

Test Code: V_6241E_W

METHOD DETECTION/REPORTING
LIMITS

Test Number: EPA624.1

Test Name: EPA 600 624.1 (Modified), Volatile Organic Compounds by GC/MS

Matrix: Aqueous

Units: µg/L

Type	Analyte	Synonym	MDL	PQL	EPA Lbl
A	1,1,1,2-Tetrachloroethane		0.22	2	*
A	1,1,1-Trichloroethane		0.33	2	*
A	1,1,2,2-Tetrachloroethane		0.1	2	*
A	1,1,2-Trichloro-1,2,2-trifluoroethane		0.36	5	*
A	1,1,2-Trichloroethane		0.1	0.5	*
A	1,1-Dichloro-2-propanone		2.73	30	*
A	1,1-Dichloroethane		0.39	2	*
A	1,1-Dichloroethene		0.38	2	*
A	1,1-Dichloropropene		0.1	2	*
A	1,2,3-Trichlorobenzene		0.18	2	*
A	1,2,3-Trichloropropane		0.17	2	*
A	1,2,3-Trimethylbenzene		0.14	2	*
A	1,2,4-Trichlorobenzene		0.24	2	*
A	1,2,4-Trimethylbenzene		0.1	2	*
A	1,2-Dibromo-3-chloropropane		0.34	2	*
A	1,2-Dibromoethane		0.12	2	*
A	1,2-Dichlorobenzene		0.22	2	*
A	1,2-Dichloroethane		0.11	2	*
A	1,2-Dichloropropane		0.11	2	*
A	1,3,5-Trimethylbenzene		0.14	2	*
A	1,3-Butadiene		0.14	2	*
A	1,3-Dichlorobenzene		0.1	2	*
A	1,3-Dichloropropane		0.1	2	*
A	1,4-Dichlorobenzene		0.14	2	*
A	1-Chlorobutane		0.1	5	*
A	2,2-Dichloropropane		0.1	2	*
A	2-Butanone		1.12	10	*
A	2-Chloroethyl vinyl ether		0.45	5	*
A	2-Chlorotoluene		0.1	2	*
A	2-Hexanone		0.4	10	*
A	2-Nitropropane		2.29	10	*
A	4-Chlorotoluene		0.1	2	*
A	4-Methyl-2-pentanone		0.43	10	*
A	Acetone		2.44	10	*
A	Acetonitrile		1.42	10	*
A	Acrolein		2.14	20	*
A	Acrylonitrile		0.25	5	*
A	Allyl chloride		0.21	5	*
A	Benzene		0.05	0.5	*
A	Bromobenzene		0.17	2	*
A	Bromochloromethane		0.16	2	*

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A	Bromodichloromethane		0.1	2	*
A	Bromoform		0.1	2	*
A	Bromomethane		1.01	5	*
A	Carbon disulfide		0.46	2	*
A	Carbon tetrachloride		0.1	2	*
A	Chlorobenzene		0.1	2	*
A	Chloroethane		0.21	2	*
A	Chloroform		0.21	2	*
A	Chloromethane		0.18	5	*
A	Chloroprene	Chloroprene	0.12	5	*
A	cis-1,2-Dichloroethene		0.15	2	*
A	cis-1,3-Dichloropropene		0.12	2	*
A	cis-1,4-Dichloro-2-butene		0.18	2	*
A	Cyclohexanone		16	20	*
A	Dibromochloromethane		0.17	2	*
A	Dibromomethane		0.16	2	*
A	Dichlorodifluoromethane		0.15	2	*
A	Diisopropyl ether		0.24	2	*
A	Ethyl acetate		1.07	10	*
A	Ethyl ether	Ethyl ether	0.17	5	*
A	Ethyl methacrylate		0.29	5	*
A	Ethyl-tert-butyl ether	Ethyl-tert-butyl ether	0.1	2	*
A	Ethylbenzene		0.1	2	*
A	Hexachlorobutadiene		0.27	5	*
A	Hexachloroethane		0.25	5	*
A	Iodomethane		2.6	5	*
A	Isopropyl acetate		0.17	2	*
A	Isopropylbenzene		0.12	2	*
A	m,p-Xylenes		0.18	2	*
A	Methacrylonitrile		0.51	5	*
A	Methyl Acetate		0.48	5	*
A	Methyl methacrylate		0.23	5	*
A	Methyl tert-butyl ether	Methyl tert-butyl ether	0.1	2	*
A	Methylacrylate	Methylacrylate	0.25	5	*
A	Methylene chloride		0.87	2	*
A	n-Amyl acetate	n-Amyl acetate	0.44	5	*
A	n-Butyl acetate		0.28	2	*
A	n-Butylbenzene		0.11	2	*
A	n-Heptane		0.2	5	*
A	n-Hexane	Hexane	1.54	5	*
A	n-Propyl acetate		0.24	2	*

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A	n-Propylbenzene		0.1	2	*
A	Naphthalene		0.36	5	*
A	Nitrobenzene		10	50	*
A	o-Xylene		0.1	2	*
A	p-Isopropyltoluene		0.1	2	*
A	Pentachloroethane		0.36	5	*
A	Propionitrile		0.92	10	*
A	sec-Butylbenzene		0.1	2	*
A	Styrene		0.14	2	*
A	tert-Amyl ethyl ether		0.23	2	*
A	tert-Amyl methyl ether		0.1	2	*
A	tert-Butyl alcohol	tert-Butyl alcohol	1.49	10	*
A	tert-Butylbenzene		0.11	2	*
A	Tetrachloroethene		0.1	0.5	*
A	Tetrahydrofuran		0.81	5	*
A	Toluene		0.1	2	*
A	trans-1,2-Dichloroethene		0.1	2	*
A	trans-1,3-Dichloropropene		0.12	2	*
A	trans-1,4-Dichloro-2-butene		0.17	2	*
A	Trichloroethene		0.18	2	*
A	Trichlorofluoromethane		0.13	5	*
A	Vinyl acetate		0.33	5	*
A	Vinyl chloride		0.1	2	*
C	Xylenes, Total		0.28	4	*
C	1,3-Dichloropropene, Total		0.24	4	*
C	1,2-Dichloroethene, Total		0.25	4	*
C	1,4-Dichloro-2-butene, Total		0.35	4	*