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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Y1P19

Lab Name: COMPUCHEM Contract: 68W01043

Lab Code: LIBRTY Case No.: 33865 Client No.: 1125.0 SDG No.: Y1P13

Lab Sample ID: 574611 Date Received: 02/17/2005

Lab File ID: 574611A71 Date Analyzed: 02/18/2005

Purge Volume: 25.0(ML) Dilution Factor: 1.0

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

Number TICs found: 3

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01	7446-09-5	SULFUR DIOXIDE	3.60	10	NJ
02	~~420-56-4~~	~~SILANE, FLUOROTRIMETHYL-~~	~~4.08~~	~~1.6~~	~~NJ~~
03	7446-09-5	SULFUR DIOXIDE	5.54	2.4	NJ
04					
05					
06		SC, 4/5/05.			
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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Y1P20

Lab Name: COMPUCHEM Contract: 68W01043

Lab Code: LIBRTY Case No.: 33865 Client No.: 1125.0 SDG No.: Y1P13

Lab Sample ID: 574612 Date Received: 02/17/2005

Lab File ID: 574612A71 Date Analyzed: 02/18/2005

Purge Volume: 25.0(ML) Dilution Factor: 1.0

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

Number TICs found: 4

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		UNKNOWN	3.17	5.9	J
02	7446-09-5	~~UNKNOWN~~ Sulfur Dioxide	3.59	23	JN
03		~~UNKNOWN~~	5.55	4.4	JN
04		UNKNOWN	17.55	0.53	J
05					
06					
07		SL, 4/5/05.			
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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Y1P21

Lab Name: COMPUCHEM Contract: 68W01043

Lab Code: LIBRTY Case No.: 33865 Client No.: 1125.0 SDG No.: Y1P13

Lab Sample ID: 574613 Date Received: 02/17/2005

Lab File ID: 574613A71 Date Analyzed: 02/18/2005

Purge Volume: 25.0(ML) Dilution Factor: 1.0

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

Number TICs found: 3

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01	7446-09-5	~~UNKNOWN~~ Sulfur Dioxide	3.58	4.7	JN
02	↓	~~UNKNOWN~~ ↓	5.58	2.9	JN
03		UNKNOWN	7.11	0.68	J
04					
05					
06					
07					
08					
09					
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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Y1P22

Lab Name: COMPUCHEM Contract: 68W01043

Lab Code: LIBRTY Case No.: 33865 Client No.: 1125.0 SDG No.: Y1P13

Lab Sample ID: 574614 Date Received: 02/17/2005

Lab File ID: 574614A71 Date Analyzed: 02/18/2005

Purge Volume: 25.0(ML) Dilution Factor: 1.0

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

Number TICs found: 3

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01	75-45-6	METHANE, CHLORODIFLUORO-	3.33	7.5	NJ
02	~~420-56-4~~	~~SILANE, FLUOROTRIMETHYL-~~	~~4.08~~	~~1.3~~	~~NJ~~
03	7446-09-5	SULFUR DIOXIDE	5.54	2.0	NJ
04					
05					
06		SL, 4/5/05			
07					
08					
09					
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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Y1P23

Lab Name: COMPUCHEM Contract: 68W01043

Lab Code: LIBRTY Case No.: 33865 Client No.: 1125.0 SDG No.: Y1P13

Lab Sample ID: 574615 Date Received: 02/17/2005

Lab File ID: 574615A71 Date Analyzed: 02/18/2005

Purge Volume: 25.0(ML) Dilution Factor: 1.0

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

Number TICs found: 2

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01	75-45-6	METHANE, CHLORODIFLUORO-	3.32	11	NJ
02	~~420-56-4~~	~~SILANE, FLUOROTRIMETHYL-~~	~~4.08~~	~~1.5~~	~~NJ~~
03					
04					
05		SL 4/5/05.			
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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Y1P24

Lab Name: COMPUCHEM Contract: 68W01043

Lab Code: LIBRTY Case No.: 33865 Client No.: 1125.0 SDG No.: Y1P13

Lab Sample ID: 574616 Date Received: 02/17/2005

Lab File ID: 574616A71 Date Analyzed: 02/18/2005

Purge Volume: 25.0(ML) Dilution Factor: 3.6

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	7446-09-5	SULFUR DIOXIDE	5.58	3.2	NJ
02					
03					
04					
05					
06					
07					
08					
09					
10					
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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Y1P25

Lab Name: COMPUCHEM Contract: 68W01043

Lab Code: LIBRTY Case No.: 33865 Client No.: 1125.0 SDG No.: Y1P13

Lab Sample ID: 574617 Date Received: 02/17/2005

Lab File ID: 574617A71 Date Analyzed: 02/18/2005

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	3.50	41	J
02					
03					
04					
05					
06					
07					
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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Y1P26 (ER)

Lab Name: COMPUCHEM Contract: 68W01043

Lab Code: LIBRTY Case No.: 33865 Client No.: 1125.0 SDG No.: Y1P13

Lab Sample ID: 574618 Date Received: 02/17/2005

Lab File ID: 574618A71 Date Analyzed: 02/18/2005

Purge Volume: 25.0(ML) Dilution Factor: 1.0

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

Number TICs found: 2

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01	115-11-7	1-PROPENE, 2-METHYL-	3.74	0.99	NJ
02		~~UNKNOWN~~	~~6.33~~	~~1.4~~	~~J~~
03					
04					
05		SL, 4/5/05.			
06					
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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Y1P27

Lab Name: COMPUCHEM Contract: 68W01043

Lab Code: LIBRTY Case No.: 33865 Client No.: 1125.0 SDG No.: Y1P13

Lab Sample ID: 574619 Date Received: 02/18/2005

Lab File ID: 574619A71 Date Analyzed: 02/18/2005

Purge Volume: 25.0(ML) Dilution Factor: 1.0

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

Number TICs found: 2

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		UNKNOWN	3.51	1.4	J
02	~~420-56-4~~	~~SILANE, FLUOROTRIMETHYL-~~	~~4.09~~	~~0.61~~	~~NJ~~
03					
04					
05		SL, 4/5/05.			
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ALKANE NARRATIVE REPORT
Report date : 02/25/2005
SDG: Y1P13

Client Sample ID: Y1P29 Lab Sample ID: 574621 File ID: 574621A73

Compound	RT	Est. Conc.	Q
Branched Alkane	5.35	0.92	J

In Reference to
Case 33865, SDG# Y1P13

Contract Laboratory program
REGIONAL/LABORATORY COMMUNICATION SYSTEM

Telephone Record Log

Date of Call: April 6, 2005

Laboratory Name: Liberty Analytical Corporation

Lab Contact: Bob Meierer

Region: 9

Regional Contact: Steve Remaley, CLP PO

ESAT Reviewer: Santiago Lee, ESAT/Laboratory Data Consultants

Call Initiated By: _____ Laboratory ___X___ Region

In reference to data for the following sample(s):

SDG No.: Y1P13 (VOA)

Summary of Questions/issues Discussed:

The following item was noted during the review of this sample delivery group (SDG). Please respond within 7 days as specified in Section 2.2 of Exhibit B of the OLM04.2 Statement of Work (SOW). Send response and resubmissions to ICF Consulting/Laboratory Data Consultants, Environmental Services Assistance Team, USEPA Region 9 Laboratory, 1337 S. 46th Street, Building 201, Richmond, CA 94804, FAX 510 412-2304.

In order to fully validate the data packages, Region 9 requests the following information for all standards (calibration and QC): expiration date of standard, preparation date, lot number, standard source (name of vendor), concentration and volume of spiking and LCS Solutions. Please provide the above listed data.

Summary of Resolution: To be determined.

_____ _____

Regional Contact Signature Date of Resolution

Distribution: (original)ESAT; (1)Lab copy, (2)Regional Copy, (3)CLASS copy

Table 9. Volatile Deuterated Monitoring Compounds and the Associated Target Compounds

Chloroethane-d5 (DMC)	1,2-Dichloropropane-d6 (DMC)	1,2-Dichlorobenzene-d4 (DMC)
Dichlorodifluoromethane	Cyclohexane	Chorobenzene
Chloromethane	Methylcyclohexane	1,3-Dichlorobenzene
Bromomethane	1,2-Dichloropropane	1,4-Dichlorobenzene
Chloroethane	Bromodichloromethane	1,2-Dichlorobenzene
Carbon Disulfide		1,2,4-Trichlorobenzene
		1,2,3-Trichlorobenzene

Bromoform-d (DMC)	trans-1,3-Dichloropropene-d4 (DMC)	Chloroform-d (DMC)
Dibromochloromethane	cis-1,3-Dichloropropene	1,1-Dichloroethane
1,2-Dibromoethane	trans-1,3-Dichloropropene	Bromochloromethane
Bromoform	1,1,2-Trichloroethane	Chloroform

2-Butanone-d5 (DMC)	1,1-Dichloroethene-d2 (DMC)	2-Hexanone-d5 (DMC)
Acetone	trans-1,2-Dichloroethene	4-Methyl-2-pentanone
2-Butanone	cis-1,2-Dichloroethene	2-Hexanone

Vinyl Chloride-d3 (DMC)	Benzene-d6 (DMC)	1,1,2,2-Tetrachloroethane-d2 (DMC)
Vinyl Chloride	Benzene	1,1,2,2,-Tetrachlorocrethane
		1,2-Dibromo-3-chloropropane

1,2-Dichloroethane-d4 (DMC)	Toulene-d8 (DMC)
Trichlorofluoromethane	Trichloroethene
1,1-Dichloroethene	Toluene
1,1,2-Trichloro-1,2,2-trifluoroethane	Tetrachloroethene
Methyl Acetate	Ethylbenzene
Methylene Chloride	Xylenes (total)
Methyl tert-Butyl Ether	Styrene
1,1,1-Trichloroethane	Isopropylbenzene
Carbon Tetrachloride	
1,2-Dichloroethane	