

Sample: Lab Blank

Volatile Organics by EPA 524.2/1666

Date Received: 10/01/99 Matrix: Water
Date Extracted: 10/06/99 Sample Amount: 5 mL
Date Analyzed: 10/06/99 Run Number: VBLK601
Instrument ID: HP-2 5973 Units: ug/L (ppb)

CAS #	Compound	Method	Concentration	Detection Limit
67-64-1	Acetone	524.2	ND	5
628-63-7	n-Amyl acetate	1666	ND	1
71-43-2	Benzene	524.2	ND	1
123-86-4	n-Butyl acetate	1666	ND	1
108-90-7	Chlorobenzene	524.2	ND	1
67-66-3	Chloroform	524.2	ND	1
95-50-1	1,2-Dichlorobenzene	524.2	ND	1
107-06-2	1,2-Dichloroethane	524.2	ND	1
141-78-6	Ethyl Acetate	1666	ND	2
142-82-5	n-Heptane	1666	ND	1
110-54-3	n-Hexane	1666	ND	1
78-84-2	Isobutyraldehyde	1666	ND	1
108-21-4	Isopropyl acetate	1666	ND	1
108-20-3	Isopropyl ether	1666	ND	1
75-09-2	Methylene chloride	524.2	ND	5
107-31-3	Methyl formate	1666	ND	5
108-10-1	Methyl isobutyl ketone	524.2	ND	1
109-99-9	Tetrahydrofuran	524.2	ND	1
108-88-3	Toluene	524.2	ND	1
1330-20-7	m/p-Xylenes	1666	ND	1
95-47-6	o-Xylene	1666	ND	1

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>QC Limits</u>
1,2-Dichloroethane-d ₄	103	82-121
Toluene-d ₈	99	87-110
Bromofluorobenzene	98	76-113

Matrix Spike (MS and MSD)
 % Recovery and RPD Summary

Date Analyzed: 10/06/99 Matrix: Water
 QC Batch 100699WV Units: ug/L (ppb)

Volatile Organic Compounds

<u>Compound</u>	<u>Conc Spiked</u>	<u>Conc Sample</u>	<u>MS</u>	<u>% Rec MS</u>	<u>MSD</u>	<u>% Rec MSD</u>	<u>RPD</u>
n-Amyl acetate	58.6	ND	2.2	4 **	1.3	2 **	51 **
Benzene	50.0	ND	51.5	103	49.7	99	4
Chlorobenzene	50.0	ND	49.1	98	50.6	101	3
1,2-Dichloroethane	60.8	ND	60.1	99	60.3	99	0
n-Heptane	51.1	ND	51.7	101	52.0	102	1
Isobutyraldehyde	59.9	ND	2.2	4 **	0.2	0 **	167 **
Isopropyl acetate	48.3	ND	39.8	82	40.0	83	1
Toluene	50.0	ND	50.7	101	51.3	103	1

** - Result is outside QC limits; sample matrix effect. Analysis of a laboratory fortified blank showed that the analytical system is in control.

Quality Control Limits

	<u>Recovery</u>	<u>RPD</u>
n-Amyl acetate	75-125	25
Benzene	75-125	25
Chlorobenzene	75-125	25
1,2-Dichloroethane	75-125	25
n-Heptane	75-125	25
Isobutyraldehyde	75-125	25
Isopropyl acetate	75-125	25
Toluene	75-125	25