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MEMORANDUM

TO: Lisa Hanusiak, Remedial Project Manager
Site Cleanup Section 3, SFD-7-3

THROUGH: Rose Fong, ESAT Project Officer RF
Quality Assurance (QA) Office, PMD-3

FROM: Doug Lindelof, Data Review and QA Document Review Task Manager SL for DL.
Environmental Services Assistance Team (ESAT)

ESAT Contract No.: 68-W-01-028
Task Order: 005
Technical Direction No.: 00505044

DATE: September 16, 2004

SUBJECT: Review of Analytical Data, Tier 3

Attached are comments resulting from ESAT Region 9 review of the following analytical data:

SITE:	Alhambra
SITE ACCOUNT NO.:	09 ES LA01
CERCLIS ID NO.:	CAD980818579
CASE NO.:	33179
SDG NO.:	Y1DN5
LABORATORY:	Compuchem (LIBRTY)
ANALYSIS:	Volatiles
SAMPLES:	17 Water Samples
COLLECTION DATE:	August 3 and 4, 2004
REVIEWER:	Calvin Tanaka, ESAT/Laboratory Data Consultants (LDC)

This report has been reviewed by the EPA Task Order Project Officer (TOPO) for the ESAT Contract, whose signature appears above.

If there are any questions, please contact Rose Fong (QA Program/EPA) at (415) 972-3812.

Attachment

cc: Edward Messer, CLP PO USEPA Region 4
Steve Remaley, CLP PO USEPA Region 9
ESAT File

CLP PO: [ ] FYI [X] Attention [X] Action

SAMPLING ISSUES: [X] Yes [ ] No

Data Validation Report

Case No.: 33179 SDG No.: Y1DN5
Site: Alhambra
Laboratory: Compuchem
Reviewer: Calvin Tanaka, ESAT/LDC
Date: September 16, 2004

I. Case Summary

SAMPLE INFORMATION:

Samples:	Y1DN5 through Y1DN9, Y1DP0 through Y1DP9, Y1DQ0, and Y1DQ1
Concentration and Matrix:	Low Concentration Water
Analysis:	Volatiles
SOW:	OLC03.2, Flexibility Clause 1125.0
Collection Date:	August 3 and 4, 2004
Sample Receipt Date:	August 4 and 5, 2004
Extraction Date:	Not Applicable
Analysis Date:	August 10 and 11, 2004

FIELD QC:

Trip Blanks (TB):	Not Provided
Field Blanks (FB):	Not Provided
Equipment Blanks (EB):	Y1DP1 and Y1DP9
Background Samples (BG):	Not Provided
Field Duplicates (D1):	Y1DP6 and Y1DP7
Field Duplicates (D2):	Y1DQ0 and Y1DQ1

METHOD BLANKS AND ASSOCIATED SAMPLES:

VBLKED:	Y1DN5DL, Y1DQ0DL, and Y1DQ1DL
VBLKGJ:	Y1DN5 through Y1DN9, Y1DP0 through Y1DP9, Y1DQ0, and Y1DQ1
VBLKEE:	Storage blank VHBLKZT

TABLES:

1A:	Analytical Results with Qualifications
1B:	Data Qualifier Definitions for Organic Data Review
2:	Calibration Summary

CLP PO ACTION:

The laboratory did not analyzed an instrument blank after sample Y1DN5 containing trichloroethene (270 µg/L) exceeding calibration range. Consequently, the detected result for trichloroethene in sample Y1DN6 (0.25 µg/L) is qualified as nondetected and estimated (U,J) due to possible carry-over from sample Y1DN5.

CLP PO ATTENTION:

1) Detected results for methylene chloride, acetone, methyl tert-butyl ether, 2-butanone, and toluene in most samples are qualified as nondetected and estimated (U,J) due to method blank and equipment blank contamination.

2) Results for some analytes are qualified as estimated (J) due to calibration problems.

3) Results for cyclohexane, methylcyclohexane, 1,2-dichloropropane, and bromodichloromethane in samples Y1DP5, Y1DP8, and Y1DP9 are qualified as estimated (J) due to deuterated monitoring compound (DMC) recovery problems.

SAMPLING ISSUES:

1) Detected results for acetone, methyl tert butyl ether, and 2-butanone in the samples are qualified as nondetected and estimated (U,J) due to equipment blank contamination.

2) Signature blocks for "Relinquished By" were not completed on the Traffic Report & Chain of Custody Records (see attached TR/COCs, p. 16 and 17 in data package). In addition, the airbill number is missing on the TR/COC No. 9-544881765-080404-0001 (see attached TR/COC, p. 17 in data package).

ADDITIONAL COMMENTS:

Other than laboratory artifacts (approximate retention times of 3.9, 7.3, 9.3, 9.4, 13.5, and 15.0 minutes), tentatively identified compounds (TICs) were found in samples Y1DN8, Y1DN9, Y1DP0, and Y1DP7 (see attached Form 1LCFs).

Manual integrations were performed on calibration standards and samples due to incorrect auto integration. Manual integrations were reviewed and found to be satisfactory and in compliance with proper integration techniques.

Standard preparation logs are missing in the data package and cannot be evaluated. This information was requested from the laboratory but has not been received to date. Data are not qualified in this report due to missing standard preparation logs. Refer to the attached telephone record log for details.

This report was prepared in accordance with the following documents:

- ESAT Region 9 Standard Operating Procedure 901, *Guidelines for Data Review of Contract Laboratory Program Analytical Services (CLPAS) Volatile and Semivolatile Data Packages*;
- *USEPA Contract Laboratory Program Statement of Work for Analysis of Low Concentration Organic,* OLC03.2, December 2000; and
- *USEPA Contract Laboratory Program National Functional Guidelines for Low Concentration Organic Data Review*, June 2001.

II. Validation Summary

	Acceptable/Comment	
HOLDING TIMES/PRESERVATION	YES	
GC/MS TUNE/GC PERFORMANCE	YES	
INITIAL CALIBRATIONS	NO	C, D
CONTINUING CALIBRATIONS	NO	C
LABORATORY BLANKS	NO	B
FIELD BLANKS	NO	B
DEUTERATED MONITORING COMPOUNDS	NO	E
MATRIX SPIKE/DUPLICATES	N/A	
LABORATORY CONTROL SAMPLE/DUPLICATES	N/A	
INTERNAL STANDARDS	YES	
COMPOUND IDENTIFICATION	YES	
COMPOUND QUANTITATION	NO	A, F, H
SYSTEM PERFORMANCE	YES	
FIELD DUPLICATE SAMPLE ANALYSIS	NO	G

N/A = Not Applicable

III. Validity and Comments

A. The following results, denoted with an "L" qualifier, are estimated and flagged "J" in Table 1A.

- All results below the contract required quantitation limits

Results below the contract required quantitation limits (CRQLs) are considered to be qualitatively acceptable, but quantitatively unreliable, due to the uncertainty in analytical precision near the limit of detection.

B. The following results are qualified as nondetected and estimated due to method blank and equipment blank contamination, and are flagged "U,J" in Table 1A.

- Methylene chloride in all samples and storage blank VHBLKZT
- Acetone in samples Y1DN5, Y1DP6, and Y1DQ0
- Methyl tert-butyl ether in sample Y1DN5
- 2-Butanone in samples Y1DP3, Y1DP6, and Y1DP7
- Toluene in samples Y1DN5 through Y1DN8, Y1DP0 through Y1DP2, Y1DP6, Y1DP7, and Y1DP9 and storage blank VHBLKZT

Methylene chloride and toluene were found in method blanks VBLKEE, VBLKED, and VBLKGJ (see Table 1A for concentrations). Acetone, methyl tert-butyl ether, and 2-butanone were found in equipment blanks Y1DP1 and Y1DP9 (see Table 1A for concentrations). Results for the samples listed above are considered nondetected and estimated (U,J) and the quantitation limits have been raised according to the blank qualification rules presented below.

No positive results are reported unless the concentration of the compound in the sample exceeds 10 times the amount in any associated blank for the common laboratory contaminants or 5 times the amount for other compounds. If the sample result is greater than the CRQL, the quantitation limit is raised to the sample result and reported as nondetected. If the sample result is less than the CRQL, the result is reported as nondetected at the CRQL.

Toluene results for samples Y1DQ0 (3.2 µg/L) and Y1DQ1 (3.1 µg/L) are not qualified as nondetected and estimated since their concentrations exceed 5 times the amount in the associated method blank.

Although bromomethane (0.14 µg/L) was found in storage blank VBLKZT and tert-butyl alcohol in equipment blank Y1DP9 (4.7 µg/L), no data are qualified because these analytes were not detected in the associated samples.

A laboratory method blank is laboratory reagent water analyzed with all reagents, deuterated monitoring compounds, and internal standards and carried through the sample preparation and analytical procedures as the field samples. The laboratory method blank is used to determine the level of contamination introduced by the laboratory during analysis.

An equipment blank is clean water that has been collected as a sample using decontaminated sampling equipment. The intent of an equipment blank is to monitor for contamination introduced by the sampling activity, although any laboratory introduced contamination will also be present.

C. Results for the following analytes are qualified as estimated due to low relative response factors (RRFs) in the initial and continuing calibrations, and are flagged "J" in Table 1A.

- Acetone and tert-butyl alcohol in all samples, all method blanks, and storage blank VHBLKZT

RRFs below the 0.05 validation criterion were observed for acetone and tert-butyl alcohol in the initial calibration performed on August 10, 2004 and the continuing calibrations performed on August 10 and 11, 2004 (see Table 2).

Detected results for the analytes listed above should be considered as the minimum concentrations at which these analytes are present in the samples. Where results are nondetected, false negatives may exist.

An RRF below 0.01 was observed for tert-butyl alcohol in the continuing calibration performed on August 10, 2004 (see Table 2). Sample data was not qualified since no tert-butyl alcohol results were reported from this continuing calibration.

DMCs 2-butanone-d5 and 2-hexanone-d5 also had low RRFs in the initial calibration performed on August 10, 2004 and continuing calibrations performed on August 10 and 11, 2004 (see Table 2). Quantitation of the analytes associated with these DMCs may have been affected by the low RRFs (see attached Table 9 from the Functional Guidelines).

The RRF evaluates instrument sensitivity and is used in the quantitation of target analytes.

D. Results for the following analytes are qualified as estimated due to large percent relative standard deviations (%RSDs) in the initial calibration, and are flagged "J" in Table 1A.

- Bromomethane, methyl acetate, and methylene chloride in all samples, all method blanks, and storage blank VHBLKZT

Percent RSDs exceeding the ≤30.0% validation criterion were observed for the analytes listed above in the initial calibration performed on August 10, 2004 (Table 2).

The initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical sequence and of producing a linear calibration curve.

E. Results for the following analytes are qualified as estimated due to DMC recoveries outside QC limits, and are flagged "J" in Table 1A.

{1,2-Dichloropropane-d6}

- Cyclohexane, methylcyclohexane, 1,2-dichloropropane, and bromodichloromethane in samples Y1DP5, Y1DP8, and Y1DP9

DMC recoveries outside QC limits are shown below.

Sample	DMC	% Recovery	QC Limits
Y1DP5	1,2-Dichloropropane-d6	82	84-123
Y1DP8	1,2-Dichloropropane-d6	82	84-123
Y1DP9	1,2-Dichloropropane-d6	82	84-123

Detected results for affected analytes may be biased low. Where the results are nondetected, false negatives may exist. The samples were not re-analyzed.

F. The following result is qualified as nondetected and estimated due to a possible carry-over, and is flagged "U,J" in Table 1A.

- Trichloroethene in sample Y1DN6

The detected result for trichloroethene in sample Y1DN6 (0.25 µg/L) may be due to a carry-over from sample Y1DN5. The laboratory did not analyze an instrument blank after sample Y1DN5 containing trichloroethene (270 µg/L) exceeding calibration range.

G. In the analysis of the field duplicate pairs, the following outliers were obtained for the analytes listed below.

Analyte	Y1DP6 (D1) Conc., µg/L	Y1DP7 (D1) Conc., µg/L	RPD (<25%)
Chloroform	0.50U	0.12L	N/A
Trichloroethene	0.89	1.5	51%
Tetrachloroethene	14	22	44%

Analyte	Y1DQ0 (D2) Conc., µg/L	Y1DQ1 (D2) Conc., µg/L	RPD (<25%)
1,1,2-Trichloro-1,2,2-trifluoroethane	0.16L	0.50U	N/A
cis-1,3-Dichloropropene	0.10L	0.50U	N/A

A relative percent difference (RPD) value is not calculated and is presented above as "N/A" when an analyte is detected in a sample but is nondetected (U) at the CRQL in the associated field duplicate sample, or when an analyte is detected below the CRQL in one or both field duplicate samples. The effect on data quality is not known.

H. Samples Y1DN5, Y1DQ0, and Y1DQ1 were reanalyzed at 25-fold, 10-fold, and 10-fold dilutions, respectively, due to high levels of trichloroethene that exceeded the calibration range. Results for trichloroethene are reported from the diluted samples in Table 1A; results for all other analytes are reported from the undiluted samples.

ANALYTICAL RESULTS
Tier 3 Table 1A

Case No. : 33179 SDG No. : Y1DN5
Site : Alhambra
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer : Calvin Tanaka, ESAT/LDC
Date : September 15, 2004

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location :	1			2			3			4			5			6			7		
Sample ID :	Y1DN5			Y1DN6			Y1DN7			Y1DN8			Y1DN9			Y1DP0			Y1DP1		
Collection Date :	8/3/2004			8/3/2004			8/3/2004			8/3/2004			8/3/2004			8/3/2004			8/3/2004		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0			1.0		
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Dichlorodifluoromethane	0.13L	J	A	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Vinyl Chloride	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromomethane	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D
Chloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Trichlorofluoromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1-Dichloroethene	2.6			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,2-Trichloro-1,2,2-trifluoroethane	0.17L	J	A	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Acetone	5.0U	J	BC	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	7.8	J	C
Carbon Disulfide	0.50U			1.4			0.59			0.50U			0.50U			0.50U			0.50U		
Methyl Acetate	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D
Methylene Chloride	0.50U	J	BD	0.50U	J	BD	0.50U	J	BD	0.50U	J	BD	0.50U	J	BD	0.50U	J	BD	0.50U	J	BD
trans-1,2-Dichloroethene	0.20L	J	A	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Methyl tert-Butyl Ether	0.50U	J	B	0.50U			0.50U			0.50U			0.50U			0.50U			0.55		
1,1-Dichloroethane	0.27L	J	A	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
cis-1,2-Dichloroethene	4.0			0.50U			0.50U			0.63			2.3			1.7			0.50U		
2-Butanone	5.0U			5.0U			5.0U			5.0U			5.0U			5.0U			4.9L	J	A
Bromochloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chloroform	0.78			0.50U			0.50U			0.27L	J	A	0.34L	J	A	0.30L	J	A	0.50U		
1,1,1-Trichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Cyclohexane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Carbon Tetrachloride	1.1			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Benzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dichloroethane	0.74			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Trichloroethene	270		H	0.50U	J	F	0.50U			11			3.8			2.3			0.50U		
Methylcyclohexane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dichloropropane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromodichloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
cis-1,3-Dichloropropene	0.11L	J	A	0.50U			0.50U			0.10L	J	A	0.50U			0.50U			0.50U		
4-Methyl-2-pentanone	5.0U			5.0U			5.0U			5.0U			5.0U			5.0U			5.0U		
Toluene	0.50U	J	B	0.50U	J	B	0.50U	J	B	0.50U	J	B	0.50U			0.50U	J	B	0.50U	J	B
trans-1,3-Dichloropropene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,2-Trichloroethane	0.17L	J	A	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Tetrachloroethene	7.7			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
2-Hexanone	5.0U			5.0U			5.0U			5.0U			5.0U			5.0U			5.0U		
Dibromochloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dibromoethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		

EB

ANALYTICAL RESULTS
Tier 3 Table 1A

Case No. : 33179 SDG No. : Y1DN5
Site : Alhambra
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer : Calvin Tanaka, ESAT/LDC
Date : September 15, 2004

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples
For Volatiles

Station Location :	1			2			3			4			5			6			7		
Sample ID :	Y1DN5			Y1DN6			Y1DN7			Y1DN8			Y1DN9			Y1DP0			Y1DP1		EB
Collection Date :	8/3/2004			8/3/2004			8/3/2004			8/3/2004			8/3/2004			8/3/2004			8/3/2004		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0			1.0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Ethylbenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Xylenes (total)	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Styrene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromoform	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Isopropylbenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,2,2-Tetrachloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,3-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,4-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dibromo-3-chloropropane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2,4-Trichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2,3-Trichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Tert-butyl alcohol	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Tier 3 Table 1A

Case No. : 33179 SDG No. : Y1DN5
Site : Alhambra
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer : Calvin Tanaka, ESAT/LDC
Date : September 15, 2004

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples
For Volatiles

Station Location :	8			9			10			11			12			13			14		
Sample ID :	Y1DP2			Y1DP3			Y1DP4			Y1DP5			Y1DP6		D1	Y1DP7		D1	Y1DP8		
Collection Date :	8/4/2004			8/4/2004			8/4/2004			8/4/2004			8/4/2004			8/4/2004			8/4/2004		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0			1.0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Vinyl Chloride	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromomethane	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D
Chloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Trichlorofluoromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1-Dichloroethene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Acetone	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	BC	5.0U	J	C	5.0U	J	C
Carbon Disulfide	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Methyl Acetate	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D
Methylene Chloride	0.50U	J	BD	0.50U	J	BD	0.50U	J	BD	0.50U	J	BD	0.50U	J	BD	0.50U	J	BD	0.50U	J	BD
trans-1,2-Dichloroethene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Methyl tert-Butyl Ether	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1-Dichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
cis-1,2-Dichloroethene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
2-Butanone	5.0U			5.0U	J	B	5.0U			5.0U			5.0U	J	B	5.0U	J	B	5.0U		
Bromochloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chloroform	0.50U			0.50U			0.50U			0.50U			0.50U		G	0.12L	J	AG	0.50U		
1,1,1-Trichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Cyclohexane	0.50U			0.50U			0.50U			0.50U	J	E	0.50U			0.50U			0.50U	J	E
Carbon Tetrachloride	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Benzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Trichloroethene	0.11L	J	A	0.50U			0.50U			0.50U			0.89		G	1.5		G	3.3		
Methylcyclohexane	0.50U			0.50U			0.50U			0.50U	J	E	0.50U			0.50U			0.50U	J	E
1,2-Dichloropropane	0.50U			0.50U			0.50U			0.50U	J	E	0.50U			0.50U			0.50U	J	E
Bromodichloromethane	0.50U			0.50U			0.50U			0.50U	J	E	0.50U			0.50U			0.50U	J	E
cis-1,3-Dichloropropene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
4-Methyl-2-pentanone	5.0U			5.0U			5.0U			5.0U			5.0U			5.0U			5.0U		
Toluene	0.50U	J	B	0.50U			0.50U			0.50U			0.50U	J	B	0.50U	J	B	0.50U		
trans-1,3-Dichloropropene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,2-Trichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Tetrachloroethene	0.17L	J	A	0.50U			0.73			0.35L	J	A	14		G	22		G	3.9		
2-Hexanone	5.0U			5.0U			5.0U			5.0U			5.0U			5.0U			5.0U		
Dibromochloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dibromoethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		

ANALYTICAL RESULTS
Tier 3 Table 1A

Case No. : 33179 SDG No. : Y1DN5
Site : Alhambra
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer : Calvin Tanaka, ESAT/LDC
Date : September 15, 2004

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples
For Volatiles

Station Location :	8			9			10			11			12			13			14		
Sample ID :	Y1DP2			Y1DP3			Y1DP4			Y1DP5			Y1DP6	D1		Y1DP7	D1		Y1DP8		
Collection Date :	8/4/2004			8/4/2004			8/4/2004			8/4/2004			8/4/2004			8/4/2004			8/4/2004		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0			1.0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Ethylbenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Xylenes (total)	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Styrene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromoform	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Isopropylbenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,2,2-Tetrachloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,3-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,4-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dibromo-3-chloropropane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2,4-Trichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2,3-Trichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Tert-butyl alcohol	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Tier 3 Table 1A

Case No. : 33179 SDG No. : Y1DN5
Site : Alhambra
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer : Calvin Tanaka, ESAT/LDC
Date : September 15, 2004

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location :	15			16			17			Method Blank			Method Blank			Method Blank			Storage Blank		
Sample ID :	Y1DP9		EB	Y1DQ0		D2	Y1DQ1		D2	VBLKED			VBLKEE			VBLKGJ			VHBLKZT		
Collection Date :	8/4/2004			8/4/2004			8/4/2004														
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0			1.0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Vinyl Chloride	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromomethane	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.14L	J	AD
Chloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Trichlorofluoromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1-Dichloroethene	0.50U			1.4			1.3			0.50U			0.50U			0.50U			0.50U		
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50U			0.16L	J	AG	0.50U		G	0.50U			0.50U			0.50U			0.50U		
Acetone	7.9	J	C	5.0U	J	BC	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C
Carbon Disulfide	0.50U			0.26L	J	A	0.25L	J	A	0.50U			0.50U			0.50U			0.50U		
Methyl Acetate	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D	0.50U	J	D
Methylene Chloride	0.50U	J	BD	0.50U	J	BD	0.50U	J	BD	0.29L	J	AD	0.29L	J	AD	0.35L	J	AD	0.50U	J	BD
trans-1,2-Dichloroethene	0.50U			0.14L	J	A	0.17L	J	A	0.50U			0.50U			0.50U			0.50U		
Methyl tert-Butyl Ether	0.54			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1-Dichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
cis-1,2-Dichloroethene	0.50U			10			9.3			0.50U			0.50U			0.50U			0.50U		
2-Butanone	4.1L	J	A	5.0U			5.0U			5.0U			5.0U			5.0U			5.0U		
Bromochloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chloroform	0.50U			0.29L	J	A	0.31L	J	A	0.50U			0.50U			0.50U			0.50U		
1,1,1-Trichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Cyclohexane	0.50U	J	E	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Carbon Tetrachloride	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Benzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dichloroethane	0.50U			0.24L	J	A	0.20L	J	A	0.50U			0.50U			0.50U			0.50U		
Trichloroethene	0.50U			68		H	75		H	0.50U			0.50U			0.50U			0.50U		
Methylcyclohexane	0.50U	J	E	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dichloropropane	0.50U	J	E	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromodichloromethane	0.50U	J	E	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
cis-1,3-Dichloropropene	0.50U			0.10L	J	AG	0.50U		G	0.50U			0.50U			0.50U			0.50U		
4-Methyl-2-pentanone	5.0U			5.0U			5.0U			5.0U			5.0U			5.0U			5.0U		
Toluene	0.50U	J	B	3.2			3.1			0.26L	J	A	0.32L	J	A	0.36L	J	A	0.50U	J	B
trans-1,3-Dichloropropene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,2-Trichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Tetrachloroethene	0.50U			2.4			2.3			0.50U			0.50U			0.50U			0.50U		
2-Hexanone	5.0U			5.0U			5.0U			5.0U			5.0U			5.0U			5.0U		
Dibromochloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dibromoethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		

ANALYTICAL RESULTS
Tier 3 Table 1A

Case No. : 33179 SDG No. : Y1DN5
Site : Alhambra
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer : Calvin Tanaka, ESAT/LDC
Date : September 15, 2004

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples
For Volatiles

Station Location :	15			16			17			Method Blank			Method Blank			Method Blank			Method Blank		
Sample ID :	Y1DP9		EB	Y1DQ0		D2	Y1DQ1		D2	VBLKED			VBLKEE			VBLKGJ			VHBLKZT		
Collection Date :	8/4/2004			8/4/2004			8/4/2004														
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0			1.0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Ethylbenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Xylenes (total)	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Styrene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromoform	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Isopropylbenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,2,2-Tetrachloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,3-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,4-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dibromo-3-chloropropane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2,4-Trichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2,3-Trichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Tert-butyl alcohol	4.7L	J	AC	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Tier 3 Table 1A

Case No. : 33179 SDG No. : Y1DN5
Site : Alhambra
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer : Calvin Tanaka, ESAT/LDC
Date : September 15, 2004

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples
For Volatiles

Station Location :																					
Sample ID :	CRQL																				
Collection Date :																					
Dilution Factor :																					
Volatile Compound	**Result**	**Val**	**Com**									**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50																				
Chloromethane	0.50																				
Vinyl Chloride	0.50																				
Bromomethane	0.50																				
Chloroethane	0.50																				
Trichlorofluoromethane	0.50																				
1,1-Dichloroethene	0.50																				
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50																				
Acetone	5.0																				
Carbon Disulfide	0.50																				
Methyl Acetate	0.50																				
Methylene Chloride	0.50																				
trans-1,2-Dichloroethene	0.50																				
Methyl tert-Butyl Ether	0.50																				
1,1-Dichloroethane	0.50																				
cis-1,2-Dichloroethene	0.50																				
2-Butanone	5.0																				
Bromochloromethane	0.50																				
Chloroform	0.50																				
1,1,1-Trichloroethane	0.50																				
Cyclohexane	0.50																				
Carbon Tetrachloride	0.50																				
Benzene	0.50																				
1,2-Dichloroethane	0.50																				
Trichloroethene	0.50																				
Methylcyclohexane	0.50																				
1,2-Dichloropropane	0.50																				
Bromodichloromethane	0.50																				
cis-1,3-Dichloropropene	0.50																				
4-Methyl-2-pentanone	5.0																				
Toluene	0.50																				
trans-1,3-Dichloropropene	0.50																				
1,1,2-Trichloroethane	0.50																				
Tetrachloroethene	0.50																				
2-Hexanone	5.0																				
Dibromochloromethane	0.50																				
1,2-Dibromoethane	0.50																				

ANALYTICAL RESULTS
Tier 3 Table 1A

Case No. : 33179 SDG No. : Y1DN5
Site : Alhambra
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer : Calvin Tanaka, ESAT/LDC
Date : September 15, 2004

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples
For Volatiles

Station Location :																					
Sample ID :	CRQL																				
Collection Date :																					
Dilution Factor :																					
Volatile Compound	**Result**	**Val**	**Com**								**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chlorobenzene	0.50																				
Ethylbenzene	0.50																				
Xylenes (total)	0.50																				
Styrene	0.50																				
Bromoform	0.50																				
Isopropylbenzene	0.50																				
1,1,2,2-Tetrachloroethane	0.50																				
1,3-Dichlorobenzene	0.50																				
1,4-Dichlorobenzene	0.50																				
1,2-Dichlorobenzene	0.50																				
1,2-Dibromo-3-chloropropane	0.50																				
1,2,4-Trichlorobenzene	0.50																				
1,2,3-Trichlorobenzene	0.50																				
Tert-butyl alcohol	5.0																				

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

TABLE 1B

DATA QUALIFIER DEFINITIONS FOR ORGANIC DATA REVIEW

The definitions of the following qualifiers are prepared according to the document, "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999.

U	The analyte was analyzed for but was not detected above the reported sample quantitation limit.
L	Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Table 2
Calibration Summary

Case No.: 33179 SDG No.: Y1DN5
Site: Alhambra
Laboratory: Compuchem
Reviewer: Calvin Tanaka, ESAT/LDC
Date: September 16, 2004

RELATIVE RESPONSE FACTORS

	$\overline{\text{RRF}}$	RRF	RRF	RRF
Analysis date:	08/10/04	08/10/04	08/10/04	08/11/04
Analysis time:	09:57-11:43	10:50	21:17	09:53
GC/MS I.D.:	5972HP71	5972HP71	5972HP71	5972HP71
Analyte	Init.	Cont.	Cont.	Cont.
Acetone	0.031	0.033	0.028	0.037
tert-Butyl Alcohol	0.010	0.010	0.009	0.012
2-Butanone-d5	0.045	0.046	0.048	-----
2-Hexanone-d5	0.044	-----	0.045	-----

PERCENT RELATIVE STANDARD DEVIATIONS

	%RSD
Analysis Date:	08/10/04
Analysis Time:	09:57-11:43
GC/MS I.D.:	5972HP71
Analyte	Init.
Bromomethane	34.6
Methyl Acetate	45.5
Methylene Chloride	31.7

ASSOCIATED SAMPLES AND METHOD BLANKS

Initial, 08/10/04:	Y1DN5 through Y1DN9, Y1DP0 through Y1DP9, Y1DQ0, and Y1DQ1, Y1DN5DL, Y1DQ0DL, and Y1DQ1DL ; method blanks VBLKED, VBLKEE, and VBLKGJ; storage blank VHBLKZT.
Continuing, 08/10/04:	Y1DN5 through Y1DN9, Y1DP0 through Y1DP9, Y1DQ0 and Y1DQ1 and method blank VBLKGJ.
Continuing, 08/10/04:	Y1DN5DL, Y1DQ0DL, and Y1DQ1DL and method blank VBLKED.
Continuing, 08/11/04:	Storage blank VHBLKZT and method blank VBLKEE.

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 33179
DAS No:
SDG No: Y1DN5

Date Shipped:	08/03/2004
Carrier Name:	FedEx
Airbill:	829724481528
Shipped to:	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1		Joan Purdie	8/4/04 855
2			
3			
4			

Sampler Signature:

For Lab Use Only

Lab Contract No: 68W01043
Unit Price: 468.00
Transfer To:
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
Y1DN5	Ground Water/ Gary Bissonnette	L/G	VOA (21)	100, 101, 102, 103, 104, 105 (6)	01	S: 08/03/2004	9:00		Good
Y1DN6	Ground Water/ Gary Bissonnette	L/G	VOA (21)	106, 107, 108 (3)	02	S: 08/03/2004	11:20		
Y1DN7	Ground Water/ Gary Bissonnette	L/G	VOA (21)	109, 110, 111 (3)	03	S: 08/03/2004	12:35		
Y1DN8	Ground Water/ Gary Bissonnette	L/G	VOA (21)	112, 113, 114 (3)	04	S: 08/03/2004	13:20		
Y1DN9	Ground Water/ Gary Bissonnette	L/G	VOA (21)	115, 116, 117 (3)	05	S: 08/03/2004	14:05		
Y1DP0	Ground Water/ Gary Bissonnette	L/G	VOA (21)	118, 119, 120 (3)	06	S: 08/03/2004	14:55		
Y1DP1	Ground Water/ Gary Bissonnette	L/G	VOA (21)	121, 122, 123 (3)	07	S: 08/03/2004	15:00		

COPY
ORIGINAL DOCUMENTS INCLUDED IN CSF: Y1DN5
SIGNATURE: Alice Evans DATE: 08/04/04

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: Y1DN5	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 3.2	Chain of Custody Seal Number:
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓

TR Number: 9-544881765-080304-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

LABORATORY COPY

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 33179
DAS No:
SDG No: Y1DN5

L

Date Shipped:	08/04/2004
Carrier Name:	FedEx
Airbill:	
Shipped to:	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1		Joan Purdie 8-5-04	940
2			
3			
4			

Sampler Signature:

COPY
ORIGINAL DOCUMENTS INCLUDED IN CSF

SIGNATURE Alice Ensor DATE 08/05/04

For Lab Use Only

Lab Contract No: 68W01043
Unit Price: 468.00
Transfer To:
Lab Contract No: Y1DN5
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
Y1DP2	Ground Water/ Gary Bissonnette	L/G	VOA (21)	133, 134, 135 (3)	8	S: 08/04/2004	8:35		Good
Y1DP3	Ground Water/ Gary Bissonnette	L/G	VOA (21)	136, 137, 138 (3)	9	S: 08/04/2004	9:30		
Y1DP4	Ground Water/ Gary Bissonnette	L/G	VOA (21)	130, 131, 132 (3)	10	S: 08/04/2004	10:06		
Y1DP5	Ground Water/ Gary Bissonnette	L/G	VOA (21)	139, 140, 141 (3)	11	S: 08/04/2004	10:40		
Y1DP6	Ground Water/ Gary Bissonnette	L/G	VOA (21)	142, 143, 144 (3)	12	S: 08/04/2004	11:25		
Y1DP7	Ground Water/ Gary Bissonnette	L/G	VOA (21)	145, 146, 147 (3)	13	S: 08/04/2004	11:40		
Y1DP8	Ground Water/ Gary Bissonnette	L/G	VOA (21)	148, 149, 150 (3)	14	S: 08/04/2004	11:55		
Y1DP9	Ground Water/ Gary Bissonnette	L/G	VOA (21)	151, 152, 153 (3)	15	S: 08/04/2004	12:05		
Y1DQ0	Ground Water/ Gary Bissonnette	L/G	VOA (21)	154, 155, 156 (3)	16	S: 08/04/2004	14:00		
Y1DQ1	Ground Water/ Gary Bissonnette	L/G	VOA (21)	157, 158, 159 (3)	17	S: 08/04/2004	14:30		SDG-Final Sample

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 5.2	Chain of Custody Seal Number:
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? X	Shipment Iced? X

TR Number: 9-544881765-080404-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

LABORATORY COPY

1LCF
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Y1DN8

Lab Name: COMPUCHEM Contract: 68W01043

Lab Code: LIBRTY Case No.: 33179 Client No.: 1125.0 SDG No.: Y1DN5

Lab Sample ID: 381904 Date Received: 08/04/2004

Lab File ID: 381904A71 Date Analyzed: 08/10/2004

Purge Volume: 25.0(ML) Dilution Factor: 1.0

GC Column: SPB-624 ID: 0.32(MM) Length: 60.0(M)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		UNKNOWN	3.13	2.7	J
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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