cyclohexane	2.0	U
56-23-5	Carbon tetrachloride	2.0	U
71-43-2	Benzene	2.0	U
107-06-2	1,2-Dichloroethane	2.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

DNR: Do Not Report

SP
3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-160-YDL

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417006DL

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM12C006

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 4.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene *	0.58	JD
108-87-2	Methylcyclohexane DNR	2.0	U
78-87-5	1,2-Dichloropropane	2.0	U
75-27-4	Bromodichloromethane	2.0	U
10061-01-5	cis-1,3-Dichloropropene	2.0	U
108-10-1	4-Methyl-2-Pentanone	20.	U
108-88-3	Toluene	2.0	U
10061-02-6	trans-1,3-Dichloropropene	2.0	U
79-00-5	1,1,2-Trichloroethane	2.0	U
127-18-4	Tetrachloroethene	32.	D
591-78-6	2-Hexanone	20.	U
124-48-1	Dibromochloromethane	2.0	U
106-93-4	1,2-Dibromoethane	2.0	U
108-90-7	Chlorobenzene	2.0	U
100-41-4	Ethylbenzene	2.0	U
95-47-6	o-Xylene	2.0	U
179601-23-1	m,p-Xylene	2.0	U
100-42-5	Styrene	2.0	U
75-25-2	Bromoform	2.0	U
98-82-8	Isopropylbenzene	2.0	U
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U
541-73-1	1,3-Dichlorobenzene	2.0	U
106-46-7	1,4-Dichlorobenzene	2.0	U
95-50-1	1,2-Dichlorobenzene	2.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
120-82-1	1,2,4-Trichlorobenzene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U

JSQL-I

*: Selected for Reporting

DNR: Do Not Report

SP 3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-170

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM13C007

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q	
75-71-8	Dichlorodifluoromethane	0.50	U	
74-87-3	Chloromethane	0.50	U	
75-01-4	Vinyl chloride	0.50	U	
74-83-9	Bromomethane	0.50	U	
75-00-3	Chloroethane	0.50	U	
75-69-4	Trichlorofluoromethane	0.50	U	
75-35-4	1,1-Dichloroethene	0.50	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	0.50	U	
79-20-9	Methyl acetate	0.50	U	
75-09-2	Methylene chloride	0.50	U	
156-60-5	trans-1,2-Dichloroethene	0.50	U	
1634-04-4	Methyl tert-butyl ether	0.50	U	
75-34-3	1,1-Dichloroethane	0.50	U	
156-59-2	cis-1,2-Dichloroethene	0.13	J	JSQL-I
78-93-3	2-Butanone	5.0	U	
74-97-5	Bromochloromethane	0.50	U	
67-66-3	Chloroform	.5 ~~0.38~~	JB	U MB-I
71-55-6	1,1,1-Trichloroethane	0.50	U	
110-82-7	Cyclohexane	0.50	U	
56-23-5	Carbon tetrachloride	0.50	U	
71-43-2	Benzene	0.29	J	JSQL-I
107-06-2	1,2-Dichloroethane	0.50	U	

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-170

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM13C007

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.21	J
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	14.	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

JSQL-I

SP
3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-180

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM03C008

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q	
75-71-8	Dichlorodifluoromethane	0.50	U	
74-87-3	Chloromethane	0.13	J	JSQL-I
75-01-4	Vinyl chloride	0.50	U	
74-83-9	Bromomethane	0.50	U	
75-00-3	Chloroethane	0.50	U	
75-69-4	Trichlorofluoromethane	0.50	U	
75-35-4	1,1-Dichloroethene	0.50	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	0.13	J	JSQL-I
79-20-9	Methyl acetate	0.50	U	
75-09-2	Methylene chloride	0.50	U	
156-60-5	trans-1,2-Dichloroethene	0.50	U	
1634-04-4	Methyl tert-butyl ether	0.50	U	
75-34-3	1,1-Dichloroethane	0.50	U	
156-59-2	cis-1,2-Dichloroethene	0.50	U	
78-93-3	2-Butanone	5.0	U	
74-97-5	Bromochloromethane	0.50	U	
67-66-3	Chloroform	0.50	U	
71-55-6	1,1,1-Trichloroethane	0.50	U	
110-82-7	Cyclohexane	0.50	U	
56-23-5	Carbon tetrachloride	0.50	U	
71-43-2	Benzene	0.50	U	
107-06-2	1,2-Dichloroethane	0.50	U	

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP 3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-180

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM03C008

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.15	J
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	7.1	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

JSQL-I

SP
3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-LF

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417009

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM06C009

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	.50 ~~0.14~~	J UTB-I
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-LF

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417009

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM06C009

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.16	J JSQL-I
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.89	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

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1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW102

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417012

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM09C012

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW102

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417012

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM09C012

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP 3/2/11

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

5P-MW102

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417012

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM09C012

Level: (TRACE or LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	104-76-7	1-Hexanol, 2-ethyl-	17.22	5.4	JN
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

JSQL-I

[1]EPA-designated Registry Number.

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1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW103

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417011

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM08C011

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	.50 ~~0.14~~	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

uTB-2

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW103

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417011

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM08C011

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.13	J JSQL-J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

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1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW12004

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM04C002

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	1.5	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	1.1	B
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

UMB-I

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP 3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW12004

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM04C002

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	9.3	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW12004LF

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM05C003

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP 3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW12004LF

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM05C003

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW22004

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM07C010

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW22004

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM07C010

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.73	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Trip Blank

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM28C001

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/29/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	1.1	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Trip Blank

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM28C001

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/29/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-170

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM13C007

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q	
75-71-8	Dichlorodifluoromethane	0.50	U	
74-87-3	Chloromethane	0.50	U	
75-01-4	Vinyl chloride	0.50	U	
74-83-9	Bromomethane	0.50	U	
75-00-3	Chloroethane	0.50	U	
75-69-4	Trichlorofluoromethane	0.50	U	
75-35-4	1,1-Dichloroethene	0.50	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	0.50	U	
79-20-9	Methyl acetate	0.50	U	
75-09-2	Methylene chloride	0.50	U	
156-60-5	trans-1,2-Dichloroethene	0.50	U	
1634-04-4	Methyl tert-butyl ether	0.50	U	
75-34-3	1,1-Dichloroethane	0.50	U	
156-59-2	cis-1,2-Dichloroethene	0.13	J	JSQL-I
78-93-3	2-Butanone	5.0	U	
74-97-5	Bromochloromethane	0.50	U	
67-66-3	Chloroform	.5 ~~0.30~~	JB	U MB-I
71-55-6	1,1,1-Trichloroethane	0.50	U	
110-82-7	Cyclohexane	0.50	U	
56-23-5	Carbon tetrachloride	0.50	U	
71-43-2	Benzene	0.29	J	JSQL-I
107-06-2	1,2-Dichloroethane	0.50	U	

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-170

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM13C007

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.21	J
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	14.	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

JSQL-I

SP
3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-180

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM03C008

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q	
75-71-8	Dichlorodifluoromethane	0.50	U	
74-87-3	Chloromethane	0.13	J	JSQL-I
75-01-4	Vinyl chloride	0.50	U	
74-83-9	Bromomethane	0.50	U	
75-00-3	Chloroethane	0.50	U	
75-69-4	Trichlorofluoromethane	0.50	U	
75-35-4	1,1-Dichloroethene	0.50	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	0.13	J	JSQL-I
79-20-9	Methyl acetate	0.50	U	
75-09-2	Methylene chloride	0.50	U	
156-60-5	trans-1,2-Dichloroethene	0.50	U	
1634-04-4	Methyl tert-butyl ether	0.50	U	
75-34-3	1,1-Dichloroethane	0.50	U	
156-59-2	cis-1,2-Dichloroethene	0.50	U	
78-93-3	2-Butanone	5.0	U	
74-97-5	Bromochloromethane	0.50	U	
67-66-3	Chloroform	0.50	U	
71-55-6	1,1,1-Trichloroethane	0.50	U	
110-82-7	Cyclohexane	0.50	U	
56-23-5	Carbon tetrachloride	0.50	U	
71-43-2	Benzene	0.50	U	
107-06-2	1,2-Dichloroethane	0.50	U	

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP 3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-180

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM03C008

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.15	J
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	7.1	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

JSQL-I

SP 3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-LF

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417009

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM06C009

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	.50 ~~0.14~~	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

UTB-I

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-LF

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417009

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM06C009

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.16	J JSQL-I
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.89	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP 3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW102

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417012

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM09C012

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW102

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417012

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM09C012

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP 3/2/11

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

5P-MW102

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417012

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM09C012

Level: (TRACE or LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	104-76-7	1-Hexanol, 2-ethyl-	17.22	5.4	JN
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

JSQL-I

[1]EPA-designated Registry Number.

SP 3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW103

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417011

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM08C011

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	.50 ~~0.14~~	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

uTB-2

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW103

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417011

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM08C011

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.13	J JSQL-J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP 3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW12004

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM04C002

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	1.5	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	1.1	B
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

u MB-I

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP 3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW12004

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM04C002

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	9.3	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW12004LF

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM05C003

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP 3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW12004LF

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM05C003

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW22004

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM07C010

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW22004

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM07C010

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.73	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Trip Blank

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM28C001

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/29/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	1.1	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Trip Blank

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM28C001

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/29/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-153

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM20C004

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/29/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q	
75-71-8	Dichlorodifluoromethane *	0.50	U	
74-87-3	Chloromethane	0.15	J	JSQL-I
75-01-4	Vinyl chloride	0.50	U	
74-83-9	Bromomethane	0.50	U	
75-00-3	Chloroethane	0.50	U	
75-69-4	Trichlorofluoromethane	0.50	U	
75-35-4	1,1-Dichloroethene	0.50	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	0.50	U	
79-20-9	Methyl acetate	0.50	U	
75-09-2	Methylene chloride	0.50	U	
156-60-5	trans-1,2-Dichloroethene	0.50	U	
1634-04-4	Methyl tert-butyl ether	0.50	U	
75-34-3	1,1-Dichloroethane	0.50	U	
156-59-2	cis-1,2-Dichloroethene	0.34	J	JSQL-I
78-93-3	2-Butanone	5.0	U	
74-97-5	Bromochloromethane	0.50	U	
67-66-3	Chloroform	.50 ~~0.40~~	JB	UMB-I
71-55-6	1,1,1-Trichloroethane	0.50	U	
110-82-7	Cyclohexane	0.50	U	
56-23-5	Carbon tetrachloride	0.50	U	
71-43-2	Benzene	0.41	J	JSQL-I
107-06-2	1,2-Dichloroethane	0.50	U	

Report 1,4-Dioxane for Low-Medium VOA analysis only

*: Selected for Reporting

SP
3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-153

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM20C004

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/29/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene *	0.61	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.18	J JSQL-I
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene DNR	~~37.~~	~~E~~
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

*: Selected for Reporting

DNR: Do Not Report

KA 5/20/13

SP 3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-153DL

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417004DL

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM10C004

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane DNR	2.5	U
74-87-3	Chloromethane	2.5	U
75-01-4	Vinyl chloride	2.5	U
74-83-9	Bromomethane	2.5	U
75-00-3	Chloroethane	2.5	U
75-69-4	Trichlorofluoromethane	2.5	U
75-35-4	1,1-Dichloroethene	2.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.5	U
67-64-1	Acetone	25.	U
75-15-0	Carbon disulfide	2.5	U
79-20-9	Methyl acetate	2.5	U
75-09-2	Methylene chloride	2.5	U
156-60-5	trans-1,2-Dichloroethene	2.5	U
1634-04-4	Methyl tert-butyl ether	2.5	U
75-34-3	1,1-Dichloroethane	2.5	U
156-59-2	cis-1,2-Dichloroethene	2.5	U
78-93-3	2-Butanone	25.	U
74-97-5	Bromochloromethane	2.5	U
67-66-3	Chloroform	2.5	U
71-55-6	1,1,1-Trichloroethane	2.5	U
110-82-7	Cyclohexane	2.5	U
56-23-5	Carbon tetrachloride	2.5	U
71-43-2	Benzene	2.5	U
107-06-2	1,2-Dichloroethane	2.5	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

DNR: Do Not Report

SP 3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-153DL

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417004DL

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM10C004

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene DNR	0.55	JD
108-87-2	Methylcyclohexane	2.5	U
78-87-5	1,2-Dichloropropane	2.5	U
75-27-4	Bromodichloromethane	2.5	U
10061-01-5	cis-1,3-Dichloropropene	2.5	U
108-10-1	4-Methyl-2-Pentanone	25.	U
108-88-3	Toluene	2.5	U
10061-02-6	trans-1,3-Dichloropropene	2.5	U
79-00-5	1,1,2-Trichloroethane	2.5	U
127-18-4	Tetrachloroethene *	32.	D
591-78-6	2-Hexanone	25.	U
124-48-1	Dibromochloromethane	2.5	U
106-93-4	1,2-Dibromoethane	2.5	U
108-90-7	Chlorobenzene	2.5	U
100-41-4	Ethylbenzene	2.5	U
95-47-6	o-Xylene	2.5	U
179601-23-1	m,p-Xylene	2.5	U
100-42-5	Styrene	2.5	U
75-25-2	Bromoform	2.5	U
98-82-8	Isopropylbenzene	2.5	U
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U
541-73-1	1,3-Dichlorobenzene	2.5	U
106-46-7	1,4-Dichlorobenzene	2.5	U
95-50-1	1,2-Dichlorobenzene	2.5	U
96-12-8	1,2-Dibromo-3-chloropropane	2.5	U
120-82-1	1,2,4-Trichlorobenzene	2.5	U
87-61-6	1,2,3-Trichlorobenzene	2.5	U

DNR: Do Not Report

* : SELECTED FOR REPORTING

SP 3/2/11

KA 5/20/13

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-160

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM21C005

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/29/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q	
75-71-8	Dichlorodifluoromethane *	0.50	U	
74-87-3	Chloromethane	0.50	U	
75-01-4	Vinyl chloride	0.50	U	
74-83-9	Bromomethane	0.50	U	
75-00-3	Chloroethane	0.50	U	
75-69-4	Trichlorofluoromethane	0.50	U	
75-35-4	1,1-Dichloroethene	0.50	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	0.50	U	
79-20-9	Methyl acetate	0.50	U	
75-09-2	Methylene chloride	0.50	U	
156-60-5	trans-1,2-Dichloroethene	0.50	U	
1634-04-4	Methyl tert-butyl ether	0.50	U	
75-34-3	1,1-Dichloroethane	0.50	U	
156-59-2	cis-1,2-Dichloroethene	0.34	J	JSQL-I
78-93-3	2-Butanone	5.0	U	
74-97-5	Bromochloromethane	0.50	U	
67-66-3	Chloroform	.50 ~~0.39~~	JB	UMB-I
71-55-6	1,1,1-Trichloroethane	0.50	U	
110-82-7	Cyclohexane	0.50	U	
56-23-5	Carbon tetrachloride	0.50	U	
71-43-2	Benzene	0.50	U	
107-06-2	1,2-Dichloroethane	0.50	U	

Report 1,4-Dioxane for Low-Medium VOA analysis only

*: Selected for Reporting

SP
3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-160

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM21C005

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/29/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene DNR	0.51	
108-87-2	Methylcyclohexane *	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.14	J JSQL-I
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene DNR	~~33.~~	~~E~~
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

DNR: Do Not Report

*: Selected for Reporting

KA 5/20/13

SP 3/2/11

SOM01.2 (6/2007)

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1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-160DL

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417005DL

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM11C005

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 4.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane DNR	2.0	U
74-87-3	Chloromethane	2.0	U
75-01-4	Vinyl chloride	2.0	U
74-83-9	Bromomethane	2.0	U
75-00-3	Chloroethane	2.0	U
75-69-4	Trichlorofluoromethane	2.0	U
75-35-4	1,1-Dichloroethene	2.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U
67-64-1	Acetone	20.	U
75-15-0	Carbon disulfide	2.0	U
79-20-9	Methyl acetate	2.0	U
75-09-2	Methylene chloride	2.0	U
156-60-5	trans-1,2-Dichloroethene	2.0	U
1634-04-4	Methyl tert-butyl ether	2.0	U
75-34-3	1,1-Dichloroethane	2.0	U
156-59-2	cis-1,2-Dichloroethene	2.0	U
78-93-3	2-Butanone	20.	U
74-97-5	Bromochloromethane	2.0	U
67-66-3	Chloroform	2.0 ~~0.88~~	JDB uMB-I
71-55-6	1,1,1-Trichloroethane	2.0	U
110-82-7	Cyclohexane	2.0	U
56-23-5	Carbon tetrachloride	2.0	U
71-43-2	Benzene	2.0	U
107-06-2	1,2-Dichloroethane	2.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

DNR: Do Not Report

SP 3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-160DL

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417005DL

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM11C005

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 4.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene *	0.54	JD
108-87-2	Methylcyclohexane DNR	2.0	U
78-87-5	1,2-Dichloropropane	2.0	U
75-27-4	Bromodichloromethane	2.0	U
10061-01-5	cis-1,3-Dichloropropene	2.0	U
108-10-1	4-Methyl-2-Pentanone	20.	U
108-88-3	Toluene	2.0	U
10061-02-6	trans-1,3-Dichloropropene	2.0	U
79-00-5	1,1,2-Trichloroethane	2.0	U
127-18-4	Tetrachloroethene *	30.	D
591-78-6	2-Hexanone	20.	U
124-48-1	Dibromochloromethane	2.0	U
106-93-4	1,2-Dibromoethane	2.0	U
108-90-7	Chlorobenzene	2.0	U
100-41-4	Ethylbenzene	2.0	U
95-47-6	o-Xylene	2.0	U
179601-23-1	m,p-Xylene	2.0	U
100-42-5	Styrene	2.0	U
75-25-2	Bromoform	2.0	U
98-82-8	Isopropylbenzene	2.0	U
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U
541-73-1	1,3-Dichlorobenzene	2.0	U
106-46-7	1,4-Dichlorobenzene	2.0	U
95-50-1	1,2-Dichlorobenzene	2.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
120-82-1	1,2,4-Trichlorobenzene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U

JSQL-I

*: Selected for Reporting
DNR: Do Not Report

VA 5/20/13

SP 3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-160-Y

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM22C006

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/29/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane *	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.35	J
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	.50 ~~0.37~~	JB uMB-I
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

*: Selected for Reporting

SP
3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-160-Y

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM22C006

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. Date Analyzed: 09/29/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene DNR	0.51	
108-87-2	Methylcyclohexane *	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.15	J JSQL-I
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene DNR	32.	E
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

*: Selected for Reporting
DNR: Do Not Report

KA 5/20/13

SP
3/2/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-160-YDL

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417006DL

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM12C006

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 4.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane DNR	2.0	U
74-87-3	Chloromethane	2.0	U
75-01-4	Vinyl chloride	2.0	U
74-83-9	Bromomethane	2.0	U
75-00-3	Chloroethane	2.0	U
75-69-4	Trichlorofluoromethane	2.0	U
75-35-4	1,1-Dichloroethene	2.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U
67-64-1	Acetone	20.	U
75-15-0	Carbon disulfide	2.0	U
79-20-9	Methyl acetate	2.0	U
75-09-2	Methylene chloride	2.0	U
156-60-5	trans-1,2-Dichloroethene	2.0	U
1634-04-4	Methyl tert-butyl ether	2.0	U
75-34-3	1,1-Dichloroethane	2.0	U
156-59-2	cis-1,2-Dichloroethene	2.0	U
78-93-3	2-Butanone	20.	U
74-97-5	Bromochloromethane	2.0	U
67-66-3	Chloroform	2.0	U
71-55-6	1,1,1-Trichloroethane	2.0	U
110-82-7	Cyclohexane	2.0	U
56-23-5	Carbon tetrachloride	2.0	U
71-43-2	Benzene	2.0	U
107-06-2	1,2-Dichloroethane	2.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

DNR: Do Not Report

SP
3/2/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW101-160-YDL

Lab Name: ALS Laboratory Group Contract: 24585937.30000

Lab Code: DATAC Case No.: 5POINTS Mod. Ref No.: _____ SDG No.: URS9V1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1026417006DL

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MM12C006

Level: (TRACE/LOW/MED) TRACE Date Received: 09/20/2010

% Moisture: not dec. _____ Date Analyzed: 09/28/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 4.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene *	0.58	JD
108-87-2	Methylcyclohexane DNR	2.0	U
78-87-5	1,2-Dichloropropane	2.0	U
75-27-4	Bromodichloromethane	2.0	U
10061-01-5	cis-1,3-Dichloropropene	2.0	U
108-10-1	4-Methyl-2-Pentanone	20.	U
108-88-3	Toluene	2.0	U
10061-02-6	trans-1,3-Dichloropropene	2.0	U
79-00-5	1,1,2-Trichloroethane	2.0	U
127-18-4	Tetrachloroethene *	32.	D
591-78-6	2-Hexanone	20.	U
124-48-1	Dibromochloromethane	2.0	U
106-93-4	1,2-Dibromoethane	2.0	U
108-90-7	Chlorobenzene	2.0	U
100-41-4	Ethylbenzene	2.0	U
95-47-6	o-Xylene	2.0	U
179601-23-1	m,p-Xylene	2.0	U
100-42-5	Styrene	2.0	U
75-25-2	Bromoform	2.0	U
98-82-8	Isopropylbenzene	2.0	U
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U
541-73-1	1,3-Dichlorobenzene	2.0	U
106-46-7	1,4-Dichlorobenzene	2.0	U
95-50-1	1,2-Dichlorobenzene	2.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
120-82-1	1,2,4-Trichlorobenzene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U

JSQL-I

*: Selected for Reporting

DNR: Do Not Report

KA 5/20/13

SP 3/2/11

Five Points Phase III
Remedial Investigation
Data Review Summary

Sample Delivery Group: URS211
Sampling Date: January 27th, 2011
Data Reviewer: Sam Percy Date Completed: March 3, 2011
Peer Reviewer: Sheri O'Connor Date Completed: March 3, 2011

The table below summarizes the data packages and sample identifications discussed in this data review.

Field Identification	Sample Type	Lab Identification	Matrix	Analyses
				VOCs
5P-MW-101-158[1]	SA	1102852001	Water	X^m
5P-MW-101-158DL[1]	SA	1102852001DL	Water	X
5P-MW-101-116	SA	1102852004	Water	X
5P-MW105-146	SA	1102852005	Water	X
5P-MW2-2004-111	SA	1102852006	Water	X
5P-MW1-2004-112	SA	1102852007	Water	X
5P-MW104-120	SA	1102852008	Water	X
5P-MW106-66	SA	1102852009	Water	X
5P-MW107-66	SA	1102852010	Water	X
Trip Blank	TB	1102852011	Water	X

Sample Type: SA = Sample TB = Trip Blank FD = Field Duplicate
X^m = Matrix spike and/or matrix spike duplicate.
Analyses: VOC = Volitile Organic Compounds
[1]Undiluted and diluted sample results were reported for some samples. The highest detected result or result with the lowest reporting limit was selected for reporting.

This report contains the final results of the data validation conducted for water samples collected in January 2011 for the Five Points PCE Plume Site Remedial Investigation. The sample results were presented in one data package. The data review was conducted in accordance with the Quality Assurance Project Plan for the Five Points PCE Plume Site Remedial Investigation (URS, October2009) and evaluation of laboratory criteria, as applicable.

General Overall Assessment:

_____ Data are usable without qualification.
__X__ Data are usable with qualification (noted below).
_____ Some or all data are unusable for any purpose (detailed below).

Case Narrative Comments: Any case narrative comments concerning data qualification were address was noted in the table below.

Trace level detects, reported between the method detection limit (MDL) and the practical quantitation limit (PQL), have been qualified as estimated (J). All other exceptions are covered in the following table.

Review Parameter	Criteria Met?	Comments
Chain of Custody (COC) & Sample Receipt	Yes	The samples were received by ALS Laboratory Group in good condition and were consistent with the accompanying COC. The cooler temperature upon receipt was 6°C, within the recommended ≤6°C temperature criterion. Data qualification was not required.
Holding Times	Yes	All samples were analyzed within the method required holding time. Data qualification was not required.
Laboratory Blanks • Method Blank	Yes	Target analytes were not reported as detected within the method blanks. Data qualification was not required.
Matrix Quality Control • Matrix Spike/ Matrix Spike Duplicate (MS/ MSD) *5P-MW-101-158 (VOCs)*	Yes	The MS and MSD percent recoveries and the relative percentage diference(RPD) between MS and MSD met the quality control criteria. Data qualfication was not required. A collective assessment of matrix and matrix spike duplicates is discussed in the overall assessment (Section I).
Laboratory Performance • Laboratory Control Sample/ Laboratory Control Sample Duplicate (LCS/ LCSD)	NA	LCS and LCSD percent recoveries were not reported in association with the samples in this data package because method SOMO1.2 does not require LCS and LCSDs. Data qualification was not considered necessary.
Method Quality Control • Surrogates	Yes	Surrogate recoveries for the groundwater samples collected for this event met the laboratory control limits. Data qualification was not required.
Field Quality Control • Trip Blank (TB) *Trip Blank* • Field Duplicate (FD) *None* • Equipment Blank (EB) *None*	No	**Trip Blank** With the exception listed in Table 1, target analytes were not detected in the trip blank. **Field Duplicate** A field duplicate was not collected in association with the samples in this data package. A collective assessment of field duplicates is discussed in the overall assessment (Section I). **Equipment Blank** An equipment blank was not collected in association with the samples in this data package. Data qualification was not considered necessary. A collective assessment of equipment blanks is discussed in the overall assessment (Section I).
Non-detect results with unaltered reporting limits (RLs)	Yes	Some analyses were performed at dilutions, however no results with elevated reporting limits were reported as non-detect. Data qualification was not considered necessary.
Results Usable?	Yes	No results were qualified as unusable and the data are 100% complete.

VOCs – Volatile Organic Compounds J/UJ – estimated

Table 1: Trip Blank Outliers and Resultant Data Qualification

Analyte	Concentration (µg/L)	Qualification
Methylene Chloride	1.1	The associated sample detected methylene chloride results reported at concentrations <10x the concentration of blank contamination were qualified as non-detect at the concentration of the reported result or reporting limit, whichever was greater (U TB-I).
Tetrachloroethene	0.12	The associated sample detected tetrachloroethene results reported at concentrations <5x the concentration of blank contamination were qualified as non-detect at the reporting limit (U TB-I).

µg/L – Micrograms per Liter
< – Less Than
TB – Trip Blank
I – Indeterminate Bias
U – Non-detect

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW-101-158

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY14C001

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/01/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane *	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	.82 ~~0.82~~	UTB-I
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.44	J JSQL-I
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

*: Selected for Reporting

SP
3/3/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW-101-158

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY14C001

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/01/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene DNR	0.57	
108-87-2	Methylcyclohexane *	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	31.	E
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

*: Selected for Reporting

DNR: Do Not Report

SP
3/3/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW-101-158DL

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852001DL

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY54D001

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/03/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 4.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane DNR	2.0	U
74-87-3	Chloromethane	2.0	U
75-01-4	Vinyl chloride	2.0	U
74-83-9	Bromomethane	2.0	U
75-00-3	Chloroethane	2.0	U
75-69-4	Trichlorofluoromethane	2.0	U
75-35-4	1,1-Dichloroethene	2.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U
67-64-1	Acetone	20.	U
75-15-0	Carbon disulfide	2.0	U
79-20-9	Methyl acetate	2.0	U
75-09-2	Methylene chloride	0.96	JD UTB-I
156-60-5	trans-1,2-Dichloroethene	2.0	U
1634-04-4	Methyl tert-butyl ether	2.0	U
75-34-3	1,1-Dichloroethane	2.0	U
156-59-2	cis-1,2-Dichloroethene	2.0	U
78-93-3	2-Butanone	20.	U
74-97-5	Bromochloromethane	2.0	U
67-66-3	Chloroform	2.0	U
71-55-6	1,1,1-Trichloroethane	2.0	U
110-82-7	Cyclohexane	2.0	U
56-23-5	Carbon tetrachloride	2.0	U
71-43-2	Benzene	2.0	U
107-06-2	1,2-Dichloroethane	2.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

DNR: Do Not Report

SP
3/3/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW-101-158DL

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852001DL

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY54D001

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/03/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 4.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene *	0.61	JD J SQL-I
108-87-2	Methylcyclohexane DNR	2.0	U
78-87-5	1,2-Dichloropropane	2.0	U
75-27-4	Bromodichloromethane	2.0	U
10061-01-5	cis-1,3-Dichloropropene	2.0	U
108-10-1	4-Methyl-2-Pentanone	20.	U
108-88-3	Toluene	2.0	U
10061-02-6	trans-1,3-Dichloropropene	2.0	U
79-00-5	1,1,2-Trichloroethane	2.0	U
127-18-4	Tetrachloroethene	30.	D
591-78-6	2-Hexanone	20.	U
124-48-1	Dibromochloromethane	2.0	U
106-93-4	1,2-Dibromoethane	2.0	U
108-90-7	Chlorobenzene	2.0	U
100-41-4	Ethylbenzene	2.0	U
95-47-6	o-Xylene	2.0	U
179601-23-1	m,p-Xylene	2.0	U
100-42-5	Styrene	2.0	U
75-25-2	Bromoform	2.0	U
98-82-8	Isopropylbenzene	2.0	U
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U
541-73-1	1,3-Dichlorobenzene	2.0	U
106-46-7	1,4-Dichlorobenzene	2.0	U
95-50-1	1,2-Dichlorobenzene	2.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
120-82-1	1,2,4-Trichlorobenzene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U

*: Selected for Reporting
DNR: Do Not Report

SP
3/3/11

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW103-116

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY22C004

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	.5 ~~0.37~~	J u TB-I
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/3/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW103-116

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY22C004

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	.50 ~~0.18~~	J UTB-I
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/3/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW104-120

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY26C008

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	.81 ~~0.81~~	U TB-I
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.72	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.63	
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/3/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW104-120

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY26C008

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.15	J JSQL-I
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	19.	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP 3/3/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW105-146

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY23C005

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	12.	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	.50 ~~0.32~~	J UTB-I
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP 3/3/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW105-146

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY23C005

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.90	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP 3/3/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW106-66

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852009

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY27C009

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.19	J J SQL-I
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.52	UTB-I
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/3/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW106-66

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852009

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY27C009

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.18	J JSQL-B
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/3/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW107-66

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY28C010

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	.50 ~~0.44~~	J uTB-I
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/3/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW107-66

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY28C010

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.22	J JSQL-I
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/3/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW1-2004-112

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY25C007

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	.50 ~~0.40~~	J uTB-I
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/3/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW1-2004-112

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY25C007

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	3.6	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/3/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW2-2004-111

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY24C006

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	.50 ~~0.30~~	J UTB-E
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/3/11

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW2-2004-111

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY24C006

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	.50 ~~0.32~~	J UTB-I
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/3/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Trip Blank

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852011

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY17C011

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/01/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	1.1	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/3/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Trip Blank

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852011

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY17C011

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/01/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.12	J J SQL-I
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/3/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW-101-158

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY14C001

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/01/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane *	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	.82 ~~0.82~~	UTB-I
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.44	J JSQL-I
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

*: Selected for Reporting

SP
3/3/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW-101-158

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY14C001

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/01/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene DNR	0.57	
108-87-2	Methylcyclohexane *	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene DNR	31.	E
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

*: Selected for Reporting

DNR: Do Not Report

SP
3/3/11
KA 5/20/13

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW-101-158DL

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852001DL

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY54D001

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. Date Analyzed: 02/03/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 4.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane DNR	2.0	U
74-87-3	Chloromethane	2.0	U
75-01-4	Vinyl chloride	2.0	U
74-83-9	Bromomethane	2.0	U
75-00-3	Chloroethane	2.0	U
75-69-4	Trichlorofluoromethane	2.0	U
75-35-4	1,1-Dichloroethene	2.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U
67-64-1	Acetone	20.	U
75-15-0	Carbon disulfide	2.0	U
79-20-9	Methyl acetate	2.0	U
75-09-2	Methylene chloride	0.96	JD UTB-I
156-60-5	trans-1,2-Dichloroethene	2.0	U
1634-04-4	Methyl tert-butyl ether	2.0	U
75-34-3	1,1-Dichloroethane	2.0	U
156-59-2	cis-1,2-Dichloroethene	2.0	U
78-93-3	2-Butanone	20.	U
74-97-5	Bromochloromethane	2.0	U
67-66-3	Chloroform	2.0	U
71-55-6	1,1,1-Trichloroethane	2.0	U
110-82-7	Cyclohexane	2.0	U
56-23-5	Carbon tetrachloride	2.0	U
71-43-2	Benzene	2.0	U
107-06-2	1,2-Dichloroethane	2.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

DNR: Do Not Report

SP
3/3/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW-101-158DL

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852001DL

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY54D001

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/03/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 4.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene *	0.61	JD J SQL-I
108-87-2	Methylcyclohexane DNR	2.0	U
78-87-5	1,2-Dichloropropane	2.0	U
75-27-4	Bromodichloromethane	2.0	U
10061-01-5	cis-1,3-Dichloropropene	2.0	U
108-10-1	4-Methyl-2-Pentanone	20.	U
108-88-3	Toluene	2.0	U
10061-02-6	trans-1,3-Dichloropropene	2.0	U
79-00-5	1,1,2-Trichloroethane	2.0	U
127-18-4	Tetrachloroethene *	30.	D
591-78-6	2-Hexanone	20.	U
124-48-1	Dibromochloromethane	2.0	U
106-93-4	1,2-Dibromoethane	2.0	U
108-90-7	Chlorobenzene	2.0	U
100-41-4	Ethylbenzene	2.0	U
95-47-6	o-Xylene	2.0	U
179601-23-1	m,p-Xylene	2.0	U
100-42-5	Styrene	2.0	U
75-25-2	Bromoform	2.0	U
98-82-8	Isopropylbenzene	2.0	U
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U
541-73-1	1,3-Dichlorobenzene	2.0	U
106-46-7	1,4-Dichlorobenzene	2.0	U
95-50-1	1,2-Dichlorobenzene	2.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
120-82-1	1,2,4-Trichlorobenzene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U

*: Selected for Reporting
DNR: Do Not Report

SP
3/3/11
KA 5/20/13

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW103-116

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY22C004

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	.5 ~~0.37~~	J u TB-I
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/3/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW103-116

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY22C004

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	.50 ~~0.18~~	J UTB-I
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/3/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW104-120

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY26C008

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	.81 ~~0.81~~	u TB-I
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.72	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.63	
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/3/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW104-120

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY26C008

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.15	J JSQL-I
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	19.	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP 3/3/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW105-146

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY23C005

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	12.	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	.50 ~~0.32~~	J U-B-I
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP 3/3/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW105-146

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY23C005

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.90	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP 3/3/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW106-66

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852009

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY27C009

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.19	J J SQL-I
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.52	U TB-I
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

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3/3/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW106-66

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852009

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY27C009

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.18	J JSQLF
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/3/11

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW107-66

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY28C010

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	.50 ~~0.44~~	J uTB-I
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

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3/3/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW107-66

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY28C010

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.22	J JSQL-I
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/3/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW1-2004-112

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY25C007

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	.50 ~~0.40~~	J uTB-I
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

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3/3/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW1-2004-112

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY25C007

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	3.6	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/3/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW2-2004-111

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY24C006

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	.50 ~~0.30~~	J UTB-E
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

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3/3/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-MW2-2004-111

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY24C006

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/02/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	.50 ~~0.32~~	J UTB-I
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SP
3/3/11

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Trip Blank

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852011

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY17C011

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/01/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	1.1	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/3/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Trip Blank

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5Points Mod. Ref No.: _____ SDG No.: URS211

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1102852011

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MY17C011

Level: (TRACE/LOW/MED) TRACE Date Received: 01/27/2011

% Moisture: not dec. _____ Date Analyzed: 02/01/2011

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.12	J J SQL-I
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

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ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

ANALYTICAL REPORT

Client: URS Corporation
Project Manager: Roxanne Olson

Analytical Results

Workorder: **1009237**

Sample ID: **5pts-YVC-under-Mid-pipe**	Matrix: Soil/Solid/Sediment	Collected: 4/1/2010
Lab ID: 1009237001	Media: 4 oz Glass Jar Wide Mouth	Received: 4/1/2010
Sampling Site: Five Points PCE	Sampling Parameter: NA	

Analysis Method - SW 8260

Preparation: Not Applicable	**Analysis:** SW 8260C, Soil **Batch:** EVO/2540 (HBN: 44838) **Analyzed:** 4/6/2010 3:33:00 PM	**Instr ID:** 5973-Z **Percent Solids:** 84.3 **Report Basis:** Dry

Analyte	ug/Kg	MDL	RL	Dilution	Qual.
Dichlorodifluoromethane	ND	0.25	5.9	1	U UJ P-I
Chloromethane	ND	0.30	5.9	1	U
Vinyl chloride	ND	0.35	5.9	1	U
Bromomethane	ND	0.58	5.9	1	U
Chloroethane	ND	0.49	5.9	1	U
Dichlorofluoromethane	ND	0.57	5.9	1	U
Trichlorofluoromethane	ND	0.39	5.9	1	U
Ethyl ether	ND	0.29	5.9	1	U
1,1-Dichloroethene	ND	0.28	5.9	1	U
Freon 113	ND	0.75	5.9	1	U
Acetone	3.6	3.1	5.9	1	J J P, SQL, ~~MS/MSD~~ -I
Iodomethane	ND	0.37	5.9	1	U UJ P-I
Carbon disulfide	ND	0.35	5.9	1	U
Methyl Acetate	ND	0.44	5.9	1	U
Allyl chloride	ND	0.20	5.9	1	U
Methylene chloride	5.9 ~~1.8~~	~~0.60~~ 1.8	5.9	1	J ~~UJ~~ B, P-I
trans-1,2-Dichloroethene	ND	0.23	5.9	1	U UJ P-I
Methyl-t-butyl ether	ND	0.18	5.9	1	U
cis-1,2-Dichloroethene	ND	0.21	5.9	1	U
1,1-Dichloroethane	ND	0.24	5.9	1	U
2,2-Dichloropropane	ND	0.25	5.9	1	U
2-Butanone	ND	2.1	5.9	1	U
Ethyl acetate	ND	2.4	5.9	1	U
Bromochloromethane	ND	0.21	5.9	1	U
Tetrahydrofuran	ND	3.8	5.9	1	U
Chloroform	ND	0.34	5.9	1	U
1,1,1-Trichloroethane	ND	0.27	5.9	1	U
Cyclohexane	ND	0.50	5.9	1	U
1,1-Dichloropropene	ND	0.27	5.9	1	U
1,2-Dichloroethane	ND	0.29	5.9	1	U
Carbon tetrachloride	ND	0.47	5.9	1	U
Benzene	ND	0.23	5.9	1	U
Trichloroethene	0.48	0.19	5.9	1	J J P, SQL-I
Methylcyclohexane	ND	0.25	5.9	1	U UJ P-I

Results Continued on Next Page

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ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

ANALYTICAL REPORT

Client: URS Corporation
Project Manager: Roxanne Olson

Analytical Results

Workorder: **1009237**

Sample ID: **5pts-YVC-under-Mid-pipe**
Lab ID: 1009237001
Sampling Site: Five Points PCE

Matrix: Soil/Solid/Sediment
Media: 4 oz Glass Jar Wide Mouth
Sampling Parameter: NA

Collected: 4/1/2010
Received: 4/1/2010

Analysis Method - SW 8260

Preparation: Not Applicable

Analysis: SW 8260C, Soil
Batch: EVO/2540 (HBN: 44838)
Analyzed: 4/6/2010 3:33:00 PM

Instr ID: 5973-Z
Percent Solids: 84.3
Report Basis: Dry

Analyte	ug/Kg	MDL	RL	Dilution	Qual.
1,2-Dichloropropane	ND	0.25	5.9	1	U UJ P-I
Dibromomethane	ND	0.18	5.9	1	U
Bromodichloromethane	ND	0.26	5.9	1	U
cis-1,3-Dichloropropene	ND	0.19	5.9	1	U
4-Methyl-2-pentanone	ND	1.9	5.9	1	U
trans-1,3-Dichloropropene	ND	0.15	5.9	1	U
Ethyl methacrylate	ND	0.23	5.9	1	U
1,1,2-Trichloroethane	ND	0.27	5.9	1	U
2-Hexanone	ND	1.5	5.9	1	U
1,2-Dibromoethane	ND	0.21	5.9	1	U
Toluene	ND	0.24	5.9	1	U
1,3-Dichloropropane	ND	0.18	5.9	1	U
Dibromochloromethane	ND	0.28	5.9	1	U
Bromoform	ND	0.41	5.9	1	U
Tetrachloroethene	**150**	0.34	5.9	1	J P, MS/SD-I
1-Chlorohexane	ND	0.21	5.9	1	U UJ P-I
Chlorobenzene	ND	0.28	5.9	1	U
1,1,1,2-Tetrachloroethane	ND	0.15	5.9	1	U
Ethylbenzene	ND	0.25	5.9	1	U
m,p-Xylene	ND	0.37	12	1	U
o-Xylene	ND	0.16	5.9	1	U
Styrene	ND	0.14	5.9	1	U
Isopropylbenzene	ND	0.21	5.9	1	U
1,1,2,2-Tetrachloroethane	ND	0.33	5.9	1	U
Bromobenzene	ND	0.28	5.9	1	U
1,2,3-Trichloropropane	ND	0.50	5.9	1	U
trans-1,4-Dichloro-2-butene	ND	0.91	5.9	1	U
Pentachloroethane	ND	0.26	5.9	1	U
n-Propylbenzene	ND	0.21	5.9	1	U
1,3,5-Trimethylbenzene	ND	0.17	5.9	1	U
2-Chlorotoluene	ND	0.21	5.9	1	U
4-Chlorotoluene	ND	0.18	5.9	1	U
tert-Butylbenzene	ND	0.24	5.9	1	U
1,2,4-Trimethylbenzene	ND	0.16	5.9	1	U

Results Continued on Next Page

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ANALYTICAL REPORT

Client: URS Corporation
Project Manager: Roxanne Olson

Analytical Results

Workorder: **1009237**

Sample ID: **5pts-YVC-under-Mid-pipe** | Matrix: Soil/Solid/Sediment | Collected: 4/1/2010
Lab ID: 1009237001 | Media: 4 oz Glass Jar Wide Mouth | Received: 4/1/2010
Sampling Site: Five Points PCE | Sampling Parameter: NA

Analysis Method - SW 8260

Preparation: Not Applicable
Analysis: SW 8260C, Soil
Batch: EVO/2540 (HBN: 44838)
Analyzed: 4/6/2010 3:33:00 PM
Instr ID: 5973-Z
Percent Solids: 84.3
Report Basis: Dry

Analyte	ug/Kg	MDL	RL	Dilution	Qual.	
sec-Butylbenzene	ND	0.24	5.9	1	U	UJ P-I
p-Isopropyltoluene	ND	0.18	5.9	1	U	
1,3-Dichlorobenzene	ND	0.094	5.9	1	U	
1,4-Dichlorobenzene	ND	0.22	5.9	1	U	
n-Butylbenzene	ND	0.11	5.9	1	U	
1,2-Dichlorobenzene	ND	0.16	5.9	1	U	
1,2-Dibromo-3-Chloropropane	ND	3.1	5.9	1	U	
1,2,4-Trichlorobenzene	ND	0.25	5.9	1	U	
Hexachlorobutadiene	ND	0.39	5.9	1	U	
Naphthalene	ND	0.12	5.9	1	U	
1,2,3-Trichlorobenzene	ND	0.29	5.9	1	U	

Sample ID: **5pts-YVC-under-South-pipe** | Matrix: Soil/Solid/Sediment | Collected: 4/1/2010
Lab ID: 1009237002 | Media: 4 oz Glass Jar Wide Mouth | Received: 4/1/2010
Sampling Site: Five Points PCE | Sampling Parameter: NA

Analysis Method - SW 8260

Preparation: Not Applicable
Analysis: SW 8260C, Soil
Batch: EVO/2540 (HBN: 44838)
Analyzed: 4/6/2010 2:48:00 PM
Instr ID: 5973-Z
Percent Solids: 83.7
Report Basis: Dry

Analyte	ug/Kg	MDL	RL	Dilution	Qual.	
Dichlorodifluoromethane	ND	0.25	6.0	1	U	UJ P-I
Chloromethane	ND	0.31	6.0	1	U	
Vinyl chloride	ND	0.35	6.0	1	U	
Bromomethane	ND	0.58	6.0	1	U	
Chloroethane	ND	0.50	6.0	1	U	
Dichlorofluoromethane	ND	0.58	6.0	1	U	
Trichlorofluoromethane	ND	0.39	6.0	1	U	
Ethyl ether	ND	0.29	6.0	1	U	
1,1-Dichloroethene	ND	0.28	6.0	1	U	
Freon 113	ND	0.76	6.0	1	U	SP 3/14/11
Acetone	3.3	3.1	6.0	1	J	J P, MS/SD, SQL-I ~~J P, SQL-I~~
Iodomethane	ND	0.37	6.0	1	U	UJ P-I
Carbon disulfide	ND	0.35	6.0	1	U	

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ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

ANALYTICAL REPORT

Client: URS Corporation
Project Manager: Roxanne Olson

Analytical Results

Workorder: **1009237**

Sample ID: **5pts-YVC-under-South-pipe**
Lab ID: 1009237002
Sampling Site: Five Points PCE

Matrix: Soil/Solid/Sediment
Media: 4 oz Glass Jar Wide Mouth
Sampling Parameter: NA

Collected: 4/1/2010
Received: 4/1/2010

Analysis Method - SW 8260

Preparation: Not Applicable

Analysis: SW 8260C, Soil
Batch: EVO/2540 (HBN: 44838)
Analyzed: 4/6/2010 2:48:00 PM

Instr ID: 5973-Z
Percent Solids: 83.7
Report Basis: Dry

Analyte	ug/Kg	MDL	RL	Dilution	Qual.	
Methyl Acetate	ND	0.44	6.0	1	U	UJ P-I
Allyl chloride	ND	0.20	6.0	1	U	↓
Methylene chloride	6.0 ~~4.9~~	~~0.60~~ 1.9	6.0	1	J	UJ TB, P-I
trans-1,2-Dichloroethene	ND	0.23	6.0	1	U	UJ P-I
Methyl-t-butyl ether	ND	0.19	6.0	1	U	
cis-1,2-Dichloroethene	ND	0.21	6.0	1	U	
1,1-Dichloroethane	ND	0.24	6.0	1	U	
2,2-Dichloropropane	ND	0.25	6.0	1	U	
2-Butanone	ND	2.2	6.0	1	U	
Ethyl acetate	ND	2.4	6.0	1	U	
Bromochloromethane	ND	0.21	6.0	1	U	
Tetrahydrofuran	ND	3.8	6.0	1	U	
Chloroform	ND	0.34	6.0	1	U	
1,1,1-Trichloroethane	ND	0.27	6.0	1	U	
Cyclohexane	ND	0.50	6.0	1	U	
1,1-Dichloropropene	ND	0.27	6.0	1	U	
1,2-Dichloroethane	ND	0.29	6.0	1	U	
Carbon tetrachloride	ND	0.47	6.0	1	U	
Benzene	ND	0.23	6.0	1	U	↓
Trichloroethene	0.47	0.19	6.0	1	J	J P, SQL-I
Methylcyclohexane	ND	0.25	6.0	1	U	UJ P-I
1,2-Dichloropropane	ND	0.25	6.0	1	U	
Dibromomethane	ND	0.18	6.0	1	U	
Bromodichloromethane	ND	0.26	6.0	1	U	
cis-1,3-Dichloropropene	ND	0.19	6.0	1	U	
4-Methyl-2-pentanone	ND	2.0	6.0	1	U	
trans-1,3-Dichloropropene	ND	0.15	6.0	1	U	
Ethyl methacrylate	ND	0.23	6.0	1	U	
1,1,2-Trichloroethane	ND	0.27	6.0	1	U	
2-Hexanone	ND	1.5	6.0	1	U	
1,2-Dibromoethane	ND	0.21	6.0	1	U	
Toluene	ND	0.24	6.0	1	U	
1,3-Dichloropropane	ND	0.18	6.0	1	U	
Dibromochloromethane	ND	0.28	6.0	1	U	↓

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ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

ANALYTICAL REPORT

Client: URS Corporation
Project Manager: Roxanne Olson

Analytical Results

Workorder: **1009237**

Sample ID: **5pts-YVC-under-South-pipe**	Matrix: Soil/Solid/Sediment	Collected: 4/1/2010
Lab ID: 1009237002	Media: 4 oz Glass Jar Wide Mouth	Received: 4/1/2010
Sampling Site: Five Points PCE	Sampling Parameter: NA	

Analysis Method - SW 8260

Preparation: Not Applicable	**Analysis:** SW 8260C, Soil **Batch:** EVO/2540 (HBN: 44838) **Analyzed:** 4/6/2010 2:48:00 PM	**Instr ID:** 5973-Z **Percent Solids:** 83.7 **Report Basis:** Dry

Analyte	ug/Kg	MDL	RL	Dilution	Qual.
Bromoform	ND	0.41	6.0	1	U uJ P-I
Tetrachloroethene	**160**	0.34	6.0	1	J P,~~MS~~/SD-I
1-Chlorohexane	ND	0.21	6.0	1	U uJ P-I
Chlorobenzene	ND	0.28	6.0	1	U
1,1,1,2-Tetrachloroethane	ND	0.15	6.0	1	U
Ethylbenzene	ND	0.25	6.0	1	U
m,p-Xylene	ND	0.37	12	1	U
o-Xylene	ND	0.16	6.0	1	U
Styrene	ND	0.14	6.0	1	U
Isopropylbenzene	ND	0.21	6.0	1	U
1,1,2,2-Tetrachloroethane	ND	0.34	6.0	1	U
Bromobenzene	ND	0.28	6.0	1	U
1,2,3-Trichloropropane	ND	0.50	6.0	1	U
trans-1,4-Dichloro-2-butene	ND	0.92	6.0	1	U
Pentachloroethane	ND	0.26	6.0	1	U
n-Propylbenzene	ND	0.21	6.0	1	U
1,3,5-Trimethylbenzene	ND	0.17	6.0	1	U
2-Chlorotoluene	ND	0.22	6.0	1	U
4-Chlorotoluene	ND	0.18	6.0	1	U
tert-Butylbenzene	ND	0.24	6.0	1	U
1,2,4-Trimethylbenzene	ND	0.17	6.0	1	U
sec-Butylbenzene	ND	0.24	6.0	1	U
p-Isopropyltoluene	ND	0.18	6.0	1	U
1,3-Dichlorobenzene	ND	0.095	6.0	1	U
1,4-Dichlorobenzene	ND	0.22	6.0	1	U
n-Butylbenzene	ND	0.11	6.0	1	U
1,2-Dichlorobenzene	ND	0.16	6.0	1	U
1,2-Dibromo-3-Chloropropane	ND	3.2	6.0	1	U
1,2,4-Trichlorobenzene	ND	0.25	6.0	1	U
Hexachlorobutadiene	ND	0.39	6.0	1	U
Naphthalene	ND	0.12	6.0	1	U
1,2,3-Trichlorobenzene	ND	0.29	6.0	1	U

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ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

ANALYTICAL REPORT

Client: URS Corporation
Project Manager: Roxanne Olson

Analytical Results

Workorder: **1009237**

Sample ID: **5pts-YVC-under-North-pipe**	Matrix: Soil/Solid/Sediment	Collected: 4/1/2010
Lab ID: 1009237003	Media: 4 oz Glass Jar Wide Mouth	Received: 4/1/2010
Sampling Site: Five Points PCE	Sampling Parameter: NA	

Analysis Method - SW 8260

Preparation: Not Applicable	**Analysis:** SW 8260C, Soil **Batch:** EVO/2540 (HBN: 44838) **Analyzed:** 4/6/2010 2:25:00 PM	**Instr ID:** 5973-Z **Percent Solids:** 84.3 **Report Basis:** Dry

Analyte	ug/Kg	MDL	RL	Dilution	Qual.
Dichlorodifluoromethane	ND	0.25	5.9	1	U UJ P-I
Chloromethane	ND	0.30	5.9	1	U
Vinyl chloride	ND	0.35	5.9	1	U
Bromomethane	ND	0.58	5.9	1	U
Chloroethane	ND	0.49	5.9	1	U
Dichlorofluoromethane	ND	0.57	5.9	1	U
Trichlorofluoromethane	ND	0.39	5.9	1	U
Ethyl ether	ND	0.29	5.9	1	U
1,1-Dichloroethene	ND	0.28	5.9	1	U
Freon 113	ND	0.75	5.9	1	U
Acetone	3.5	3.1	5.9	1	J P, MS/SD, SQL-I ~~J MS/SD-H~~ SP 3/14/11
Iodomethane	ND	0.37	5.9	1	U UJ P-I
Carbon disulfide	ND	0.35	5.9	1	U
Methyl Acetate	ND	0.44	5.9	1	U
Allyl chloride	ND	0.20	5.9	1	U
Methylene chloride	5.9 ~~1.2~~	~~0.60~~ 1.2	5.9	1	J UJ FB, P-I
trans-1,2-Dichloroethene	ND	0.23	5.9	1	U UJ P-I
Methyl-t-butyl ether	ND	0.18	5.9	1	U
cis-1,2-Dichloroethene	ND	0.21	5.9	1	U
1,1-Dichloroethane	ND	0.24	5.9	1	U
2,2-Dichloropropane	ND	0.25	5.9	1	U
2-Butanone	ND	2.1	5.9	1	U
Ethyl acetate	ND	2.4	5.9	1	U
Bromochloromethane	ND	0.21	5.9	1	U
Tetrahydrofuran	ND	3.8	5.9	1	U
Chloroform	ND	0.34	5.9	1	U
1,1,1-Trichloroethane	ND	0.27	5.9	1	U
Cyclohexane	ND	0.50	5.9	1	U
1,1-Dichloropropene	ND	0.27	5.9	1	U
1,2-Dichloroethane	ND	0.29	5.9	1	U
Carbon tetrachloride	ND	0.47	5.9	1	U
Benzene	ND	0.23	5.9	1	U
Trichloroethene	0.45	0.19	5.9	1	J J P, SQL-I
Methylcyclohexane	ND	0.25	5.9	1	U UJ P-I

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ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

ANALYTICAL REPORT

Client: URS Corporation
Project Manager: Roxanne Olson

Analytical Results

Workorder: **1009237**

Sample ID: **5pts-YVC-under-North-pipe**	Matrix: Soil/Solid/Sediment	Collected: 4/1/2010
Lab ID: 1009237003	Media: 4 oz Glass Jar Wide Mouth	Received: 4/1/2010
Sampling Site: Five Points PCE	Sampling Parameter: NA	

Analysis Method - SW 8260

Preparation: Not Applicable	**Analysis:** SW 8260C, Soil **Batch:** EVO/2540 (HBN: 44838) **Analyzed:** 4/6/2010 2:25:00 PM	**Instr ID:** 5973-Z **Percent Solids:** 84.3 **Report Basis:** Dry

Analyte	ug/Kg	MDL	RL	Dilution	Qual.
1,2-Dichloropropane	ND	0.25	5.9	1	U UJ P-I
Dibromomethane	ND	0.18	5.9	1	U
Bromodichloromethane	ND	0.26	5.9	1	U
cis-1,3-Dichloropropene	ND	0.19	5.9	1	U
4-Methyl-2-pentanone	ND	1.9	5.9	1	U
trans-1,3-Dichloropropene	ND	0.15	5.9	1	U
Ethyl methacrylate	ND	0.23	5.9	1	U
1,1,2-Trichloroethane	ND	0.27	5.9	1	U
2-Hexanone	ND	1.5	5.9	1	U
1,2-Dibromoethane	ND	0.21	5.9	1	U
Toluene	ND	0.24	5.9	1	U
1,3-Dichloropropane	ND	0.18	5.9	1	U
Dibromochloromethane	ND	0.28	5.9	1	U
Bromoform	ND	0.41	5.9	1	U
Tetrachloroethene	**85**	0.34	5.9	1	J P, ~~MS/SD-I~~ ~~J MS/SD-H~~ SP 3/4/11
1-Chlorohexane	ND	0.21	5.9	1	U UJ P-I
Chlorobenzene	ND	0.28	5.9	1	U
1,1,1,2-Tetrachloroethane	ND	0.15	5.9	1	U
Ethylbenzene	ND	0.25	5.9	1	U
m,p-Xylene	ND	0.37	12	1	U
o-Xylene	ND	0.16	5.9	1	U
Styrene	ND	0.14	5.9	1	U
Isopropylbenzene	ND	0.21	5.9	1	U
1,1,2,2-Tetrachloroethane	ND	0.33	5.9	1	U
Bromobenzene	ND	0.28	5.9	1	U
1,2,3-Trichloropropane	ND	0.50	5.9	1	U
trans-1,4-Dichloro-2-butene	ND	0.91	5.9	1	U
Pentachloroethane	ND	0.25	5.9	1	U
n-Propylbenzene	ND	0.21	5.9	1	U
1,3,5-Trimethylbenzene	ND	0.17	5.9	1	U
2-Chlorotoluene	ND	0.21	5.9	1	U
4-Chlorotoluene	ND	0.18	5.9	1	U
tert-Butylbenzene	ND	0.24	5.9	1	U
1,2,4-Trimethylbenzene	ND	0.16	5.9	1	U

Results Continued on Next Page

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ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

ANALYTICAL REPORT

Client: URS Corporation
Project Manager: Roxanne Olson

Analytical Results

Workorder: **1009237**

Sample ID: **5pts-YVC-under-North-pipe**	Matrix: Soil/Solid/Sediment	Collected: 4/1/2010
Lab ID: 1009237003	Media: 4 oz Glass Jar Wide Mouth	Received: 4/1/2010
Sampling Site: Five Points PCE	Sampling Parameter: NA	

Analysis Method - SW 8260

Preparation: Not Applicable	**Analysis:** SW 8260C, Soil **Batch:** EVO/2540 (HBN: 44838) **Analyzed:** 4/6/2010 2:25:00 PM	**Instr ID:** 5973-Z **Percent Solids:** 84.3 **Report Basis:** Dry

Analyte	ug/Kg	MDL	RL	Dilution	Qual.
sec-Butylbenzene	ND	0.24	5.9	1	U uJ P-I
p-Isopropyltoluene	ND	0.18	5.9	1	U
1,3-Dichlorobenzene	ND	0.094	5.9	1	U
1,4-Dichlorobenzene	ND	0.22	5.9	1	U
n-Butylbenzene	ND	0.11	5.9	1	U
1,2-Dichlorobenzene	ND	0.16	5.9	1	U
1,2-Dibromo-3-Chloropropane	ND	3.1	5.9	1	U
1,2,4-Trichlorobenzene	ND	0.25	5.9	1	U
Hexachlorobutadiene	ND	0.39	5.9	1	U
Naphthalene	ND	0.12	5.9	1	U
1,2,3-Trichlorobenzene	ND	0.29	5.9	1	U

Report Authorization

Analysis Method - SW 8260

Christopher Q. Coleman	Thomas J. Masoian
Analyst	**Peer Review**

Analysis Method - Solids/Moisture Determination

Ilse J. Ovalle	Christopher Winter
Analyst	**Peer Review**

SP 3/14/11

ALS USA, Corp.
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Five Points
Remedial Investigation
Data Review Summary

Sample Delivery Group: 1009237
Sampling Date: April 1st, 2010
Data Reviewer: Sam Percy — Date Completed: March 3, 2011
Peer Reviewer: Sheri O'Connor — Date Completed: March 3, 2011

The table below summarizes the data packages and sample identifications discussed in this data review.

Field Identification	Sample Type	Lab Identification	Matrix	Analyses: VOCs
5pts-YVC-under-Mid-pipe	SA	1009237001	Soil	X
5pts-YVC-under-South-pipe	SA	1009237002	Soil	X
5pts-YVC-under-North-pipe	SA	1009237003	Soil	X^m

Sample Type: SA = Sample TB = Trip Blank FD = Field Duplicate
X^m = Matrix spike and/or matrix spike duplicate.
Analyses: VOC = Volitile Organic Compounds
[1]Undiluted and diluted sample results were reported for some samples. The highest detected result or result with the lowest reporting limit was selected for reporting.

This report contains the final results of the data validation conducted for water samples collected in April 2010 for the Five Points PCE Plume Site Remedial Investigation. The sample results were presented in one data package. The data review was conducted in accordance with the Quality Assurance Project Plan for the Five Points PCE Plume Site Remedial Investigation (URS, October2009) and evaluation of laboratory criteria, as applicable.

General Overall Assessment:

_____ Data are usable without qualification.
__X__ Data are usable with qualification (noted below).
_____ Some or all data are unusable for any purpose (detailed below).

Case Narrative Comments: Any case narrative comments concerning data qualification were address was noted in the table below.

Trace level detects, reported between the method detection limit (MDL) and the practical quantitation limit (PQL), have been qualified as estimated (J). All other exceptions are covered in the following table.

Review Parameter	Criteria Met?	Comments
Chain of Custody (COC) & Sample Receipt	No	The samples were received by ALS Laboratory Group in good condition and were consistent with the accompanying COC. The cooler temperature upon receipt was 8°C, above the recommended ≤6°C temperature range. The samples were collected on the 1st of April, kept on ice, and hand-delivered to the laboratory. As the cooler temperature did not have adequate time to reach the ≤6°C criterion, data qualification based upon preservation was not considered necessary.

Review Parameter	Criteria Met?	Comments
Holding Times	Yes	All samples were analyzed within the method required holding time. Data qualification was not required.
Laboratory Blanks • Method Blank	Yes	Target analytes were not reported as detected within the method blanks. Data qualification was not required.
Matrix Quality Control • Matrix Spike/ Matrix Spike Duplicate (MS/ MSD) *5pts-YVC-under-North-pipe (VOCs)*	No	With the exceptions listed in Table 1, the MS and MSD percent recoveries and the relative percentage diference(RPD) between MS and MSD met the quality control criteria. A collective assessment of matrix spike and matrix spike duplicates is discussed in the overall assessment (Section I).
Laboratory Performance • Laboratory Control Sample/ Laboratory Control Sample Duplicate (LCS/ LCSD)	Yes	The LCS and LCSD percent recoveries were within control limits. Data qualification was not required.
Method Quality Control • Surrogates	Yes	Surrogate recoveries for the groundwater samples collected for this event met the laboratory control limits. Data qualification was not required.
Field Quality Control • Trip Blank (TB) *None* • Field Duplicate (FD) *None* • Equipment Blank (EB) *None*	No	**Trip Blank** With the exception listed in Table 2, target analytes were not detected in the trip blank. **Field Duplicate** A field duplicate was not collected in association with the samples in this data package. A collective assessment of field duplicates is discussed in the overall assessment (Section I). **Equipment Blank** An equipment blank was not collected in association with the samples in this data package. Data qualification was not considered necessary. A collective assessment of equipment blanks is discussed in the overall assessment (Section I).
Non-detect results with unaltered reporting limits (RLs)	Yes	No analyses were performed at dilutions. Therefore, no non-detect results were reported with elevated reporting limits. Data qualification was not considered necessary.
Results Usable?	Yes	No results were qualified as unusable and the data are 100% complete.

VOCs – Volatile Organic Compounds J/UJ – estimated

Table 1: MS/MSD Recovery and RPD Outliers and Resultant Data Qualification

Associated Sample	Analyte	%Rs (Limits)	RPD (Limit)	Qualification
5pts-YVC-under-North-pipe	Acetone	**213/195** (24.3-187.3)	8.62 (20)	The parent sample result was qualified as estimated to reflect the potential high bias (J MS/SD-H).
	Tetrachloroethene	**156/137** (65.1-128.8)	6.49 (20)	The parent sample result was qualified as estimated to reflect the potential high bias (J MS/SD-H).

%Rs – Percent Recoveries
RPD – Relative Percentage Difference
J – Estimated
H – High Bias
MS/MSD – Matrix Spike/Matrix Spike Duplicate

Table 2: Trip Blank Outliers and Resultant Data Qualification

Analyte	Concentration (µg/L)	Qualification
Methylene Chloride	2.2	The associated sample detected methylene chloride results reported at concentrations <10x the concentration of blank contamination were qualified as non-detect at the reporting limit (U TB-I).

µg/L – Micrograms per Liter
TB – Trip Blank
U – Non-detect
< – Less Than
I – Indeterminate Bias

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP101-001004

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238004

Sample wt/vol: 4.37 (g/mL) g Lab File ID: SJ02C004

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. 22. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	7.3	U
74-87-3	Chloromethane	7.3	U
75-01-4	Vinyl chloride	7.3	U
74-83-9	Bromomethane	7.3	U
75-00-3	Chloroethane	7.3	U
75-69-4	Trichlorofluoromethane	7.3	U
75-35-4	1,1-Dichloroethene	7.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7.3	U
67-64-1	Acetone	15.	U
75-15-0	Carbon disulfide	7.3	U
79-20-9	Methyl acetate	7.3	U
75-09-2	Methylene chloride	7.3	U
156-60-5	trans-1,2-Dichloroethene	7.3	U
1634-04-4	Methyl tert-butyl ether	7.3	U
75-34-3	1,1-Dichloroethane	7.3	U
156-59-2	cis-1,2-Dichloroethene	7.3	U
78-93-3	2-Butanone	15.	U
74-97-5	Bromochloromethane	7.3	U
67-66-3	Chloroform	7.3	U
71-55-6	1,1,1-Trichloroethane	7.3	U
110-82-7	Cyclohexane	7.3	U
56-23-5	Carbon tetrachloride	7.3	U
71-43-2	Benzene	7.3	U
107-06-2	1,2-Dichloroethane	7.3	U
123-91-1	1,4-Dioxane	150	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/9/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP101-001004

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238004

Sample wt/vol: 4.37 (g/mL) g Lab File ID: SJ02C004

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. 22. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	
79-01-6	Trichloroethene	2.6	J	JS QL-I
108-87-2	Methylcyclohexane	7.3	U	
78-87-5	1,2-Dichloropropane	7.3	U	
75-27-4	Bromodichloromethane	7.3	U	
10061-01-5	cis-1,3-Dichloropropene	7.3	U	
108-10-1	4-Methyl-2-Pentanone	15.	U	
108-88-3	Toluene	7.3 ~~0.19~~	JB	u MB-I
10061-02-6	trans-1,3-Dichloropropene	7.3	U	
79-00-5	1,1,2-Trichloroethane	7.3	U	
127-18-4	Tetrachloroethene	490	E	J MS/SD-I
591-78-6	2-Hexanone	15.	U	
124-48-1	Dibromochloromethane	7.3	U	
106-93-4	1,2-Dibromoethane	7.3	U	
108-90-7	Chlorobenzene	7.3	U	
100-41-4	Ethylbenzene	7.3	U	
95-47-6	o-Xylene	7.3	U	
179601-23-1	m,p-Xylene	7.3	U	
100-42-5	Styrene	7.3	U	
75-25-2	Bromoform	7.3	U	
98-82-8	Isopropylbenzene	7.3	U	
79-34-5	1,1,2,2-Tetrachloroethane	7.3	U	
541-73-1	1,3-Dichlorobenzene	7.3	U	
106-46-7	1,4-Dichlorobenzene	7.3	U	
95-50-1	1,2-Dichlorobenzene	7.3	U	
96-12-8	1,2-Dibromo-3-chloropropane	7.3	U	
120-82-1	1,2,4-Trichlorobenzene	7.3	U	
87-61-6	1,2,3-Trichlorobenzene	7.3	U	

SP
3/9/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP101-004005

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238001

Sample wt/vol: 6.06 (g/mL) g Lab File ID: SI99C001

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. 23. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	5.3	U
74-87-3	Chloromethane	5.3	U
75-01-4	Vinyl chloride	5.3	U
74-83-9	Bromomethane	5.3	U
75-00-3	Chloroethane	5.3	U
75-69-4	Trichlorofluoromethane	5.3	U
75-35-4	1,1-Dichloroethene	5.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.3	U
67-64-1	Acetone	11.	U
75-15-0	Carbon disulfide	5.3	U
79-20-9	Methyl acetate	5.3	U
75-09-2	Methylene chloride	5.3	U
156-60-5	trans-1,2-Dichloroethene	5.3	U
1634-04-4	Methyl tert-butyl ether	5.3	U
75-34-3	1,1-Dichloroethane	5.3	U
156-59-2	cis-1,2-Dichloroethene	5.3	U
78-93-3	2-Butanone	11.	U
74-97-5	Bromochloromethane	5.3	U
67-66-3	Chloroform	5.3	U
71-55-6	1,1,1-Trichloroethane	5.3	U
110-82-7	Cyclohexane	5.3	U
56-23-5	Carbon tetrachloride	5.3	U
71-43-2	Benzene	5.3	U
107-06-2	1,2-Dichloroethane	5.3	U
123-91-1	1,4-Dioxane	110	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/9/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP101-004005

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238001

Sample wt/vol: 6.06 (g/mL) g Lab File ID: SI99C001

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. 23. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	1.7	J JSQL-I
108-87-2	Methylcyclohexane	5.3	U
78-87-5	1,2-Dichloropropane	5.3	U
75-27-4	Bromodichloromethane	5.3	U
10061-01-5	cis-1,3-Dichloropropene	5.3	U
108-10-1	4-Methyl-2-Pentanone	11.	U
108-88-3	Toluene	5.3	U
10061-02-6	trans-1,3-Dichloropropene	5.3	U
79-00-5	1,1,2-Trichloroethane	5.3	U
127-18-4	Tetrachloroethene	440	E JMS/SD-I
591-78-6	2-Hexanone	11.	U
124-48-1	Dibromochloromethane	5.3	U
106-93-4	1,2-Dibromoethane	5.3	U
108-90-7	Chlorobenzene	5.3	U
100-41-4	Ethylbenzene	5.3	U
95-47-6	o-Xylene	5.3	U
179601-23-1	m,p-Xylene	5.3	U
100-42-5	Styrene	5.3	U
75-25-2	Bromoform	5.3	U
98-82-8	Isopropylbenzene	5.3	U
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U
541-73-1	1,3-Dichlorobenzene	5.3	U
106-46-7	1,4-Dichlorobenzene	5.3	U
95-50-1	1,2-Dichlorobenzene	5.3	U
96-12-8	1,2-Dibromo-3-chloropropane	5.3	U
120-82-1	1,2,4-Trichlorobenzene	5.3	U
87-61-6	1,2,3-Trichlorobenzene	5.3	U

SP
3/9/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP101-014015

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238002

Sample wt/vol: 3.32 (g/mL) g Lab File ID: SJ00C002

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. 27. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	10.	U
74-87-3	Chloromethane	10.	U
75-01-4	Vinyl chloride	10.	U
74-83-9	Bromomethane	10.	U
75-00-3	Chloroethane	10.	U
75-69-4	Trichlorofluoromethane	10.	U
75-35-4	1,1-Dichloroethene	10.	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10.	U
67-64-1	Acetone	21.	U
75-15-0	Carbon disulfide	10.	U
79-20-9	Methyl acetate	10.	U
75-09-2	Methylene chloride	10.	U
156-60-5	trans-1,2-Dichloroethene	10.	U
1634-04-4	Methyl tert-butyl ether	10.	U
75-34-3	1,1-Dichloroethane	10.	U
156-59-2	cis-1,2-Dichloroethene	10.	U
78-93-3	2-Butanone	21.	U
74-97-5	Bromochloromethane	10.	U
67-66-3	Chloroform	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
110-82-7	Cyclohexane	10.	U
56-23-5	Carbon tetrachloride	10.	U
71-43-2	Benzene	10.	U
107-06-2	1,2-Dichloroethane	10.	U
123-91-1	1,4-Dioxane	210	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/9/11

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP101-014015

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238002

Sample wt/vol: 3.32 (g/mL) g Lab File ID: SJ00C002

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. 27. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	0.95	J JSQL-I
108-87-2	Methylcyclohexane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
75-27-4	Bromodichloromethane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
108-10-1	4-Methyl-2-Pentanone	21.	U
108-88-3	Toluene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
127-18-4	Tetrachloroethene	670	E J MS/SD-14
591-78-6	2-Hexanone	21.	U
124-48-1	Dibromochloromethane	10.	U
106-93-4	1,2-Dibromoethane	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
95-47-6	o-Xylene	10.	U
179601-23-1	m,p-Xylene	10.	U
100-42-5	Styrene	10.	U
75-25-2	Bromoform	10.	U
98-82-8	Isopropylbenzene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
96-12-8	1,2-Dibromo-3-chloropropane	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
87-61-6	1,2,3-Trichlorobenzene	10.	U

SP
3/19/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP101-024025

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238003

Sample wt/vol: 5.34 (g/mL) g Lab File ID: SJ01C003

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. 21. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	5.9	U
74-87-3	Chloromethane	5.9	U
75-01-4	Vinyl chloride	5.9	U
74-83-9	Bromomethane	5.9	U
75-00-3	Chloroethane	5.9	U
75-69-4	Trichlorofluoromethane	5.9	U
75-35-4	1,1-Dichloroethene	5.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.9	U
67-64-1	Acetone	12.	U
75-15-0	Carbon disulfide	5.9	U
79-20-9	Methyl acetate	5.9	U
75-09-2	Methylene chloride	5.9	U
156-60-5	trans-1,2-Dichloroethene	5.9	U
1634-04-4	Methyl tert-butyl ether	5.9	U
75-34-3	1,1-Dichloroethane	5.9	U
156-59-2	cis-1,2-Dichloroethene	5.9	U
78-93-3	2-Butanone	12.	U
74-97-5	Bromochloromethane	5.9	U
67-66-3	Chloroform	5.9	U
71-55-6	1,1,1-Trichloroethane	5.9	U
110-82-7	Cyclohexane	5.9	U
56-23-5	Carbon tetrachloride	5.9	U
71-43-2	Benzene	5.9	U
107-06-2	1,2-Dichloroethane	5.9	U
123-91-1	1,4-Dioxane	120	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/9/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP101-024025

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238003

Sample wt/vol: 5.34 (g/mL) g Lab File ID: SJ01C003

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. 21. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	5.9	U
108-87-2	Methylcyclohexane	5.9	U
78-87-5	1,2-Dichloropropane	5.9	U
75-27-4	Bromodichloromethane	5.9	U
10061-01-5	cis-1,3-Dichloropropene	5.9	U
108-10-1	4-Methyl-2-Pentanone	12.	U
108-88-3	Toluene	5.9	U
10061-02-6	trans-1,3-Dichloropropene	5.9	U
79-00-5	1,1,2-Trichloroethane	5.9	U
127-18-4	Tetrachloroethene	8.6	J MS/SD-14
591-78-6	2-Hexanone	12.	U
124-48-1	Dibromochloromethane	5.9	U
106-93-4	1,2-Dibromoethane	5.9	U
108-90-7	Chlorobenzene	5.9	U
100-41-4	Ethylbenzene	5.9	U
95-47-6	o-Xylene	5.9	U
179601-23-1	m,p-Xylene	5.9	U
100-42-5	Styrene	5.9	U
75-25-2	Bromoform	5.9	U
98-82-8	Isopropylbenzene	5.9	U
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U
541-73-1	1,3-Dichlorobenzene	5.9	U
106-46-7	1,4-Dichlorobenzene	5.9	U
95-50-1	1,2-Dichlorobenzene	5.9	U
96-12-8	1,2-Dibromo-3-chloropropane	5.9	U
120-82-1	1,2,4-Trichlorobenzene	5.9	U
87-61-6	1,2,3-Trichlorobenzene	5.9	U

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1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP102-004005

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009239002

Sample wt/vol: 5.85 (g/mL) g Lab File ID: LQ49C002

Level: (TRACE/LOW/MED) MED Date Received: 04/02/2010

% Moisture: not dec. 21. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.0 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	~~UJ~~ SP 3/14/11 330	U
74-87-3	Chloromethane	330	U
75-01-4	Vinyl chloride	330	U
74-83-9	Bromomethane	330	U
75-00-3	Chloroethane	330	U
75-69-4	Trichlorofluoromethane	330	U
75-35-4	1,1-Dichloroethene	330	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	330	U
67-64-1	Acetone	670	U
75-15-0	Carbon disulfide	330	U
79-20-9	Methyl acetate	330	U
75-09-2	Methylene chloride	330	U
156-60-5	trans-1,2-Dichloroethene	330	U
1634-04-4	Methyl tert-butyl ether	330	U
75-34-3	1,1-Dichloroethane	330	U
156-59-2	cis-1,2-Dichloroethene	330	U
78-93-3	2-Butanone	670	U
74-97-5	Bromochloromethane	330	U
67-66-3	Chloroform	330	U
71-55-6	1,1,1-Trichloroethane	330	U
110-82-7	Cyclohexane	330	U
56-23-5	Carbon tetrachloride	330	U
71-43-2	Benzene	330	U
107-06-2	1,2-Dichloroethane	330	U
123-91-1	1,4-Dioxane	6700	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/14/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP102-004005

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009239002

Sample wt/vol: 5.85 (g/mL) g Lab File ID: LQ49C002

Level: (TRACE/LOW/MED) MED Date Received: 04/02/2010

% Moisture: not dec. 21. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.0 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	330	U
108-87-2	Methylcyclohexane	330	U
78-87-5	1,2-Dichloropropane	330	U
75-27-4	Bromodichloromethane	330	U
10061-01-5	cis-1,3-Dichloropropene	330	U
108-10-1	4-Methyl-2-Pentanone	670	U
108-88-3	Toluene	330	U
10061-02-6	trans-1,3-Dichloropropene	330	U
79-00-5	1,1,2-Trichloroethane	330	U
127-18-4	Tetrachloroethene	390	J MS/SD-H
591-78-6	2-Hexanone	670	U
124-48-1	Dibromochloromethane	330	U
106-93-4	1,2-Dibromoethane	330	U
108-90-7	Chlorobenzene	330	U
100-41-4	Ethylbenzene	330	U
95-47-6	o-Xylene	330	U
179601-23-1	m,p-Xylene	330	U
100-42-5	Styrene	330	U
75-25-2	Bromoform	330	U
98-82-8	Isopropylbenzene	330	U
79-34-5	1,1,2,2-Tetrachloroethane	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
96-12-8	1,2-Dibromo-3-chloropropane	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
87-61-6	1,2,3-Trichlorobenzene	330	U

SP
3/4/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP102-008009

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009239003

Sample wt/vol: 5.54 (g/mL) g Lab File ID: LQ50C003

Level: (TRACE/LOW/MED) MED Date Received: 04/02/2010

% Moisture: not dec. 21. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.0 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	350	U
74-87-3	Chloromethane	350	U
75-01-4	Vinyl chloride	350	U
74-83-9	Bromomethane	350	U
75-00-3	Chloroethane	350	U
75-69-4	Trichlorofluoromethane	350	U
75-35-4	1,1-Dichloroethene	350	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	350	U
67-64-1	Acetone	700	U
75-15-0	Carbon disulfide	350	U
79-20-9	Methyl acetate	350	U
75-09-2	Methylene chloride	350	U
156-60-5	trans-1,2-Dichloroethene	350	U
1634-04-4	Methyl tert-butyl ether	350	U
75-34-3	1,1-Dichloroethane	350	U
156-59-2	cis-1,2-Dichloroethene	350	U
78-93-3	2-Butanone	700	U
74-97-5	Bromochloromethane	350	U
67-66-3	Chloroform	350	U
71-55-6	1,1,1-Trichloroethane	350	U
110-82-7	Cyclohexane	350	U
56-23-5	Carbon tetrachloride	350	U
71-43-2	Benzene	350	U
107-06-2	1,2-Dichloroethane	350	U
123-91-1	1,4-Dioxane	7000	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/4/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP102-008009

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009239003

Sample wt/vol: 5.54 (g/mL) g Lab File ID: LQ50C003

Level: (TRACE/LOW/MED) MED Date Received: 04/02/2010

% Moisture: not dec. 21. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.0 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	350	U
108-87-2	Methylcyclohexane	350	U
78-87-5	1,2-Dichloropropane	350	U
75-27-4	Bromodichloromethane	350	U
10061-01-5	cis-1,3-Dichloropropene	350	U
108-10-1	4-Methyl-2-Pentanone	700	U
108-88-3	Toluene	350	U
10061-02-6	trans-1,3-Dichloropropene	350	U
79-00-5	1,1,2-Trichloroethane	350	U
127-18-4	Tetrachloroethene	550	J MS/SD-14
591-78-6	2-Hexanone	700	U
124-48-1	Dibromochloromethane	350	U
106-93-4	1,2-Dibromoethane	350	U
108-90-7	Chlorobenzene	350	U
100-41-4	Ethylbenzene	350	U
95-47-6	o-Xylene	350	U
179601-23-1	m,p-Xylene	350	U
100-42-5	Styrene	350	U
75-25-2	Bromoform	350	U
98-82-8	Isopropylbenzene	350	U
79-34-5	1,1,2,2-Tetrachloroethane	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
96-12-8	1,2-Dibromo-3-chloropropane	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
87-61-6	1,2,3-Trichlorobenzene	350	U

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3/14/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP102-008009-Y

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009239004

Sample wt/vol: 5.89 (g/mL) g Lab File ID: LQ51C004

Level: (TRACE/LOW/MED) MED Date Received: 04/02/2010

% Moisture: not dec. 21. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.0 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	330	U
74-87-3	Chloromethane	330	U
75-01-4	Vinyl chloride	330	U
74-83-9	Bromomethane	330	U
75-00-3	Chloroethane	330	U
75-69-4	Trichlorofluoromethane	330	U
75-35-4	1,1-Dichloroethene	330	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	330	U
67-64-1	Acetone	670	U
75-15-0	Carbon disulfide	330	U
79-20-9	Methyl acetate	330	U
75-09-2	Methylene chloride	U MB, TB-I 330 ~~16.~~	JB U ~~MB, TB~~ SP 3/3/11
156-60-5	trans-1,2-Dichloroethene	330	U
1634-04-4	Methyl tert-butyl ether	330	U
75-34-3	1,1-Dichloroethane	330	U
156-59-2	cis-1,2-Dichloroethene	330	U
78-93-3	2-Butanone	670	U
74-97-5	Bromochloromethane	330	U
67-66-3	Chloroform	330	U
71-55-6	1,1,1-Trichloroethane	330	U
110-82-7	Cyclohexane	330	U
56-23-5	Carbon tetrachloride	330	U
71-43-2	Benzene	330	U
107-06-2	1,2-Dichloroethane	330	U
123-91-1	1,4-Dioxane	6700	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/4/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP102-008009-Y

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009239004

Sample wt/vol: 5.89 (g/mL) g Lab File ID: LQ51C004

Level: (TRACE/LOW/MED) MED Date Received: 04/02/2010

% Moisture: not dec. 21. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.0 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	330	U
108-87-2	Methylcyclohexane	330	U
78-87-5	1,2-Dichloropropane	330	U
75-27-4	Bromodichloromethane	330	U
10061-01-5	cis-1,3-Dichloropropene	330	U
108-10-1	4-Methyl-2-Pentanone	670	U
108-88-3	Toluene	330	U
10061-02-6	trans-1,3-Dichloropropene	330	U
79-00-5	1,1,2-Trichloroethane	330	U
127-18-4	Tetrachloroethene	610	J MS/SD-H
591-78-6	2-Hexanone	670	U
124-48-1	Dibromochloromethane	330	U
106-93-4	1,2-Dibromoethane	330	U
108-90-7	Chlorobenzene	330	U
100-41-4	Ethylbenzene	330	U
95-47-6	o-Xylene	330	U
179601-23-1	m,p-Xylene	330	U
100-42-5	Styrene	330	U
75-25-2	Bromoform	330	U
98-82-8	Isopropylbenzene	330	U
79-34-5	1,1,2,2-Tetrachloroethane	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
96-12-8	1,2-Dibromo-3-chloropropane	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
87-61-6	1,2,3-Trichlorobenzene	330	U

SP
3/14/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP102-012013

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009239005

Sample wt/vol: 4.39 (g/mL) g Lab File ID: LQ52C005

Level: (TRACE/LOW/MED) MED Date Received: 04/02/2010

% Moisture: not dec. 25. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.0 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	460	U
74-87-3	Chloromethane	460	U
75-01-4	Vinyl chloride	460	U
74-83-9	Bromomethane	460	U
75-00-3	Chloroethane	460	U
75-69-4	Trichlorofluoromethane	460	U
75-35-4	1,1-Dichloroethene	460	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	460	U
67-64-1	Acetone	930	U
75-15-0	Carbon disulfide	460	U
79-20-9	Methyl acetate	460	U
75-09-2	Methylene chloride	460	U
156-60-5	trans-1,2-Dichloroethene	460	U
1634-04-4	Methyl tert-butyl ether	460	U
75-34-3	1,1-Dichloroethane	460	U
156-59-2	cis-1,2-Dichloroethene	460	U
78-93-3	2-Butanone	930	U
74-97-5	Bromochloromethane	460	U
67-66-3	Chloroform	460	U
71-55-6	1,1,1-Trichloroethane	460	U
110-82-7	Cyclohexane	460	U
56-23-5	Carbon tetrachloride	460	U
71-43-2	Benzene	460	U
107-06-2	1,2-Dichloroethane	460	U
123-91-1	1,4-Dioxane	9300	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/4/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP102-012013

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009239005

Sample wt/vol: 4.39 (g/mL) g Lab File ID: LQ52C005

Level: (TRACE/LOW/MED) MED Date Received: 04/02/2010

% Moisture: not dec. 25. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.0 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	460	U
108-87-2	Methylcyclohexane	460	U
78-87-5	1,2-Dichloropropane	460	U
75-27-4	Bromodichloromethane	460	U
10061-01-5	cis-1,3-Dichloropropene	460	U
108-10-1	4-Methyl-2-Pentanone	930	U
108-88-3	Toluene	460	U
10061-02-6	trans-1,3-Dichloropropene	460	U
79-00-5	1,1,2-Trichloroethane	460	U
127-18-4	Tetrachloroethene	850	J MS/SD-14
591-78-6	2-Hexanone	930	U
124-48-1	Dibromochloromethane	460	U
106-93-4	1,2-Dibromoethane	460	U
108-90-7	Chlorobenzene	460	U
100-41-4	Ethylbenzene	460	U
95-47-6	o-Xylene	460	U
179601-23-1	m,p-Xylene	460	U
100-42-5	Styrene	460	U
75-25-2	Bromoform	460	U
98-82-8	Isopropylbenzene	460	U
79-34-5	1,1,2,2-Tetrachloroethane	460	U
541-73-1	1,3-Dichlorobenzene	460	U
106-46-7	1,4-Dichlorobenzene	460	U
95-50-1	1,2-Dichlorobenzene	460	U
96-12-8	1,2-Dibromo-3-chloropropane	460	U
120-82-1	1,2,4-Trichlorobenzene	460	U
87-61-6	1,2,3-Trichlorobenzene	460	U

5P
3/4/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP102-017018

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009239006

Sample wt/vol: 4.74 (g/mL) g Lab File ID: LQ53C006

Level: (TRACE/LOW/MED) MED Date Received: 04/02/2010

% Moisture: not dec. 21. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.0 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	400	U
74-87-3	Chloromethane	400	U
75-01-4	Vinyl chloride	400	U
74-83-9	Bromomethane	400	U
75-00-3	Chloroethane	400	U
75-69-4	Trichlorofluoromethane	400	U
75-35-4	1,1-Dichloroethene	400	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	400	U
67-64-1	Acetone	790	U
75-15-0	Carbon disulfide	400	U
79-20-9	Methyl acetate	400	U
75-09-2	Methylene chloride	400	U
156-60-5	trans-1,2-Dichloroethene	400	U
1634-04-4	Methyl tert-butyl ether	400	U
75-34-3	1,1-Dichloroethane	400	U
156-59-2	cis-1,2-Dichloroethene	400	U
78-93-3	2-Butanone	790	U
74-97-5	Bromochloromethane	400	U
67-66-3	Chloroform	400	U
71-55-6	1,1,1-Trichloroethane	400	U
110-82-7	Cyclohexane	400	U
56-23-5	Carbon tetrachloride	400	U
71-43-2	Benzene	400	U
107-06-2	1,2-Dichloroethane	400	U
123-91-1	1,4-Dioxane	7900	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/4/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP102-017018

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009239006

Sample wt/vol: 4.74 (g/mL) g Lab File ID: LQ53C006

Level: (TRACE/LOW/MED) MED Date Received: 04/02/2010

% Moisture: not dec. 21. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.0 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	400	U
108-87-2	Methylcyclohexane	400	U
78-87-5	1,2-Dichloropropane	400	U
75-27-4	Bromodichloromethane	400	U
10061-01-5	cis-1,3-Dichloropropene	400	U
108-10-1	4-Methyl-2-Pentanone	790	U
108-88-3	Toluene	400	U
10061-02-6	trans-1,3-Dichloropropene	400	U
79-00-5	1,1,2-Trichloroethane	400	U
127-18-4	Tetrachloroethene	500	J MS/SD-H
591-78-6	2-Hexanone	790	U
124-48-1	Dibromochloromethane	400	U
106-93-4	1,2-Dibromoethane	400	U
108-90-7	Chlorobenzene	400	U
100-41-4	Ethylbenzene	400	U
95-47-6	o-Xylene	400	U
179601-23-1	m,p-Xylene	400	U
100-42-5	Styrene	400	U
75-25-2	Bromoform	400	U
98-82-8	Isopropylbenzene	400	U
79-34-5	1,1,2,2-Tetrachloroethane	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
96-12-8	1,2-Dibromo-3-chloropropane	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
87-61-6	1,2,3-Trichlorobenzene	400	U

SP
3/14/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP102-019020

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009239007

Sample wt/vol: 6.04 (g/mL) g Lab File ID: SI95C007

Level: (TRACE/LOW/MED) LOW Date Received: 04/02/2010

% Moisture: not dec. 14. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	4.8	U
74-87-3	Chloromethane	4.8	U
75-01-4	Vinyl chloride	4.8	U
74-83-9	Bromomethane	4.8	U
75-00-3	Chloroethane	4.8	U
75-69-4	Trichlorofluoromethane	4.8	U
75-35-4	1,1-Dichloroethene	4.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4.8	U
67-64-1	Acetone	9.7	U
75-15-0	Carbon disulfide	4.8	U
79-20-9	Methyl acetate	4.8	U
75-09-2	Methylene chloride	4.8	U
156-60-5	trans-1,2-Dichloroethene	4.8	U
1634-04-4	Methyl tert-butyl ether	4.8	U
75-34-3	1,1-Dichloroethane	4.8	U
156-59-2	cis-1,2-Dichloroethene	4.8	U
78-93-3	2-Butanone	9.7	U
74-97-5	Bromochloromethane	4.8	U
67-66-3	Chloroform	4.8	U
71-55-6	1,1,1-Trichloroethane	4.8	U
110-82-7	Cyclohexane	4.8	U
56-23-5	Carbon tetrachloride	4.8	U
71-43-2	Benzene	4.8	U
107-06-2	1,2-Dichloroethane	4.8	U
123-91-1	1,4-Dioxane	97.	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/4/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP102-019020

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009239007

Sample wt/vol: 6.04 (g/mL) g Lab File ID: SI95C007

Level: (TRACE/LOW/MED) LOW Date Received: 04/02/2010

% Moisture: not dec. 14. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	4.8	U
108-87-2	Methylcyclohexane	4.8	U
78-87-5	1,2-Dichloropropane	4.8	U
75-27-4	Bromodichloromethane	4.8	U
10061-01-5	cis-1,3-Dichloropropene	4.8	U
108-10-1	4-Methyl-2-Pentanone	9.7	U
108-88-3	Toluene	4.8	U
10061-02-6	trans-1,3-Dichloropropene	4.8	U
79-00-5	1,1,2-Trichloroethane	4.8	U
127-18-4	Tetrachloroethene	J MS/SD, SQL-I 1.1	J ~~JSQL-I~~ SP 3/4/11
591-78-6	2-Hexanone	9.7	U
124-48-1	Dibromochloromethane	4.8	U
106-93-4	1,2-Dibromoethane	4.8	U
108-90-7	Chlorobenzene	4.8	U
100-41-4	Ethylbenzene	4.8	U
95-47-6	o-Xylene	4.8	U
179601-23-1	m,p-Xylene	4.8	U
100-42-5	Styrene	4.8	U
75-25-2	Bromoform	4.8	U
98-82-8	Isopropylbenzene	4.8	U
79-34-5	1,1,2,2-Tetrachloroethane	4.8	U
541-73-1	1,3-Dichlorobenzene	4.8	U
106-46-7	1,4-Dichlorobenzene	4.8	U
95-50-1	1,2-Dichlorobenzene	4.8	U
96-12-8	1,2-Dibromo-3-chloropropane	4.8	U
120-82-1	1,2,4-Trichlorobenzene	4.8	U
87-61-6	1,2,3-Trichlorobenzene	4.8	U

SP
3/4/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP103-002004

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238005

Sample wt/vol: 5.24 (g/mL) g Lab File ID: SI98C005

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. 16. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	5.7	U
74-87-3	Chloromethane	5.7	U
75-01-4	Vinyl chloride	5.7	U
74-83-9	Bromomethane	5.7	U
75-00-3	Chloroethane	5.7	U
75-69-4	Trichlorofluoromethane	5.7	U
75-35-4	1,1-Dichloroethene	5.7	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.7	U
67-64-1	Acetone	11.	U
75-15-0	Carbon disulfide	5.7	U
79-20-9	Methyl acetate	5.7	U
75-09-2	Methylene chloride	5.7	U
156-60-5	trans-1,2-Dichloroethene	5.7	U
1634-04-4	Methyl tert-butyl ether	5.7	U
75-34-3	1,1-Dichloroethane	5.7	U
156-59-2	cis-1,2-Dichloroethene	5.7	U
78-93-3	2-Butanone	11.	U
74-97-5	Bromochloromethane	5.7	U
67-66-3	Chloroform	5.7	U
71-55-6	1,1,1-Trichloroethane	5.7	U
110-82-7	Cyclohexane	5.7	U
56-23-5	Carbon tetrachloride	5.7	U
71-43-2	Benzene	5.7	U
107-06-2	1,2-Dichloroethane	5.7	U
123-91-1	1,4-Dioxane	110	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/9/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP103-002004

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238005

Sample wt/vol: 5.24 (g/mL) g Lab File ID: SI98C005

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. 16. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	5.7	U
108-87-2	Methylcyclohexane	5.7	U
78-87-5	1,2-Dichloropropane	5.7	U
75-27-4	Bromodichloromethane	5.7	U
10061-01-5	cis-1,3-Dichloropropene	5.7	U
108-10-1	4-Methyl-2-Pentanone	11.	U
108-88-3	Toluene	5.7 ~~0.12~~	JB UMB-I
10061-02-6	trans-1,3-Dichloropropene	5.7	U
79-00-5	1,1,2-Trichloroethane	5.7	U
127-18-4	Tetrachloroethene	170	J MS/SD-H
591-78-6	2-Hexanone	11.	U
124-48-1	Dibromochloromethane	5.7	U
106-93-4	1,2-Dibromoethane	5.7	U
108-90-7	Chlorobenzene	5.7	U
100-41-4	Ethylbenzene	5.7	U
95-47-6	o-Xylene	5.7	U
179601-23-1	m,p-Xylene	5.7	U
100-42-5	Styrene	5.7	U
75-25-2	Bromoform	5.7	U
98-82-8	Isopropylbenzene	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U
541-73-1	1,3-Dichlorobenzene	5.7	U
106-46-7	1,4-Dichlorobenzene	5.7	U
95-50-1	1,2-Dichlorobenzene	5.7	U
96-12-8	1,2-Dibromo-3-chloropropane	5.7	U
120-82-1	1,2,4-Trichlorobenzene	5.7	U
87-61-6	1,2,3-Trichlorobenzene	5.7	U

SP 3/9/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP103-013014

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238007

Sample wt/vol: 5.57 (g/mL) g Lab File ID: SJ03C007

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. 21. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	5.7	U
74-87-3	Chloromethane	5.7	U
75-01-4	Vinyl chloride	5.7	U
74-83-9	Bromomethane	5.7	U
75-00-3	Chloroethane	5.7	U
75-69-4	Trichlorofluoromethane	5.7	U
75-35-4	1,1-Dichloroethene	5.7	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.7	U
67-64-1	Acetone	11.	U
75-15-0	Carbon disulfide	5.7	U
79-20-9	Methyl acetate	5.7	U
75-09-2	Methylene chloride	5.7	U
156-60-5	trans-1,2-Dichloroethene	5.7	U
1634-04-4	Methyl tert-butyl ether	5.7	U
75-34-3	1,1-Dichloroethane	5.7	U
156-59-2	cis-1,2-Dichloroethene	5.7	U
78-93-3	2-Butanone	11.	U
74-97-5	Bromochloromethane	5.7	U
67-66-3	Chloroform	5.7	U
71-55-6	1,1,1-Trichloroethane	5.7	U
110-82-7	Cyclohexane	5.7	U
56-23-5	Carbon tetrachloride	5.7	U
71-43-2	Benzene	5.7	U
107-06-2	1,2-Dichloroethane	5.7	U
123-91-1	1,4-Dioxane	110	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/9/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP103-013014

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238007

Sample wt/vol: 5.57 (g/mL) g Lab File ID: SJ03C007

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. 21. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	0.24	J JS QL-I
108-87-2	Methylcyclohexane	5.7	U
78-87-5	1,2-Dichloropropane	5.7	U
75-27-4	Bromodichloromethane	5.7	U
10061-01-5	cis-1,3-Dichloropropene	5.7	U
108-10-1	4-Methyl-2-Pentanone	11.	U
108-88-3	Toluene	5.7	U
10061-02-6	trans-1,3-Dichloropropene	5.7	U
79-00-5	1,1,2-Trichloroethane	5.7	U
127-18-4	Tetrachloroethene	240	E JMS/SD-H
591-78-6	2-Hexanone	11.	U
124-48-1	Dibromochloromethane	5.7	U
106-93-4	1,2-Dibromoethane	5.7	U
108-90-7	Chlorobenzene	5.7	U
100-41-4	Ethylbenzene	5.7	U
95-47-6	o-Xylene	5.7	U
179601-23-1	m,p-Xylene	5.7	U
100-42-5	Styrene	5.7	U
75-25-2	Bromoform	5.7	U
98-82-8	Isopropylbenzene	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U
541-73-1	1,3-Dichlorobenzene	5.7	U
106-46-7	1,4-Dichlorobenzene	5.7	U
95-50-1	1,2-Dichlorobenzene	5.7	U
96-12-8	1,2-Dibromo-3-chloropropane	5.7	U
120-82-1	1,2,4-Trichlorobenzene	5.7	U
87-61-6	1,2,3-Trichlorobenzene	5.7	U

SP
3/9/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP103-013014ME

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238007ME

Sample wt/vol: 5.15 (g/mL) g Lab File ID: LQ48C007

Level: (TRACE/LOW/MED) MED Date Received: 04/01/2010

% Moisture: not dec. 21. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.0 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	370	U
74-87-3	Chloromethane	370	U
75-01-4	Vinyl chloride	370	U
74-83-9	Bromomethane	370	U
75-00-3	Chloroethane	370	U
75-69-4	Trichlorofluoromethane	370	U
75-35-4	1,1-Dichloroethene	370	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	370	U
67-64-1	Acetone	740	U
75-15-0	Carbon disulfide	370	U
79-20-9	Methyl acetate	370	U
75-09-2	Methylene chloride	a MB, TB-I ~~14~~ 370	JB
156-60-5	trans-1,2-Dichloroethene	370	U
1634-04-4	Methyl tert-butyl ether	370	U
75-34-3	1,1-Dichloroethane	370	U
156-59-2	cis-1,2-Dichloroethene	370	U
78-93-3	2-Butanone	740	U
74-97-5	Bromochloromethane	370	U
67-66-3	Chloroform	370	U
71-55-6	1,1,1-Trichloroethane	370	U
110-82-7	Cyclohexane	370	U
56-23-5	Carbon tetrachloride	370	U
71-43-2	Benzene	370	U
107-06-2	1,2-Dichloroethane	370	U
123-91-1	1,4-Dioxane	7400	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/9/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP103-013014ME

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238007ME

Sample wt/vol: 5.15 (g/mL) g Lab File ID: LQ48C007

Level: (TRACE/LOW/MED) MED Date Received: 04/01/2010

% Moisture: not dec. 21. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.0 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	370	U
108-87-2	Methylcyclohexane	370	U
78-87-5	1,2-Dichloropropane	370	U
75-27-4	Bromodichloromethane	370	U
10061-01-5	cis-1,3-Dichloropropene	370	U
108-10-1	4-Methyl-2-Pentanone	740	U
108-88-3	Toluene	370	U
10061-02-6	trans-1,3-Dichloropropene	370	U
79-00-5	1,1,2-Trichloroethane	370	U
127-18-4	Tetrachloroethene	JSQL, MS/SD-J 240	J
591-78-6	2-Hexanone	740	U
124-48-1	Dibromochloromethane	370	U
106-93-4	1,2-Dibromoethane	370	U
108-90-7	Chlorobenzene	370	U
100-41-4	Ethylbenzene	370	U
95-47-6	o-Xylene	370	U
179601-23-1	m,p-Xylene	370	U
100-42-5	Styrene	370	U
75-25-2	Bromoform	370	U
98-82-8	Isopropylbenzene	370	U
79-34-5	1,1,2,2-Tetrachloroethane	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
96-12-8	1,2-Dibromo-3-chloropropane	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
87-61-6	1,2,3-Trichlorobenzene	370	U

SP
3/9/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP103-017018

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238006

Sample wt/vol: 4.77 (g/mL) g Lab File ID: SI93C006

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. 3.0 Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	5.4	U
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
75-35-4	1,1-Dichloroethene	5.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.4	U
67-64-1	Acetone	11.	U
75-15-0	Carbon disulfide	5.4	U
79-20-9	Methyl acetate	5.4	U
75-09-2	Methylene chloride	5.4	U
156-60-5	trans-1,2-Dichloroethene	5.4	U
1634-04-4	Methyl tert-butyl ether	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
156-59-2	cis-1,2-Dichloroethene	5.4	U
78-93-3	2-Butanone	11.	U
74-97-5	Bromochloromethane	5.4	U
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
110-82-7	Cyclohexane	5.4	U
56-23-5	Carbon tetrachloride	5.4	U
71-43-2	Benzene	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
123-91-1	1,4-Dioxane	110	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

5P
3/9/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP103-017018

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238006

Sample wt/vol: 4.77 (g/mL) g Lab File ID: SI93C006

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. 3.0 Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	5.4	U
108-87-2	Methylcyclohexane	5.4	U
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
108-10-1	4-Methyl-2-Pentanone	11.	U
108-88-3	Toluene	5.4 ~~0.11~~	JB U MB-I
10061-02-6	trans-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
127-18-4	Tetrachloroethene	J SQL, MS/SD-I 0.46	J
591-78-6	2-Hexanone	11.	U
124-48-1	Dibromochloromethane	5.4	U
106-93-4	1,2-Dibromoethane	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethylbenzene	5.4	U
95-47-6	o-Xylene	5.4	U
179601-23-1	m,p-Xylene	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
96-12-8	1,2-Dibromo-3-chloropropane	5.4	U
120-82-1	1,2,4-Trichlorobenzene	5.4	U
87-61-6	1,2,3-Trichlorobenzene	5.4	U

SP
3/9/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP104-002004

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238008

Sample wt/vol: 4.62 (g/mL) g Lab File ID: SI96C008

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. 19. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	6.7	U
74-87-3	Chloromethane	6.7	U
75-01-4	Vinyl chloride	6.7	U
74-83-9	Bromomethane	6.7	U
75-00-3	Chloroethane	6.7	U
75-69-4	Trichlorofluoromethane	6.7	U
75-35-4	1,1-Dichloroethene	6.7	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.7	U
67-64-1	Acetone	13.	U
75-15-0	Carbon disulfide	6.7	U
79-20-9	Methyl acetate	6.7	U
75-09-2	Methylene chloride	6.7	U
156-60-5	trans-1,2-Dichloroethene	6.7	U
1634-04-4	Methyl tert-butyl ether	6.7	U
75-34-3	1,1-Dichloroethane	6.7	U
156-59-2	cis-1,2-Dichloroethene	6.7	U
78-93-3	2-Butanone	13.	U
74-97-5	Bromochloromethane	6.7	U
67-66-3	Chloroform	6.7	U
71-55-6	1,1,1-Trichloroethane	6.7	U
110-82-7	Cyclohexane	6.7	U
56-23-5	Carbon tetrachloride	6.7	U
71-43-2	Benzene	6.7	U
107-06-2	1,2-Dichloroethane	6.7	U
123-91-1	1,4-Dioxane	130	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/9/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP104-002004

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238008

Sample wt/vol: 4.62 (g/mL) g Lab File ID: SI96C008

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. 19. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	6.7	U
108-87-2	Methylcyclohexane	6.7	U
78-87-5	1,2-Dichloropropane	6.7	U
75-27-4	Bromodichloromethane	6.7	U
10061-01-5	cis-1,3-Dichloropropene	6.7	U
108-10-1	4-Methyl-2-Pentanone	13.	U
108-88-3	Toluene	6.7	U
10061-02-6	trans-1,3-Dichloropropene	6.7	U
79-00-5	1,1,2-Trichloroethane	6.7	U
127-18-4	Tetrachloroethene	83.	~~J MS/SD-I~~ SP 3/9/11
591-78-6	2-Hexanone	13.	U
124-48-1	Dibromochloromethane	6.7	U
106-93-4	1,2-Dibromoethane	6.7	U
108-90-7	Chlorobenzene	6.7	U
100-41-4	Ethylbenzene	6.7	U
95-47-6	o-Xylene	6.7	U
179601-23-1	m,p-Xylene	6.7	U
100-42-5	Styrene	6.7	U
75-25-2	Bromoform	6.7	U
98-82-8	Isopropylbenzene	6.7	U
79-34-5	1,1,2,2-Tetrachloroethane	6.7	U
541-73-1	1,3-Dichlorobenzene	6.7	U
106-46-7	1,4-Dichlorobenzene	6.7	U
95-50-1	1,2-Dichlorobenzene	6.7	U
96-12-8	1,2-Dibromo-3-chloropropane	6.7	U
120-82-1	1,2,4-Trichlorobenzene	6.7	U
87-61-6	1,2,3-Trichlorobenzene	6.7	U

SP
3/9/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP104-004005

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238011

Sample wt/vol: 5.84 (g/mL) g Lab File ID: SI97C011

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. 14. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10.	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/9/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP104-004005

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238011

Sample wt/vol: 5.84 (g/mL) g Lab File ID: SI97C011

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. 14. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-Pentanone	10.	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	24.	J MS/SD-I
591-78-6	2-Hexanone	10.	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

SP
3/9/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP104-018019

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238012

Sample wt/vol: 4.04 (g/mL) g Lab File ID: SI94C012

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. 19. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	7.7	U
74-87-3	Chloromethane	7.7	U
75-01-4	Vinyl chloride	7.7	U
74-83-9	Bromomethane	7.7	U
75-00-3	Chloroethane	7.7	U
75-69-4	Trichlorofluoromethane	7.7	U
75-35-4	1,1-Dichloroethene	7.7	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7.7	U
67-64-1	Acetone	15.	U
75-15-0	Carbon disulfide	7.7	U
79-20-9	Methyl acetate	7.7	U
75-09-2	Methylene chloride	7.7	U
156-60-5	trans-1,2-Dichloroethene	7.7	U
1634-04-4	Methyl tert-butyl ether	7.7	U
75-34-3	1,1-Dichloroethane	7.7	U
156-59-2	cis-1,2-Dichloroethene	7.7	U
78-93-3	2-Butanone	15.	U
74-97-5	Bromochloromethane	7.7	U
67-66-3	Chloroform	7.7	U
71-55-6	1,1,1-Trichloroethane	7.7	U
110-82-7	Cyclohexane	7.7	U
56-23-5	Carbon tetrachloride	7.7	U
71-43-2	Benzene	7.7	U
107-06-2	1,2-Dichloroethane	7.7	U
123-91-1	1,4-Dioxane	150	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/9/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5P-DP104-018019

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 1009238012

Sample wt/vol: 4.04 (g/mL) g Lab File ID: SI94C012

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. 19. Date Analyzed: 04/08/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	7.7	U
108-87-2	Methylcyclohexane	7.7	U
78-87-5	1,2-Dichloropropane	7.7	U
75-27-4	Bromodichloromethane	7.7	U
10061-01-5	cis-1,3-Dichloropropene	7.7	U
108-10-1	4-Methyl-2-Pentanone	15.	U
108-88-3	Toluene	7.7 ~~0.15~~	JB U MB-L
10061-02-6	trans-1,3-Dichloropropene	7.7	U
79-00-5	1,1,2-Trichloroethane	7.7	U
127-18-4	Tetrachloroethene	J SQL, MS/SD-I 0.53	J
591-78-6	2-Hexanone	15.	U
124-48-1	Dibromochloromethane	7.7	U
106-93-4	1,2-Dibromoethane	7.7	U
108-90-7	Chlorobenzene	7.7	U
100-41-4	Ethylbenzene	7.7	U
95-47-6	o-Xylene	7.7	U
179601-23-1	m,p-Xylene	7.7	U
100-42-5	Styrene	7.7	U
75-25-2	Bromoform	7.7	U
98-82-8	Isopropylbenzene	7.7	U
79-34-5	1,1,2,2-Tetrachloroethane	7.7	U
541-73-1	1,3-Dichlorobenzene	7.7	U
106-46-7	1,4-Dichlorobenzene	7.7	U
95-50-1	1,2-Dichlorobenzene	7.7	U
96-12-8	1,2-Dibromo-3-chloropropane	7.7	U
120-82-1	1,2,4-Trichlorobenzene	7.7	U
87-61-6	1,2,3-Trichlorobenzene	7.7	U

SP 3/9/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EB-040210

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1009239008

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: MV699008

Level: (TRACE/LOW/MED) LOW Date Received: 04/02/2010

% Moisture: not dec. _____ Date Analyzed: 04/07/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	3.8	J
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0 ~~3.0~~	J uTB-I
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10.	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0 ~~3.6~~	JB uMB-I
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/4/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EB-040210

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1009239008

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: MV699008

Level: (TRACE/LOW/MED) LOW Date Received: 04/02/2010

% Moisture: not dec. _____ Date Analyzed: 04/07/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-Pentanone	10.	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10.	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

SP
3/4/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TripBlank

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1009238013

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: MV708013

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. _____ Date Analyzed: 04/07/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	2.2	J JSQL-I
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10.	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0 ~~2.9~~	JB UMB-I
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SP
3/9/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TripBlank

Lab Name: ALS Laboratory Group Contract: 226583

Lab Code: DATAC Case No.: 5 Mod. Ref No.: _____ SDG No.: URSVB1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1009238013

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: MV708013

Level: (TRACE/LOW/MED) LOW Date Received: 04/01/2010

% Moisture: not dec. _____ Date Analyzed: 04/07/2010

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-Pentanone	10.	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10.	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

SP
3/9/11

Five Points
Remedial Investigation
Data Review Summary

Sample Delivery Group: URSVB1
Sampling Date: April 1st and 2nd, 2010
Data Reviewer: Sam Percy Date Completed: March 3, 2011
Peer Reviewer: Sheri O'Connor Date Completed: March 3, 2011

The table below summarizes the data packages and sample identifications discussed in this data review.

Field Identification	Sample Type	Lab Identification	Matrix	Analyses	
				VOCs	Percent Moisture
1009238					
5P-DP101-004005	SA	1009238001	Soil	X	X
5P-DP101-014015	SA	1009238002	Soil	X	X
5P-DP101-024025	SA	1009238003	Soil	X	X
5P-DP101-001004	SA	1009238004	Soil	X	X
5P-DP103-002004	SA	1009238005	Soil	X	X
5P-DP103-017018	SA	1009238006	Soil	X	X
5P-DP103-013014	SA	1009238007	Soil	X	X
5P-DP103-013014ME	SA	1009238007ME	Soil	X	X
5P-DP104-002004	SA	1009238008	Soil	X[m]	X
5P-DP104-004005	SA	1009238011	Soil	X	X
5P-DP104-018019	SA	1009238012	Soil	X	X
Trip Blank	SA	1009238013	Water	X	---
1009239					
Trip Blank	SA	1009239001	Water	X	---
5P-DP102-004005	SA	1009239002	Soil	X	X
5P-DP102-008009	SA	1009239003	Soil	X	X
5P-DP102-008009-Y	FD	1009239004	Soil	X	X
5P-DP102-012013	SA	1009239005	Soil	X	X
5P-DP102-017018	SA	1009239006	Soil	X	X
5P-DP102-019020	SA	1009239007	Soil	X	X
EB-040210	EB	1009239008	Water	X	---
5pts-YVC-Soil-NW-1[1]	SA	---	Soil	X	---
5pts-YVC-Soil-NE-1[1]	SA	---	Soil	X	---
5pts-YVC-Soil-SE-1[1]	SA	---	Soil	X	---

Field Identification	Sample Type	Lab Identification	Matrix	Analyses	
				VOCs	Percent Moisture
5pts-YVC-Soil-SW-1[1]	SA	---	Soil	X	---
5pts-YVC-under-Mid-Pipe[2]	SA	---	Soil	X	---
5pts-YVC-under-South-Pipe[2]	SA	---	Soil	X	---
5pts-YVC-under-North-Pipe[2]	SA	---	Soil	X	---

Sample Type: SA = Sample TB = Trip Blank FD = Field Duplicate EB = Equipment Blank
X^m = Matrix spike and/or matrix spike duplicate.
Analyses: VOC = Volitile Organic Compounds
[1]Samples were placed on hold and based on preliminary analytical results were not analyzed.
[2]Sample results were reported in data package 1009237

This report contains the final results of the data validation conducted for water samples collected in April 2010 for the Five Points PCE Plume Site Remedial Investigation. The sample results were presented in one data package. The data review was conducted in accordance with the Quality Assurance Project Plan for the Five Points PCE Plume Site Remedial Investigation (URS, October2009) and evaluation of laboratory criteria, as applicable.

General Overall Assessment:

_____ Data are usable without qualification.
__X__ Data are usable with qualification (noted below).
_____ Some or all data are unusable for any purpose (detailed below).

Case Narrative Comments: Any case narrative comments concerning data qualification were address was noted in the table below.

Trace level detects, reported between the method detection limit (MDL) and the practical quantitation limit (PQL), have been qualified as estimated (J). All other exceptions are covered in the following table.

Review Parameter	Criteria Met?	Comments
Chain of Custody (COC) & Sample Receipt	No	**1009238** The samples were received by ALS Laboratory Group in good condition and were consistent with the accompanying COC. The cooler temperature upon receipt was 8°C, above the recommended ≤6°C temperature criterion. The samples were collected on the 1st and 2nd of April, kept on ice, and hand-delivered to the laboratory. As the cooler temperature did not have adequate time to reach the ≤6°C criterion, data qualification based upon preservation was not considered necessary. **1009239** The samples were received by ALS Laboratory Group in good condition and were consistent with the accompanying COC. The cooler temperature upon receipt was 3°C, within the recommended ≤6°C temperature criterion. Data qualification was not required.

Review Parameter	Criteria Met?	Comments
Holding Times	Yes	All samples were analyzed within the method required holding time. Data qualification was not required.
Laboratory Blanks • Method Blank	No	With the exceptions listed in Table 1, target analytes were not detected within the method blanks.
Matrix Quality Control • Matrix Spike/ Matrix Spike Duplicate (MS/ MSD) *5P-DP104-002004 (VOCs)*	Yes	The MS and MSD percent recoveries and the relative percentage diference(RPD) between MS and MSD met the quality control criteria. Data qualfication was not required. A collective assessment of matrix spike and matrix spike duplicates is discussed in the overall assessment (Section I).
Laboratory Performance • Laboratory Control Sample/ Laboratory Control Sample Duplicate (LCS/ LCSD)	NA	LCS and LCSD percent recoveries were not reported in association with the samples in this data package because method SOMO1.2 does not require LCS and LCSDs. Data qualification was not considered necessary.
Method Quality Control • Surrogates	Yes	Surrogate recoveries for the groundwater samples collected for this event met the laboratory control limits. Data qualification was not required.
Field Quality Control • Trip Blank (TB) **1009238** *Trip Blank* **1009239** *Trip Blank* • Field Duplicate (FD) *5P-DP102-008009/5P-DP102-008009-Y* • Equipment Blank (EB) *EB-040210*	No	**Trip Blank** With the exception listed in Table 2, target analytes were not detected in the trip blank. **Field Duplicate** The comparison between results of the field duplicate pair met the acceptance criteria listed below: • When both the sample and duplicate values are >5xRL, acceptable sampling and analytical precision is indicated by an RPD between the results of 30%. • Where the result for one or both analytes of the field duplicate pair is <5xRL, satisfactory precision is indicated if the absolute difference between the field duplicate results is <2xRL. Data qualification was not required. A collective assessment of field duplicates is discussed in the overall assessment (Section I). **Equipment Blank** With the exception listed in Table 3, no target analytes were detected in the equipment blank. A collective assessment of equipment blanks is discussed in the overall assessment (Section I).
Non-detect results with unaltered reporting limits (RLs)	Yes	No analyses were performed at dilutions. Therefore, there were no non-detect results with elevated reporting limits. Data qualification was not considered necessary.
Results Usable?	Yes	No results were qualified as unusable and the data are 100% complete.

VOCs – Volatile Organic Compounds J/UJ – estimated

Table 1: Method Blank Outliers and Resultant Data Qualification

Blank	Analyte	Concentration (µg/L)	Qualification
VBLKM1	Methylene Chloride	21	The sample 5P-DP102-008009-Y and 5P-DP103-013014ME methylene chloride results were reported at concentrations <10x the concentration of blank contamination and were qualified as non-detect at the reporting limit (U MB-I).
VBLKS1	Toluene	0.14	The associated detected sample toluene results reported at concentrations <5x the concentration of blank contamination were qualified as non-detect at the reporting limit (U MB-I).
	1,2,4-Trichlorobenzene	0.35	None. The associated sample results were all reported as non-detect.
	1,2,3-Trichlorobenzene	0.68	
VBLKW1	Chloroform	2.2	The associated detected sample chloroform results reported at concentrations <5x the concentration of blank contamination were qualified as non-detect at the reporting limit (U MB-I).

MB – Method Blank U – Non-detect µg/L – Micrograms per Liter < – Less Than
> – Greater Than I – Indeterminate bias

Table 2: Trip Blank Outliers and Resultant Data Qualification

Analyte	Concentration (µg/L)	Qualification
1009238		
Methylene Chloride	2.2	The associated sample detected methylene chloride results reported at concentrations <10x the concentration of blank contamination were qualified as non-detect at the reporting limit (U TB-I).
1009239		
Methylene Chloride	2.5	The associated sample detected methylene chloride results reported at concentrations <10x the concentration of blank contamination were qualified as non-detect at the reporting limit (U TB-I).

µg/L – Micrograms per Liter TB – Trip Blank U – Non-detect
< – Less Than I – Indeterminate Bias

Table 3: Equipment Blank Outliers and Resultant Data Qualification

Analyte	Concentration (µg/kg)	Qualification
Carbon Disulfide	3.8	None. The associated sample results were all reported as non-detect.

µg/kg – Micrograms per kilogram

1.0 SUMMARY

Overall, the sample results collected at the Five Points Tetrachloroethene (PCE) Plume Site located in Davis County, Utah, are valid and usable. The quality control (QC) sample results indicate good accuracy and precision for the sampling and analysis procedures. There were no rejected results and data can be used for its intended purpose.

1.1 Data Assessment

All samples collected and analyzed for the Five Points PCE Plume site were assessed and validated according to the guidance set forth in the Final *Quality Assurance Project Plan for the Remedial Investigation at the Five Points PCE Plume Site* (URS, 2009). Groundwater samples were collected during seven events (November 2011, February 2012, April 2012, May 2012, August 2012, November 2012, and February 2013). All samples were collected and analyzed for volatile organic compounds using Method SOM01.2 by ALS laboratory Group:

- V1211 – November 2011: 5 field samples, 1 field duplicate (FD) sample, 1 set of matrix spike (MS)/matrix spike duplicate (MSD), and 2 trip blanks (TBs)
- TV212 – February 2012: 12 field samples, 1 FD, 1 set of MS/MSD and 1 TB
- TV412 – April 2012: 5 field samples, one FD, 1 MS/MSD, and 1 TB
- TV512 – May 2012: 15 field samples 2 FDs,1 MS/MSD, and 1TB
- TV812 – August 2012: 19 field samples, 1 FD, 1 MS/MSD, and 1 TB
- TV1212 – November 2012: 19 field samples, 1 FD, 1 MS/MSD, and 1 TB
- TV213 – February 2013: 20 field samples, 1 FD, 1 MS/MSD, and 1 TB

The data were evaluated based on the following parameters:

(*) - sample integrity
(*) - initial calibration
( ) - continuing calibration
( ) - laboratory blank analysis
( ) - trip blank analysis
(*) - matrix spike recoveries and RPDs
( ) - surrogate spikes recoveries
( ) - reporting limits
(*) - data completeness

(*) - Quality control parameters were met; no results were qualified.

Samples were checked for holding time compliance as well as sample integrity. The cooler receipt forms indicated that some samples arrived at the lab with the temperatures above the recommended 4 degrees Celsius. A few samples were also not preserved to a pH of 2. However, no sample results were qualified because the samples were all analyzed within seven days. All samples indicated on the chain of custody records were analyzed.

Table 1 lists all qualified results. The following bullets summarize the qualified results:

A total of 367 sample results (field samples including diluted samples are FD samples) are qualified

- One hundred eighty-six results are each qualified as estimated concentrations (J). One hundred thirteen results are qualified because they were detected between the reporting limit (RL) and the detection limit (DL); one of these results is also associated with a surrogate spike (SS) that did not meet the recovery limits. Fifty-seven results are estimated because these are tentatively identified compounds (TICs) where there is no associated calibration; one of these results is also associated with SS recovery that did not meet the limits. Nine results are qualified as estimated because the results exceeded the calibration range. Five results are qualified for SS recoveries. Two results are qualified for field duplicate imprecision.
- Eighty-seven results are qualified as “not detected” (U) because the associated analyte was detected in the TB and/or method blank. Many of these qualified results are also associated with SS recoveries that did not meet the limits and/or detections between the RL and DL.
- Seventy-three non-detect results are qualified (UJ). Forty-five results are associated with low SS recoveries, and 28 are associated with low continuing calibration recoveries.
- Twenty-one results are flagged “NJ”. These results are TICs where there is a presumptive identification; however, there are no associated calibration results. Two of these results are also associated with SS recoveries that did not meet the project limits.

Data results qualified with a “J” should be interpreted as estimated concentrations. Data results qualified with a “UJ” should be interpreted as not detected with an estimated reporting limit; the result was not detected, however, quality control limits were not met and the result has a potential to be a false negative result. A “U” flag indicates that the detected analyte is an artifact of external contamination and not indicative of site conditions. An “NJ” indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification and the associated result is an approximate concentration.

Sampling Event	Client Sample ID	Collection Date	Analyte	Laboratory Data Qualifier	Data Validation Flag	Qualifier Code	Result	MDL	RL	Units	Dilution
V1211	WC#2-143148	11/16/2011	Methylene chloride	J	U	MB,SQL	0.27	0.0249	0.5	µg/L	1
V1211	WC#2-143148Y	11/16/2011	Methylene chloride	J	U	MB,SQL	0.33	0.0249	0.5	µg/L	1
V1211	WC#2-155158	11/16/2011	Methylene chloride		U	MB	0.95	0.0249	0.5	µg/L	1
V1211	WC#2-175180	11/16/2011	Methylene chloride	J	U	MB,SQL	0.26	0.0249	0.5	µg/L	1
V1211	WC#2-092110	11/17/2011	Chloromethane	J	J	SQL	0.14	0.0582	0.5	µg/L	1
V1211	WC#2-092110	11/17/2011	Methylene chloride		U	MB	0.52	0.0249	0.5	µg/L	1
V1211	WC#2-114128	11/17/2011	Methylene chloride		U	MB	0.69	0.0249	0.5	µg/L	1
TV212	5P-MW101-158	2/2/2012	Chloroform	J	J	SQL	0.36	0.082	0.5	µg/L	1
TV212	5P-MW101-158	2/2/2012	Trichloroethene	J	J	SQL	0.19	0.0674	0.5	µg/L	1
TV212	5P-MW101-158	2/2/2012	1,2,3-Trichlorobenzene	U	UJ	CCAL	0.5	0.295	0.5	µg/L	1
TV212	5P-MW103-115	2/2/2012	Tetrachloroethene	J	U	MB,SQL	0.19	0.0758	0.5	µg/L	1
TV212	5P-MW104-120	2/2/2012	Tetrachloroethene	E	J	I	28	0.0758	0.5	µg/L	1
TV212	5P-MW104-120	2/2/2012	1,2,3-Trichlorobenzene	U	UJ	CCAL	0.5	0.295	0.5	µg/L	1
TV212	5P-MW104-120DL	2/2/2012	1,2,3-Trichlorobenzene	U	UJ	CCAL	2	0.295	2	µg/L	4
TV212	5P-MW105-146	2/2/2012	Methylene chloride	J	J	SQL	0.18	0.0249	0.5	µg/L	1
TV212	5P-MW105-146	2/2/2012	1,2,3-Trichlorobenzene	U	UJ	CCAL	0.5	0.295	0.5	µg/L	1
TV212	5P-MW106D-197	2/2/2012	Carbon disulfide	J	J	SQL	0.49	0.138	0.5	µg/L	1
TV212	5P-MW106D-197	2/2/2012	Methylene chloride	J	J	SQL	0.13	0.0249	0.5	µg/L	1
TV212	5P-MW106D-197	2/2/2012	Unknown 1-Butene	J	J	TIC	0.56			µg/L	1
TV212	5P-MW106D-197	2/2/2012	Unknown trans-1-Butene,1-butox	J	J	TIC	0.86			µg/L	1
TV212	5P-MW106D-197	2/2/2012	Unknown 1-Isobutoxy-2-ethylhex	J	J	TIC	15			µg/L	1
TV212	5P-MW106D-197	2/2/2012	Total Alkanes	J	J	TIC	0.62			µg/L	1
TV212	5P-MW106I-146	2/2/2012	Carbon disulfide	J	J	SQL	0.3	0.138	0.5	µg/L	1
TV212	5P-MW106I-146	2/2/2012	Propene	JN	NJ	TIC	5.2			µg/L	1
TV212	5P-MW106I-146	2/2/2012	Unknown 1-Propene, 2-methyl-	J	J	TIC	0.5			µg/L	1
TV212	5P-MW106I-146	2/2/2012	Unknown 1-Butoxy-2-ethylhexane	J	J	TIC	1.3			µg/L	1
TV212	5P-MW106I-146	2/2/2012	Total Alkanes	J	J	TIC	2			µg/L	1
TV212	5P-MW106I-146Y	2/2/2012	Carbon disulfide	J	J	SQL	0.3	0.138	0.5	µg/L	1
TV212	5P-MW106I-146Y	2/2/2012	Propene	JN	NJ	TIC	6.1			µg/L	1
TV212	5P-MW106I-146Y	2/2/2012	Unknown 1-Butene	J	J	TIC	0.53			µg/L	1
TV212	5P-MW106I-146Y	2/2/2012	1-Pentene	JN	NJ	TIC	0.87			µg/L	1
TV212	5P-MW106I-146Y	2/2/2012	Total Alkanes	J	J	TIC	1.3			µg/L	1
TV212	5P-MW106S-066	2/2/2012	Chloromethane	J	J	SQL	0.13	0.0582	0.5	µg/L	1
TV212	5P-MW106S-066	2/2/2012	Unknown Propane, 2-isothiocyan	J	J	TIC	1.1			µg/L	1
TV212	5P-MW106S-066	2/2/2012	Unknown 1-Hexanol, 2-ethyl-	J	J	TIC	5.1			µg/L	1
TV212	5P-MW107D-203	2/2/2012	Propene	JN	NJ	TIC	2.4			µg/L	1
TV212	5P-MW107D-203	2/2/2012	Unknown Methyl nitrite	J	J	TIC	2.2			µg/L	1
TV212	5P-MW107I-145	2/2/2012	Unknown Methyl nitrite	J	J	TIC	0.56			µg/L	1
TV212	5P-MW107I-145	2/2/2012	Total Alkanes	J	J	TIC	0.55			µg/L	1
TV212	5P-MW107S-066	2/2/2012	Chloromethane	J	J	SQL	0.11	0.0582	0.5	µg/L	1
TV212	5P-MW107S-066	2/2/2012	1,2,3-Trichlorobenzene	U	UJ	CCAL	0.5	0.295	0.5	µg/L	1
TV212	5P-MW107S-066MS	2/2/2012	1,2,3-Trichlorobenzene	U	UJ	CCAL	0.5	0.295	0.5	µg/L	1
TV212	5P-MW107S-066MSD	2/2/2012	1,2,3-Trichlorobenzene	U	UJ	CCAL	0.5	0.295	0.5	µg/L	1
TV212	5P-MW1-2004-109	2/2/2012	cis-1,2-Dichloroethene	J	J	SQL	0.21	0.1	0.5	µg/L	1
TV212	5P-MW1-2004-109	2/2/2012	Tetrachloroethene	E	J	I	46	0.0758	0.5	µg/L	1
TV212	5P-MW1-2004-109	2/2/2012	1,2,3-Trichlorobenzene	U	UJ	CCAL	0.5	0.295	0.5	µg/L	1
TV212	5P-MW1-2004-109DL	2/2/2012	Methyl tert-butyl ether	JD	J	SQL	0.76	0.111	2.5	µg/L	5

Sampling Event	Client Sample ID	Collection Date	Analyte	Laboratory Data Qualifier	Data Validation Flag	Qualifier Code	Result	MDL	RL	Units	Dilution
TV212	5P-MW1-2004-109DL	2/2/2012	1,2,3-Trichlorobenzene	U	UJ	CCAL	2.5	0.295	2.5	µg/L	5
TV212	5P-MW2-2004-110	2/2/2012	Unknown Ethene, fluoro-	J	J	TIC	0.98			µg/L	1
TV212	Trip Blank 2/2/12	2/2/2012	Tetrachloroethene	J	J	SQL	0.14	0.0758	0.5	µg/L	1
TV212	Trip Blank 2/2/12	2/2/2012	1,2,3-Trichlorobenzene	U	UJ	CCAL	0.5	0.295	0.5	µg/L	1
TV412	Freda-218221	4/6/2012	Methylene chloride	J	U	FB	0.16	0.0249	0.5	µg/L	1
TV412	Freda-218221	4/6/2012	Tetrachloroethene		J	FD	1.9	0.0758	0.5	µg/L	1
TV412	Freda-218221-Y	4/6/2012	Methylene chloride	J	U	FB	0.12	0.0249	0.5	µg/L	1
TV412	Freda-218221-Y	4/6/2012	Tetrachloroethene		J	FD	2.6	0.0758	0.5	µg/L	1
TV412	Freda-333336	4/6/2012	Methylene chloride	J	U	FB	0.15	0.0249	0.5	µg/L	1
TV412	Freda-363366	4/6/2012	Methylene chloride	J	U	FB	0.15	0.0249	0.5	µg/L	1
TV412	Freda-418421	4/6/2012	Methylene chloride	J	U	FB	0.17	0.0249	0.5	µg/L	1
TV412	Trip Blank-040612	4/6/2012	Acetone	B	U	MB	11	2.22	5	µg/L	1
TV412	Freda-193196	4/6/2012	Methylene chloride	J	U	FB	0.2	0.0249	0.5	µg/L	1
TV512	5P-MW107i-145148	5/15/2012	Acetone	J	U	FB,SQL	3.4	2.22	5	µg/L	1
TV512	5P-MW107i-145148	5/15/2012	Methylene chloride	J	U	FB,SQL	0.16	0.0249	0.5	µg/L	1
TV512	5P-MW107i-145148	5/15/2012	Hexanal	JN	NJ	TIC	0.5			µg/L	1
TV512	5P-MW107i-145148	5/15/2012	Octanal	JN	NJ	TIC	0.85			µg/L	1
TV512	5P-MW107i-145148	5/15/2012	Nonanal	JN	NJ	TIC	1			µg/L	1
TV512	5P-Freda-418421	5/15/2012	Methylene chloride	J	U	FB,SQL	0.31	0.0249	0.5	µg/L	1
TV512	5P-MW22004-111114	5/15/2012	Methylene chloride	J	U	FB,SQL	0.14	0.0249	0.5	µg/L	1
TV512	5P-MW106d-189192	5/15/2012	Acetone		U	FB,SURR	6	2.22	5	µg/L	1
TV512	5P-MW106d-189192	5/15/2012	Carbon disulfide	J	J	SQL,SURR	0.14	0.138	0.5	µg/L	1
TV512	5P-MW106d-189192	5/15/2012	Methylene chloride	J	U	FB,SURR,SQL	0.14	0.0249	0.5	µg/L	1
TV512	5P-MW106d-189192	5/15/2012	Trichloroethene	J	J	SQL,SURR	0.13	0.0674	0.5	µg/L	1
TV512	5P-MW106d-189192	5/15/2012	Toluene	J	J	SQL,SURR	0.37	0.0748	0.5	µg/L	1
TV512	5P-MW106d-189192	5/15/2012	Tetrachloroethene		J(H)	SURR	1.2	0.0758	0.5	µg/L	1
TV512	5P-MW106d-189192	5/15/2012	Hexanal, 2-ethyl-	JN	NJ	TIC	1.4			µg/L	1
TV512	5P-MW106d-189192	5/15/2012	Unknown 1-Hexanol, 2-ethyl-	J	J	TIC	0.59			µg/L	1
TV512	5P-MW103-116119	5/15/2012	Methylene chloride	J	U	FB,SQL	0.12	0.0249	0.5	µg/L	1
TV512	5P-MW103-116119	5/15/2012	Tetrachloroethene	J	J	SQL	0.19	0.0758	0.5	µg/L	1
TV512	5P-MW105-146149	5/15/2012	Acetone	J	U	FB,SQL	3.7	2.22	5	µg/L	1
TV512	5P-MW105-146149	5/15/2012	Tetrachloroethene	J	J	SQL	0.26	0.0758	0.5	µg/L	1
TV512	5P-MW107d-200203	5/15/2012	Acetone		U	FB	6.2	2.22	5	µg/L	1
TV512	5P-MW107d-200203	5/15/2012	Methylene chloride	J	U	FB,SQL	0.34	0.0249	0.5	µg/L	1
TV512	5P-MW107d-200203	5/15/2012	Toluene	J	J	SQL	0.29	0.0748	0.5	µg/L	1
TV512	5P-MW107d-200203	5/15/2012	Propene	JN	NJ	TIC	5.1			µg/L	1
TV512	5P-MW107d-200203	5/15/2012	1-Hexanol, 2-ethyl-	JN	NJ	TIC	3.7			µg/L	1
TV512	5P-MW107d-200203	5/15/2012	Total Alkanes	JN	J	TIC	0.7			µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Dichlorodifluoromethane	U	UJ	SURR	0.5	0.0637	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Chloromethane	U	UJ	SURR	0.5	0.0582	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Vinyl chloride	U	UJ	SURR	0.5	0.0663	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Bromomethane	U	UJ	SURR	0.5	0.0721	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Chloroethane	U	UJ	SURR	0.5	0.076	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Trichlorofluoromethane	U	UJ	SURR	0.5	0.0779	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	1,1-Dichloroethene	U	UJ	SURR	0.5	0.0749	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	1,1,2-Trichloro-1,2,2-trifluor	U	UJ	SURR	0.5	0.0798	0.5	µg/L	1

Sampling Event	Client Sample ID	Collection Date	Analyte	Laboratory Data Qualifier	Data Validation Flag	Qualifier Code	Result	MDL	RL	Units	Dilution
TV512	5P-MW107d-200203-Y	5/15/2012	Acetone		U	FB,SURR	5.6	2.22	5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Carbon disulfide		J(L)	SURR	0.53	0.138	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Methyl acetate		J(L)	SURR	3.6	0.209	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Methylene chloride	J	U	FB,SURR,SQL	0.24	0.0249	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	trans-1,2-Dichloroethene	U	UJ	SURR	0.5	0.0582	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Methyl tert-butyl ether	U	UJ	SURR	0.5	0.111	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	1,1-Dichloroethane	U	UJ	SURR	0.5	0.0789	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	cis-1,2-Dichloroethene	U	UJ	SURR	0.5	0.1	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	2-Butanone	U	UJ	SURR	5	1.87	5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Bromochloromethane	U	UJ	SURR	0.5	0.09	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Chloroform	U	UJ	SURR	0.5	0.082	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	1,2-Dichloroethane	U	UJ	SURR	0.5	0.134	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	1,1,1-Trichloroethane	U	UJ	SURR	0.5	0.0619	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Cyclohexane	U	UJ	SURR	0.5	0.0584	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Carbon tetrachloride	U	UJ	SURR	0.5	0.061	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Benzene	U	UJ	SURR	0.5	0.0759	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Trichloroethene	U	UJ	SURR	0.5	0.0674	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Methylcyclohexane	U	UJ	SURR	0.5	0.101	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	1,2-Dichloropropane	U	UJ	SURR	0.5	0.101	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Bromodichloromethane	U	UJ	SURR	0.5	0.249	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	cis-1,3-Dichloropropene	U	UJ	SURR	0.5	0.12	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	trans-1,3-Dichloropropene	U	UJ	SURR	0.5	0.148	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	1,1,2-Trichloroethane	U	UJ	SURR	0.5	0.155	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Dibromochloromethane	U	UJ	SURR	0.5	0.142	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	4-Methyl-2-Pentanone	U	UJ	SURR	5	1.17	5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Toluene	J	J(L)	SURR,SQL	0.29	0.0748	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Tetrachloroethene		J(L)	SURR	1.3	0.0758	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	2-Hexanone	U	UJ	SURR	5	1.45	5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	1,2-Dibromoethane	U	UJ	SURR	0.5	0.0843	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Chlorobenzene	U	UJ	SURR	0.5	0.0835	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Ethylbenzene	U	UJ	SURR	0.5	0.0753	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	m,p-Xylene	U	UJ	SURR	0.5	0.0934	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	o-Xylene	U	UJ	SURR	0.5	0.0819	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Styrene	U	UJ	SURR	0.5	0.0853	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Isopropylbenzene	U	UJ	SURR	0.5	0.0768	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	1,1,2,2-Tetrachloroethane	U	UJ	SURR	0.5	0.156	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Bromoform	U	UJ	SURR	0.5	0.106	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	1,3-Dichlorobenzene	U	UJ	SURR	0.5	0.112	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	1,4-Dichlorobenzene	U	UJ	SURR	0.5	0.0751	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	1,2-Dichlorobenzene	U	UJ	SURR	0.5	0.0752	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	1,2-Dibromo-3-chloropropane	U	UJ	SURR	0.5	0.19	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	1,2,4-Trichlorobenzene	U	UJ	SURR	0.5	0.119	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	1,2,3-Trichlorobenzene	U	UJ	SURR	0.5	0.295	0.5	µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Propene	JN	NJ(L)	SURR,TIC	5.2			µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	1-Pentene	JN	NJ(L)	SURR,TIC	1.4			µg/L	1
TV512	5P-MW107d-200203-Y	5/15/2012	Unknown 1-Hexanol, 2-ethyl-	J	J(L)	SURR,TIC	6.2			µg/L	1
TV512	5P-MW106i-145148	5/15/2012	Acetone	J	U	FB,SQL	3.7	2.22	5	µg/L	1

Sampling Event	Client Sample ID	Collection Date	Analyte	Laboratory Data Qualifier	Data Validation Flag	Qualifier Code	Result	MDL	RL	Units	Dilution
TV512	5P-MW106i-145148	5/15/2012	Methylene chloride	J	U	FB,SQL	0.23	0.0249	0.5	µg/L	1
TV512	5P-MW106i-145148	5/15/2012	1-Hexanol, 2-ethyl-	JN	NJ	TIC	2.3			µg/L	1
TV512	5P-Freda-193196	5/15/2012	Acetone	J	U	FB,SQL	4.9	2.22	5	µg/L	1
TV512	5P-Freda-193196	5/15/2012	Methylene chloride	J	U	FB,SQL	0.21	0.0249	0.5	µg/L	1
TV512	5P-Freda-218221	5/15/2012	Methylene chloride	J	U	FB,SQL	0.4	0.0249	0.5	µg/L	1
TV512	5P-Freda-333336	5/15/2012	Acetone		U	FB	5.2	2.22	5	µg/L	1
TV512	5P-Freda-363366	5/15/2012	Acetone	J	U	FB,SQL	2.4	2.22	5	µg/L	1
TV512	5P-Freda-363366	5/15/2012	Methyl acetate	U	U	FB,SQL	0.5	0.209	0.5	µg/L	1
TV512	5P-Freda-363366	5/15/2012	Trichloroethene	J	J	SQL	0.11	0.0674	0.5	µg/L	1
TV512	5P-Freda-363366	5/15/2012	Toluene	J	J	SQL	0.11	0.0748	0.5	µg/L	1
TV512	5P-Freda-363366	5/15/2012	o-Xylene	J	J	SQL	0.12	0.0819	0.5	µg/L	1
TV512	5P-MW101-158161	5/15/2012	Acetone	J	U	FB,SQL	3.5	2.22	5	µg/L	1
TV512	5P-MW101-158161	5/15/2012	Trichloroethene	J	J	SQL	0.11	0.0674	0.5	µg/L	1
TV512	5P-MW101-158161	5/15/2012	1-Hexanol, 2-ethyl-	JN	NJ	TIC	1.8			µg/L	1
TV512	5P-MW12004-109112	5/15/2012	Methylene chloride	J	U	FB,SQL	0.16	0.0249	0.5	µg/L	1
TV512	5P-MW12004-109112	5/15/2012	Carbon tetrachloride	J	J	SQL	0.14	0.061	0.5	µg/L	1
TV512	5P-MW12004-109112	5/15/2012	Trichloroethene	J	J	SQL	0.1	0.0674	0.5	µg/L	1
TV512	5P-MW12004-109112	5/15/2012	1-Hexanol, 2-ethyl-	JN	NJ	TIC	1.5			µg/L	1
TV512	5P-MW104-119122	5/15/2012	Chloromethane	J	J	SQL	0.23	0.0582	0.5	µg/L	1
TV512	5P-MW104-119122	5/15/2012	Acetone	J	U	FB,SQL	3.1	2.22	5	µg/L	1
TV512	Trip Blank 05/15/12	5/15/2012	Acetone	J	J	SQL	4.4	2.22	5	µg/L	1
TV512	Trip Blank 05/15/12	5/15/2012	Methylene chloride	J	J	SQL	0.45	0.0249	0.5	µg/L	1
TV812	5P-MW101-158	8/30/2012	Acetone	J	U	FB,SQL	2.1	2.22	5	µg/L	1
TV812	5P-MW101-158	8/30/2012	Methylene chloride		U	FB	13	0.0249	0.5	µg/L	1
TV812	5P-MW108D-214	8/30/2012	Acetone	J	U	FB,SQL,SURR	4.6	2.22	5	µg/L	1
TV812	5P-MW108D-214	8/30/2012	Methylene chloride	J	U	FB,SQL,SURR	0.27	0.0249	0.5	µg/L	1
TV812	5P-MW108D-214	8/30/2012	Methyl tert-butyl ether	J	J	SQL,SURR	0.22	0.111	0.5	µg/L	1
TV812	5P-MW108D-214	8/30/2012	Tetrachloroethene		J(H)	SURR	7.2	0.0758	0.5	µg/L	1
TV812	5P-Freda-196	8/30/2012	Acetone	J	U	FB,SQL	2.7	2.22	5	µg/L	1
TV812	5P-Freda-196	8/30/2012	Methylene chloride	J	U	FB,SQL	0.18	0.0249	0.5	µg/L	1
TV812	5P-Freda-196	8/30/2012	Total Alkanes	J	J	TIC	1.3			µg/L	1
TV812	5P-Freda-221	8/30/2012	Acetone	J	U	FB,SQL	2.3	2.22	5	µg/L	1
TV812	5P-Freda-221	8/30/2012	Methylene chloride	J	U	FB,SQL	0.38	0.0249	0.5	µg/L	1
TV812	5P-Freda-221	8/30/2012	Trichloroethene	J	J	SQL,SURR	0.11	0.0674	0.5	µg/L	1
TV812	5P-Freda-221	8/30/2012	Total Alkanes	J	J	TIC	4.5			µg/L	1
TV812	5P-Freda-336	8/30/2012	Methylene chloride		U	FB	12	0.0249	0.5	µg/L	1
TV812	5P-Freda-336	8/30/2012	Trichloroethene	J	J	SQL,SURR	0.15	0.0674	0.5	µg/L	1
TV812	5P-Freda-336	8/30/2012	Unknown 1-Propene, 2-methyl-	J	J	TIC	0.59			µg/L	1
TV812	5P-Freda-336	8/30/2012	Total Alkanes	J	J	TIC	5.8			µg/L	1
TV812	5P-MW109I-169	8/30/2012	Chloromethane	J	J	SQL	0.14	0.0582	0.5	µg/L	1
TV812	5P-MW109I-169	8/30/2012	Acetone	J	U	FB,SQL	2.5	2.22	5	µg/L	1
TV812	5P-MW109I-169	8/30/2012	Methylene chloride		U	FB	7.9	0.0249	0.5	µg/L	1
TV812	5P-MW109I-169	8/30/2012	Toluene	J	J	SQL	0.11	0.0748	0.5	µg/L	1
TV812	5P-MW109I-169	8/30/2012	Unknown Octanal	J	J	TIC	0.76			µg/L	1
TV812	5P-MW109I-169	8/30/2012	Unknown Nonanal	J	J	TIC	0.77			µg/L	1
TV812	5P-MW109D-230	8/30/2012	Chloromethane	J	J	SQL	0.11	0.0582	0.5	µg/L	1
TV812	5P-MW109D-230	8/30/2012	Acetone		U	FB	5.5	2.22	5	µg/L	1

Sampling Event	Client Sample ID	Collection Date	Analyte	Laboratory Data Qualifier	Data Validation Flag	Qualifier Code	Result	MDL	RL	Units	Dilution
TV812	5P-MW109D-230	8/30/2012	Methylene chloride	B	U	FB,MB	3.4	0.0249	0.5	µg/L	1
TV812	5P-MW109D-230	8/30/2012	1,2-Dichloroethane	J	J	SQL	0.46	0.134	0.5	µg/L	1
TV812	5P-MW109D-230	8/30/2012	Toluene	J	J	SQL	0.15	0.0748	0.5	µg/L	1
TV812	5P-MW109D-230	8/30/2012	Tetrachloroethene	J	J	SQL	0.26	0.0758	0.5	µg/L	1
TV812	5P-MW110I-208	8/30/2012	Acetone	J	U	FB,SQL	4.2	2.22	5	µg/L	1
TV812	5P-MW110I-208	8/30/2012	Tetrachloroethene	J	J	SQL	0.3	0.0758	0.5	µg/L	1
TV812	5P-MW110D-301	8/30/2012	Acetone		U	FB	11	2.22	5	µg/L	1
TV812	5P-MW110D-301	8/30/2012	Methylene chloride	B	U	FB,MB	3.3	0.0249	0.5	µg/L	1
TV812	5P-MW110D-301	8/30/2012	Toluene	J	J	SQL	0.13	0.0748	0.5	µg/L	1
TV812	5P-MW110D-301	8/30/2012	Total Alkanes	J	J	TIC	1.5			µg/L	1
TV812	5P-MW106I-145	9/5/2012	Acetone	J	U	FB,SQL	2.7	2.22	5	µg/L	1
TV812	5P-MW106I-145	9/5/2012	Unknown Carbonyl sulfide	J	J	TIC	3.7			µg/L	1
TV812	5P-MW12004-112DL	8/30/2012	Methylene chloride	DB	U	FB,MB	3	0.0249	2	µg/L	4
TV812	5P-MW12004-112DL	8/30/2012	Methyl tert-butyl ether	JD	J	SQL,SURR	1.1	0.111	2	µg/L	4
TV812	5P-MW12004-112DL	8/30/2012	Trichloroethene	JD	J	SQL,SURR	0.5	0.0674	2	µg/L	4
TV812	5P-MW12004-112-TDL	8/30/2012	Methylene chloride	DB	U	FB,MB	11	0.0249	2	µg/L	4
TV812	5P-MW12004-112-TDL	8/30/2012	Methyl tert-butyl ether	JD	J	SQL	1.1	0.111	2	µg/L	4
TV812	5P-MW12004-112-TDL	8/30/2012	Trichloroethene	JD	J	SQL	0.45	0.0674	2	µg/L	4
TV812	5P-MW12004-112	8/30/2012	Acetone	J	U	FB,SQL	3.1	2.22	5	µg/L	1
TV812	5P-MW12004-112	8/30/2012	Methylene chloride	JB	U	FB,MB	0.41	0.0249	0.5	µg/L	1
TV812	5P-MW12004-112	8/30/2012	cis-1,2-Dichloroethene	J	J	SQL	0.22	0.1	0.5	µg/L	1
TV812	5P-MW12004-112	8/30/2012	Trichloroethene	J	J	SQL	0.42	0.0674	0.5	µg/L	1
TV812	5P-MW12004-112	8/30/2012	Tetrachloroethene	E	J	I	46	0.0758	0.5	µg/L	1
TV812	5P-MW12004-112-T	8/30/2012	Acetone	J	U	FB,SQL	3	2.22	5	µg/L	1
TV812	5P-MW12004-112-T	8/30/2012	Methylene chloride	B	U	MB,FB	0.64	0.0249	0.5	µg/L	1
TV812	5P-MW12004-112-T	8/30/2012	cis-1,2-Dichloroethene	J	J	SQL	0.24	0.1	0.5	µg/L	1
TV812	5P-MW12004-112-T	8/30/2012	Trichloroethene	J	J	SQL	0.43	0.0674	0.5	µg/L	1
TV812	5P-MW12004-112-T	8/30/2012	Tetrachloroethene	E	J	I	47	0.0758	0.5	µg/L	1
TV812	5P-MW104-120	8/30/2012	Chloromethane	J	J	SQL	0.46	0.0582	0.5	µg/L	1
TV812	5P-MW104-120	8/30/2012	Acetone	J	U	FB,SQL	3.1	2.22	5	µg/L	1
TV812	5P-MW104-120	8/30/2012	Methylene chloride	B	U	MB,FB	11	0.0249	0.5	µg/L	1
TV812	5P-MW104-120	8/30/2012	Methyl tert-butyl ether	J	J	SQL	0.21	0.111	0.5	µg/L	1
TV812	5P-MW104-120	8/30/2012	Chloroform	J	J	SQL	0.3	0.082	0.5	µg/L	1
TV812	5P-MW104-120	8/30/2012	Trichloroethene	J	J	SQL	0.13	0.0674	0.5	µg/L	1
TV812	5P-MW108I-149	8/30/2012	Acetone		U	FB	15	2.22	5	µg/L	1
TV812	5P-MW108I-149	8/30/2012	Methylene chloride	B	U	FB	2.2	0.0249	0.5	µg/L	1
TV812	5P-MW108I-149	8/30/2012	Propene	JN	NJ	TIC	4.8			µg/L	1
TV812	5P-MW108I-149	8/30/2012	Benzene, 1-methyl-4-(1-methyle	JN	NJ	TIC	1.2			µg/L	1
TV812	5P-MW108I-149	8/30/2012	Unknown 1-Hexanol, 2-ethyl-	J	J	TIC	0.76			µg/L	1
TV812	5P-MW108I-149	8/30/2012	Total Alkanes	J	J	TIC	0.93			µg/L	1
TV812	Trip Blank	8/30/2012	Acetone	J	J	SQL	2.7	2.22	5	µg/L	1
TV812	5P-MW106D-195	8/30/2012	Acetone	J	U	FB,SQL	3.2	2.22	5	µg/L	1
TV812	5P-MW106D-195	8/30/2012	Methylene chloride	B	U	MB,FB	1	0.0249	0.5	µg/L	1
TV812	5P-MW22004-111	8/30/2012	Methylene chloride	B	U	FB,MB	7.9	0.0249	0.5	µg/L	1
TV812	5P-MW107D-200	8/30/2012	Acetone		U	FB	7.9	2.22	5	µg/L	1
TV812	5P-MW107D-200	8/30/2012	Methylene chloride	B	U	FB,MB	7.8	0.0249	0.5	µg/L	1
TV812	5P-MW107D-200	8/30/2012	Toluene	J	J	SQL	0.2	0.0748	0.5	µg/L	1

Sampling Event	Client Sample ID	Collection Date	Analyte	Laboratory Data Qualifier	Data Validation Flag	Qualifier Code	Result	MDL	RL	Units	Dilution
TV812	5P-MW107D-200	8/30/2012	Unknown Propene	J	J	TIC	9.9			µg/L	1
TV812	5P-MW107D-200	8/30/2012	Unknown 1-Propene, 2-methyl-	J	J	TIC	0.53			µg/L	1
TV812	5P-MW107D-200	8/30/2012	Unknown 3-Buten-1-ol	J	J	TIC	1.2			µg/L	1
TV812	5P-MW107D-200	8/30/2012	Unknown 1-Hexanol, 2-ethyl-	J	J	TIC	1.2			µg/L	1
TV812	5P-MW107D-200	8/30/2012	Total Alkanes	J	J	TIC	1.3			µg/L	1
TV812	5P-MW103-116	8/30/2012	Methylene chloride	B	U	MB,FB	11	0.0249	0.5	µg/L	1
TV812	5P-MW103-116	8/30/2012	Tetrachloroethene	J	J	SQL	0.35	0.0758	0.5	µg/L	1
TV812	5P-MW107I-145	8/30/2012	Acetone	J	U	FB,SQL	4.9	2.22	5	µg/L	1
TV812	5P-MW107I-145	8/30/2012	Methylene chloride	B	U	MB,FB	3	0.0249	0.5	µg/L	1
TV812	5P-MW107I-145	8/30/2012	Methyl tert-butyl ether	J	J	SQL	0.11	0.111	0.5	µg/L	1
TV812	5P-MW107I-145	8/30/2012	Unknown Carbonyl sulfide	J	J	TIC	4.7			µg/L	1
TV812	5P-MW107I-145	8/30/2012	Unknown 1-Hexanol, 2-ethyl-	J	J	TIC	0.85			µg/L	1
TV812	5P-MW105-146	8/30/2012	Acetone	J	U	FB,SQL	2.6	2.22	5	µg/L	1
TV812	5P-MW105-146	8/30/2012	Methylene chloride	B	U	FB,MB	5.9	0.0249	0.5	µg/L	1
TV812	5P-MW105-146	8/30/2012	Tetrachloroethene	J	J	SQL	0.18	0.0758	0.5	µg/L	1
TV1212	5P-MW-108d-214	11/28/2012	Methyl tert-butyl ether	J	J	SQL	0.15	0.111	0.5	µg/L	1
TV1212	5P-MW-108d-214	11/28/2012	Unknown Thiirane	J	J	TIC	0.54			µg/L	1
TV1212	5P-Freda-221	11/28/2012	Acetone	JB	U	MB,SQL	2.3	2.22	5	µg/L	1
TV1212	5P-Freda-221	11/28/2012	Chloroform		U	FB	0.6	0.082	0.5	µg/L	1
TV1212	5P-Freda-221	11/28/2012	Trichloroethene	J	J	SQL	0.11	0.0674	0.5	µg/L	1
TV1212	5P-Freda-221	11/28/2012	Unknown Propene	J	J	TIC	5.2			µg/L	1
TV1212	5P-Freda-221	11/28/2012	Unknown 3-Buten-1-ol	J	J	TIC	0.73			µg/L	1
TV1212	5P-Freda-221	11/28/2012	Total Alkanes	J	J	TIC	1.1			µg/L	1
TV1212	5P-Freda-196	11/28/2012	Toluene	J	J	SQL	0.1	0.0748	0.5	µg/L	1
TV1212	5P-Freda-196	11/28/2012	Unknown 3-Butenoic acid	J	J	TIC	5.1			µg/L	1
TV1212	5P-Freda-196	11/28/2012	Unknown 3-Buten-1-ol	J	J	TIC	0.65			µg/L	1
TV1212	5P-Freda-196	11/28/2012	Total Alkanes	J	J	TIC	1.7			µg/L	1
TV1212	5P-Freda-336	11/28/2012	Trichloroethene	J	J	SQL	0.12	0.0674	0.5	µg/L	1
TV1212	5P-Freda-336	11/28/2012	Unknown Propene	J	J	TIC	6.7			µg/L	1
TV1212	5P-Freda-336	11/28/2012	Unknown 1-Butene	J	J	TIC	0.52			µg/L	1
TV1212	5P-Freda-336	11/28/2012	Unknown 2-Butene, 2-methyl-	J	J	TIC	0.61			µg/L	1
TV1212	5P-Freda-336	11/28/2012	Total Alkanes	J	J	TIC	3.1			µg/L	1
TV1212	5P-MW-109d-230	11/28/2012	Carbon disulfide	J	J	SQL	0.12	0.138	0.5	µg/L	1
TV1212	5P-MW-109d-230	11/28/2012	1,1-Dichloroethane	U	J	SQL	0.39	0.0789	0.5	µg/L	1
TV1212	5P-MW-109d-230	11/28/2012	Chloroform		U	FB	0.69	0.082	0.5	µg/L	1
TV1212	5P-MW-109d-230	11/28/2012	Tetrachloroethene	J	J	SQL	0.21	0.0758	0.5	µg/L	1
TV1212	5P-MW-109d-230	11/28/2012	Thiirane	JN	NJ	TIC	0.64			µg/L	1
TV1212	5P-MW-108i-149	11/28/2012	Toluene	J	J	SQL	0.11	0.0748	0.5	µg/L	1
TV1212	5P-MW-108i-149	11/28/2012	Propene	JN	NJ	TIC	9.1			µg/L	1
TV1212	5P-MW-108i-149	11/28/2012	Thiirane	JN	NJ	TIC	0.9			µg/L	1
TV1212	5P-MW-108i-149	11/28/2012	Total Alkanes	J	J	TIC	0.72			µg/L	1
TV1212	5P-MW-107i-145	11/28/2012	Acetone	B	U	MB	5.1	2.22	5	µg/L	1
TV1212	5P-MW-107i-145	11/28/2012	Carbon disulfide	J	J	SQL	0.15	0.138	0.5	µg/L	1
TV1212	5P-MW-107i-145	11/28/2012	Chloroform	J	U	FB,SQL	0.44	0.082	0.5	µg/L	1
TV1212	5P-MW-107i-145	11/28/2012	Unknown 1-Pentanol, 2-ethyl-4-	J	J	TIC	0.94			µg/L	1
TV1212	5P-MW-105-146	11/28/2012	Tetrachloroethene	J	J	SQL	0.18	0.0758	0.5	µg/L	1
TV1212	5P-MW-104-120	11/28/2012	Bromomethane	U	UJ	CCAL	0.5	0.0721	0.5	µg/L	1

Sampling Event	Client Sample ID	Collection Date	Analyte	Laboratory Data Qualifier	Data Validation Flag	Qualifier Code	Result	MDL	RL	Units	Dilution
TV1212	5P-MW-104-120	11/28/2012	Methyl tert-butyl ether	J	J	SQL	0.16	0.111	0.5	µg/L	1
TV1212	5P-MW-104-120	11/28/2012	Trichloroethene	J	J	SQL	0.12	0.0674	0.5	µg/L	1
TV1212	5P-MW-104-120	11/28/2012	1,1,2,2-Tetrachloroethane	U	UJ	CCAL	0.5	0.156	0.5	µg/L	1
TV1212	5P-MW1-2004-109	11/28/2012	Bromomethane	U	UJ	CCAL	0.5	0.0721	0.5	µg/L	1
TV1212	5P-MW1-2004-109	11/28/2012	Methyl tert-butyl ether	J	J	SQL	0.46	0.111	0.5	µg/L	1
TV1212	5P-MW1-2004-109	11/28/2012	cis-1,2-Dichloroethene	J	J	SQL	0.19	0.1	0.5	µg/L	1
TV1212	5P-MW1-2004-109	11/28/2012	Chloroform		U	FB	0.75	0.082	0.5	µg/L	1
TV1212	5P-MW1-2004-109	11/28/2012	Trichloroethene	J	J	SQL	0.32	0.0674	0.5	µg/L	1
TV1212	5P-MW1-2004-109	11/28/2012	Tetrachloroethene	E	J	I	30	0.0758	0.5	µg/L	1
TV1212	5P-MW1-2004-109	11/28/2012	1,1,2,2-Tetrachloroethane	U	UJ	CCAL	0.5	0.156	0.5	µg/L	1
TV1212	5P-MW1-2004-Y	11/28/2012	Bromomethane	U	UJ	CCAL	0.5	0.0721	0.5	µg/L	1
TV1212	5P-MW1-2004-Y	11/28/2012	cis-1,2-Dichloroethene	J	J	SQL	0.2	0.1	0.5	µg/L	1
TV1212	5P-MW1-2004-Y	11/28/2012	Chloroform		U	FB	0.77	0.082	0.5	µg/L	1
TV1212	5P-MW1-2004-Y	11/28/2012	Trichloroethene	J	J	SQL	0.31	0.0674	0.5	µg/L	1
TV1212	5P-MW1-2004-Y	11/28/2012	Tetrachloroethene	E	J	I	30	0.0758	0.5	µg/L	1
TV1212	5P-MW1-2004-Y	11/28/2012	1,1,2,2-Tetrachloroethane	U	UJ	CCAL	0.5	0.156	0.5	µg/L	1
TV1212	5P-MW-107d-200	11/28/2012	Bromomethane	U	UJ	CCAL	0.5	0.0721	0.5	µg/L	1
TV1212	5P-MW-107d-200	11/28/2012	Carbon disulfide	J	J	SQL	0.31	0.138	0.5	µg/L	1
TV1212	5P-MW-107d-200	11/28/2012	Chloroform	J	U	FB,SQL	0.49	0.082	0.5	µg/L	1
TV1212	5P-MW-107d-200	11/28/2012	1,1,2,2-Tetrachloroethane	U	UJ	CCAL	0.5	0.156	0.5	µg/L	1
TV1212	5P-MW-106i-145	11/28/2012	Bromomethane	U	UJ	CCAL	0.5	0.0721	0.5	µg/L	1
TV1212	5P-MW-106i-145	11/28/2012	Methyl tert-butyl ether	J	J	SQL	0.11	0.111	0.5	µg/L	1
TV1212	5P-MW-106i-145	11/28/2012	Chloroform		U	FB	0.54	0.082	0.5	µg/L	1
TV1212	5P-MW-106i-145	11/28/2012	Toluene	J	J	SQL	0.34	0.0748	0.5	µg/L	1
TV1212	5P-MW-106i-145	11/28/2012	1,1,2,2-Tetrachloroethane	U	UJ	CCAL	0.5	0.156	0.5	µg/L	1
TV1212	5P-MW-106i-145	11/28/2012	Propene	JN	NJ	TIC	5.5			µg/L	1
TV1212	5P-MW-106i-145	11/28/2012	Unknown 1-Pentene	J	J	TIC	0.51			µg/L	1
TV1212	5P-MW-106d-195	11/28/2012	Bromomethane	U	UJ	CCAL	0.5	0.0721	0.5	µg/L	1
TV1212	5P-MW-106d-195	11/28/2012	Chloroform		U	FB	0.51	0.082	0.5	µg/L	1
TV1212	5P-MW-106d-195	11/28/2012	1,1,2,2-Tetrachloroethane	U	UJ	CCAL	0.5	0.156	0.5	µg/L	1
TV1212	5P-MW-101-158	11/28/2012	Bromomethane	U	UJ	CCAL	0.5	0.0721	0.5	µg/L	1
TV1212	5P-MW-101-158	11/28/2012	Chloroform	J	U	FB,SQL	0.36	0.082	0.5	µg/L	1
TV1212	5P-MW-101-158	11/28/2012	1,1,2,2-Tetrachloroethane	U	UJ	CCAL	0.5	0.156	0.5	µg/L	1
TV1212	5P-MW-103-116	11/28/2012	Bromomethane	U	UJ	CCAL	0.5	0.0721	0.5	µg/L	1
TV1212	5P-MW-103-116	11/28/2012	Tetrachloroethene	J	J	SQL	0.15	0.0758	0.5	µg/L	1
TV1212	5P-MW-103-116	11/28/2012	1,1,2,2-Tetrachloroethane	U	UJ	CCAL	0.5	0.156	0.5	µg/L	1
TV1212	5P-MW2-2004-111	11/28/2012	Bromomethane	U	UJ	CCAL	0.5	0.0721	0.5	µg/L	1
TV1212	5P-MW2-2004-111	11/28/2012	Chloroform	U	J	SQL	0.5	0.082	0.5	µg/L	1
TV1212	5P-MW2-2004-111	11/28/2012	1,1,2,2-Tetrachloroethane	U	UJ	CCAL	0.5	0.156	0.5	µg/L	1
TV1212	5P-MW1-2004-YDL	11/28/2012	Methylene chloride	JD	J	SQL	0.41	0.0249	2	µg/L	4
TV1212	5P-MW1-2004-YDL	11/28/2012	Methyl tert-butyl ether	JD	J	SQL	0.77	0.111	2	µg/L	4
TV1212	5P-MW1-2004-YDL	11/28/2012	Chloroform	JD	U	FB,SQL	0.99	0.082	2	µg/L	4
TV1212	5P-MW1-2004-109DL	11/28/2012	Methyl tert-butyl ether	JD	J	SQL	0.73	0.111	2	µg/L	4
TV1212	5P-MW1-2004-109DL	11/28/2012	Chloroform	JD	U	FB,SQL	1.5	0.082	2	µg/L	4
TV213	5P-MW-108i-149	2/26/2013	Unknown Carbonyl sulfide	J	J	TIC	3.1			µg/L	1
TV213	5P-MW-108i-149	2/26/2013	1-Hexanol, 2-ethyl-	JN	J	TIC	0.8			µg/L	1
TV213	5P-MW-108d-214	2/26/2013	Methyl tert-butyl ether	J	J	SQL	0.2	0.111	0.5	µg/L	1

Sampling Event	Client Sample ID	Collection Date	Analyte	Laboratory Data Qualifier	Data Validation Flag	Qualifier Code	Result	MDL	RL	Units	Dilution
TV213	5P-Freda-196	2/26/2013	Trichloroethene	J	J	SQL	0.13	0.0674	0.5	µg/L	1
TV213	5P-Freda-196	2/26/2013	Toluene	J	J	SQL	0.2	0.0748	0.5	µg/L	1
TV213	5P-Freda-196	2/26/2013	Ethylbenzene	J	J	SQL	0.076	0.0753	0.5	µg/L	1
TV213	5P-Freda-196	2/26/2013	o-Xylene	J	J	SQL	0.2	0.0819	0.5	µg/L	1
TV213	5P-Freda-196	2/26/2013	Unknown Propene	J	J	TIC	3.8			µg/L	1
TV213	5P-Freda-196	2/26/2013	Total Alkanes	J	J	TIC	0.74			µg/L	1
TV213	5P-Freda-221	2/26/2013	Methyl tert-butyl ether	J	J	SQL	0.15	0.111	0.5	µg/L	1
TV213	5P-Freda-221	2/26/2013	m,p-Xylene	U	J	SQL	0.051	0.0934	0.5	µg/L	1
TV213	5P-Freda-336	2/26/2013	Methyl tert-butyl ether	J	J	SQL	0.12	0.111	0.5	µg/L	1
TV213	5P-MW110i-206	2/26/2013	Tetrachloroethene	J	J	SQL	0.12	0.0758	0.5	µg/L	1
TV213	5P-MW107i-145	2/26/2013	Acetone	J	J	SQL	4.9	2.22	5	µg/L	1
TV213	5P-MW107i-145	2/26/2013	Carbon disulfide	J	J	SQL	0.23	0.138	0.5	µg/L	1
TV213	5P-MW107i-145	2/26/2013	Unknown Carbonyl sulfide	J	J	TIC	3.8			µg/L	1
TV213	5P-MW107i-145	2/26/2013	Unknown 1-Hexanol, 2-ethyl-	J	J	TIC	1.2			µg/L	1
TV213	5P-MW107d-200	2/26/2013	Unknown Carbonyl sulfide	J	J	TIC	3.3			µg/L	1
TV213	5P-MW106i-145	2/26/2013	Carbon disulfide	J	J	SQL	0.25	0.138	0.5	µg/L	1
TV213	5P-MW106i-145	2/26/2013	Unknown Carbonyl sulfide	J	J	TIC	1.8			µg/L	1
TV213	5P-MW104-120	2/26/2013	Methyl tert-butyl ether	J	J	SQL	0.44	0.111	0.5	µg/L	1
TV213	5P-MW104-120	2/26/2013	cis-1,2-Dichloroethene	J	J	SQL	0.17	0.1	0.5	µg/L	1
TV213	5P-MW104-120	2/26/2013	Trichloroethene	J	J	SQL	0.32	0.0674	0.5	µg/L	1
TV213	5P-MW104-120	2/26/2013	Tetrachloroethene	E	J	I	33	0.0758	0.5	µg/L	1
TV213	5P-MW91-101	2/26/2013	Methyl tert-butyl ether	J	J	SQL	0.39	0.111	0.5	µg/L	1
TV213	5P-MW91-101	2/26/2013	cis-1,2-Dichloroethene	J	J	SQL	0.23	0.1	0.5	µg/L	1
TV213	5P-MW91-101	2/26/2013	Carbon tetrachloride	J	J	SQL	0.095	0.061	0.5	µg/L	1
TV213	5P-MW91-101	2/26/2013	Trichloroethene	J	J	SQL	0.39	0.0674	0.5	µg/L	1
TV213	5P-MW91-101	2/26/2013	Bromodichloromethane	J	J	SQL	0.064	0.249	0.5	µg/L	1
TV213	5P-MW91-101	2/26/2013	Tetrachloroethene	E	J	I	27	0.0758	0.5	µg/L	1
TV213	Trip Blank	2/26/2013	Chloromethane	J	J	SQL	0.45	0.0582	0.5	µg/L	1
TV213	5P-MW104-120DL	2/26/2013	1,1-Dichloroethene	JD	J	SQL	0.27	0.0749	2	µg/L	4
TV213	5P-MW1-2004-101	2/26/2013	Methyl tert-butyl ether	J	J	SQL	0.37	0.111	0.5	µg/L	1
TV213	5P-MW1-2004-101	2/26/2013	cis-1,2-Dichloroethene	J	J	SQL	0.24	0.1	0.5	µg/L	1
TV213	5P-MW1-2004-101	2/26/2013	Trichloroethene	J	J	SQL	0.39	0.0674	0.5	µg/L	1
TV213	5P-MW1-2004-101	2/26/2013	Tetrachloroethene	E	J	I	27	0.0758	0.5	µg/L	1
TV213	5P-MW103-108	2/26/2013	Acetone	J	J	SQL	4.2	2.22	5	µg/L	1
TV213	5P-MW105-140	2/26/2013	Tetrachloroethene	J	J	SQL	0.16	0.0758	0.5	µg/L	1
TV213	5P-MW1-2004-101DL	2/26/2013	Methyl tert-butyl ether	JD	J	SQL	0.37	0.111	1	µg/L	2
TV213	5P-MW1-2004-101DL	2/26/2013	cis-1,2-Dichloroethene	JD	J	SQL	0.2	0.1	1	µg/L	2
TV213	5P-MW1-2004-101DL	2/26/2013	Chloroform	JD	J	SQL	0.84	0.082	1	µg/L	2
TV213	5P-MW1-2004-101DL	2/26/2013	Trichloroethene	JD	J	SQL	0.34	0.0674	1	µg/L	2