1LC
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

Y1TG5

Lab Name: COMPUCHEM Contract: 68W01043

Lab Code: LIBRTY Case No.: 34003 Client No.: 1125 SDG No.: Y1TG1

Lab Sample ID: 613107 Date Received: 04/01/2005

Lab File ID: 613107B73 Date Analyzed: 04/06/2005

Purge Volume: 25.0(ML) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-65-0	tert butyl alcohol	5.0	U

FORM I LCV-3 OLC03.2

AMENDED DATA 5-17-05

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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

Y1TG8

Lab Name: COMPUCHEM Contract: 68W01043

Lab Code: LIBRTY Case No.: 34003 Client No.: 1125 SDG No.: Y1TG1

Lab Sample ID: 613110 Date Received: 04/01/2005

Lab File ID: 613110A73 Date Analyzed: 04/07/2005

Purge Volume: 25.0(ML) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-65-0	tert butyl alcohol	5.0	U

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Data File: /chem/5972hp73.i/DF050407A73.b/613111A73.d

Date : 07-APR-2005 11:42

Client ID: Y1TH0

Instrument: 5972hp73.i

Sample Info:

Purge Volume: 25.0

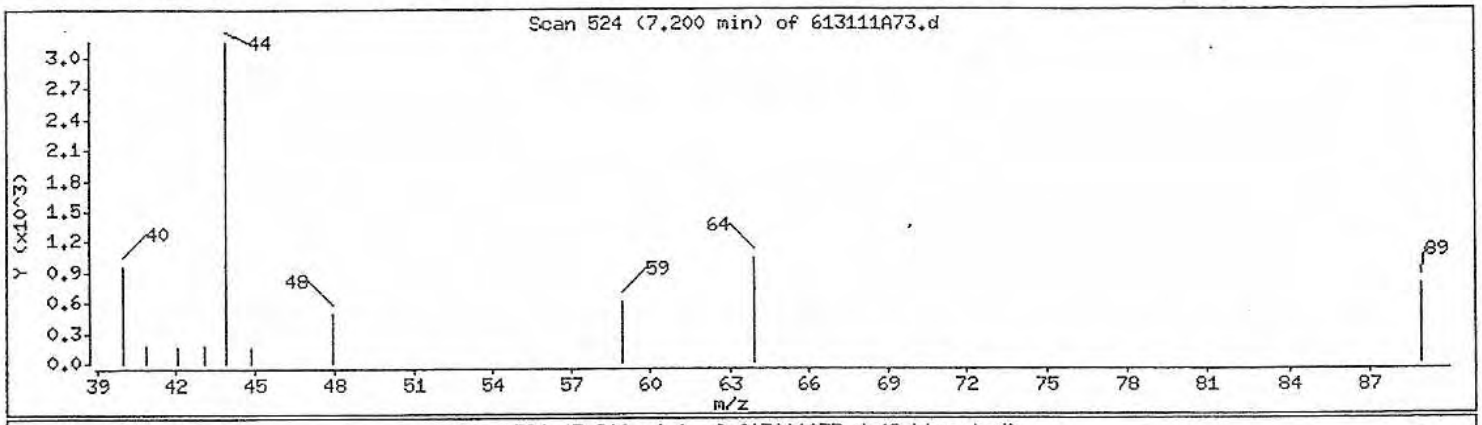
Operator: 2423

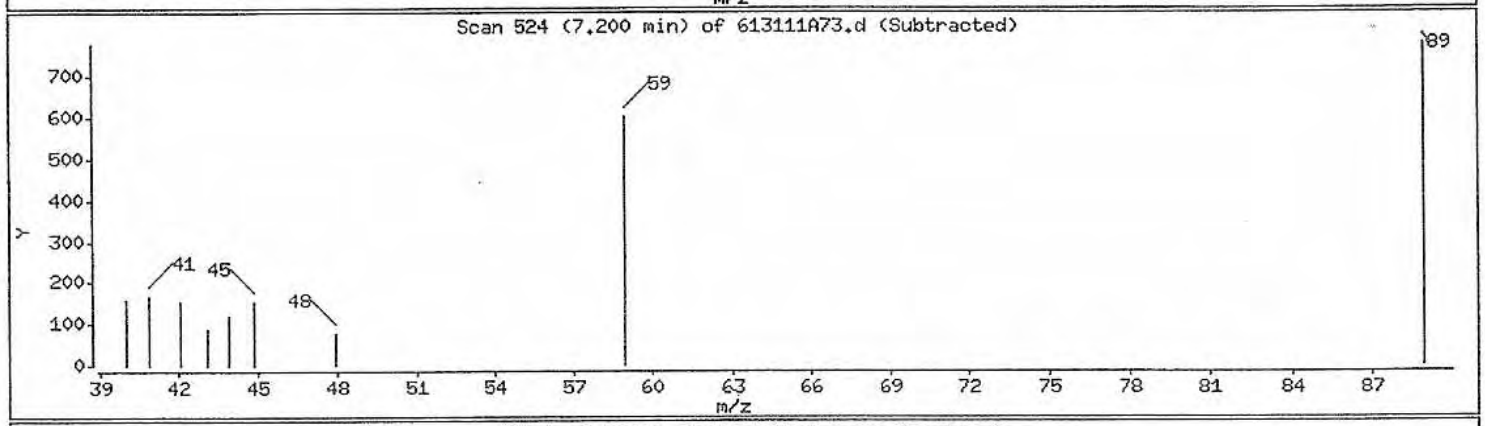
Column phase: SPB-624

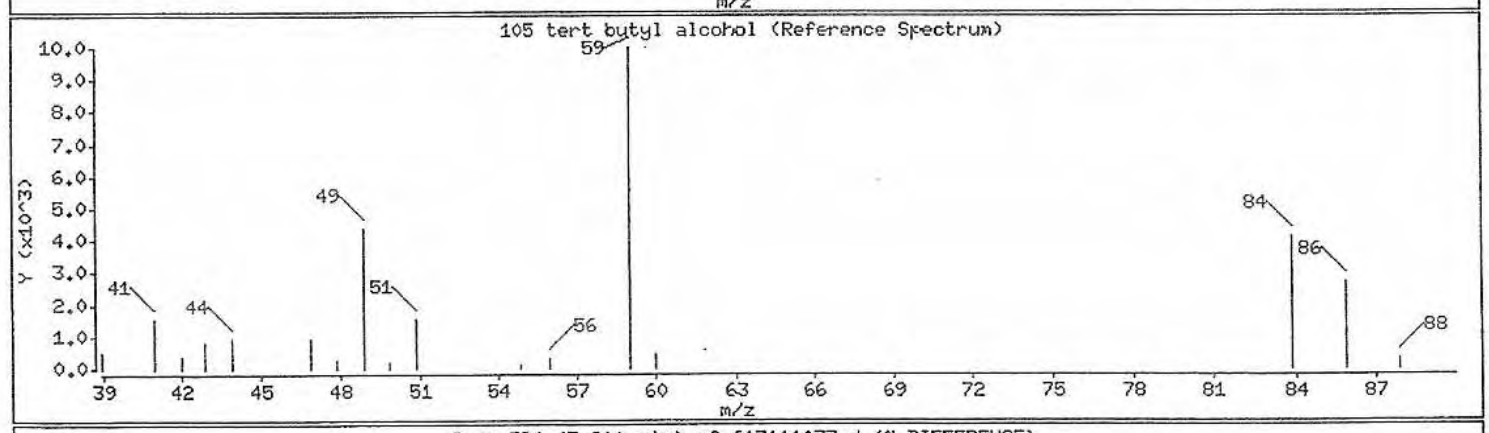
Column diameter: 0.32

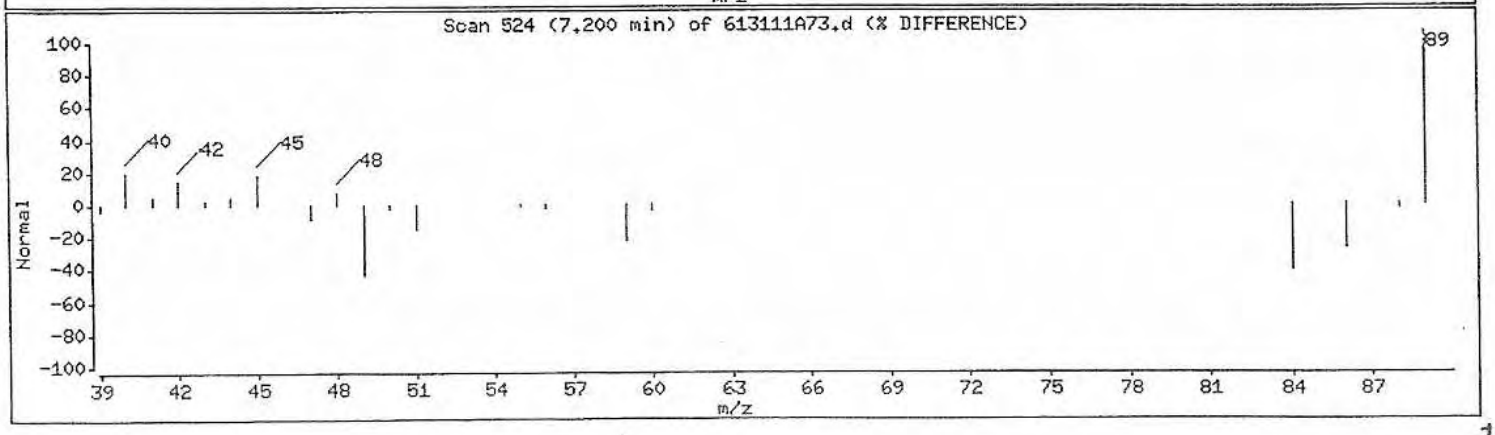
105 tert butyl alcohol

Concentration: 5.7 ug/L









1LCB
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

Y1TG1

Lab Name: COMPUCHEM Contract: 68W01043

Lab Code: LIBRTY Case No.: 34003 Client No.: 1125 SDG No.: Y1TG1

Lab Sample ID: 613101 Date Received: 03/31/2005

Lab File ID: 613101B73 Date Analyzed: 04/06/2005

Purge Volume: 25.0(ML) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
79-01-6	Trichloroethene	0.26	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	0.11	J
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	0.11	J
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
1330-20-7	Xylene (Total)	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

FORM I LCV-2 OLC03.2

AMENDED DATA 5-17-05

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Review of SGV Area 3 CLP VOC Data Validation Reports

The summaries below are based on review of 4 data validation reports prepared by EPA Region IX for VOC analyses performed by CLP laboratories on groundwater samples collected from EPA monitoring wells in SGV Area 3.

1. All 4 reports (VOC analytical results from 08/04, 11/04, 02/05, and 03/05 sampling events) documented problems with method and equipment blank contamination. Results were qualified as non-detected and estimated. Blank contamination existed for the following compounds: toluene, trichloroethene (case no. 33865), methylene chloride, cis-1,3-dichloropropene, acetone (33179 and 33529), methyl tert-butyl ether (33179), 2-butanone (33179 and 33529), styrene (33529), bromoform (33529), and 1,2,4-trichlorobenzene (33529). These compounds are generally not detected and will not drive risk from a human health standpoint. Of the major risk drivers, trichloroethene was impacted only in a storage blank sample and qualified as non-detected (at 0.5 ug/L) and estimated due method blank contamination (case no. 33865).

2. All 4 reports documented calibration problems consisting of low relative response factors (low instrument sensitivity) and a large percentage of relative standard deviation exceeding the + or – 30% validation criterion. The results for several analytes were qualified as estimated with a J flag. The analytes impacted by these calibration problems are generally not detected and are not major human health risk drivers.

3. Three of the reports (case nos. 33529, 33179, and 33865) contain estimated results (J flags) due to deuterated monitoring compound (DMC) recoveries outside QC limits. The recoveries were lower than the QC limits. The impacted analytes are generally not detected and are not major human health risk drivers.

The detected concentrations of trichloroethene (TCE) in the data validation reports range from 0.11 to 270 μg/L. The maximum detected TCE concentration (270 μg/L) exceeds the Cal-modified Region 9 PRG (for tap water) of 1.4 μg/L and the MCL of 5 μg/L.

The detected concentrations of tetrachloroethene (PCE) in the data validation reports range from 0.12 to 12 μg/L. The maximum detected PCE concentration (12 μg/L) exceeds the Region 9 PRG (for tap water) of 0.1 μg/L and the MCL of 5 μg/L.