Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090624\
Data File : VU060640.D
Acq On : 06 Sep 2024 12:41
Operator : MD/SY
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Quant Time: Sep 07 00:35:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U090624DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Sat Sep 07 00:33:26 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.110	96	36214	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	13506	1.092	ug/l	0.00
Spiked Amount 1.000			Recovery = 109.000%			
68) 1,2-Dichlorobenzene-d4	12.187	152	13038	0.978	ug/l	0.00
Spiked Amount 1.000			Recovery = 98.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	31565	2.215	ug/l	97
3) Chloromethane	1.518	50	31736	1.995	ug/l	98
4) Vinyl Chloride	1.602	62	30638	1.937	ug/l	99
5) Bromomethane	1.856	94	18361	1.879	ug/l	99
6) Chloroethane	1.933	64	17732	1.871	ug/l	97
7) Trichlorofluoromethane	2.136	101	43963	2.242	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	18989	1.844	ug/l	98
9) 1,1-Dichloroethene	2.573	96	18792	1.755	ug/l	97
10) Iodomethane	2.718	142	23159	1.486	ug/l	97
11) Allyl Chloride	2.917	41	23929	1.646	ug/l	94
12) Acrylonitrile	3.341	53	7977m	2.882	ug/l	
13) Acetone	2.653	43	38752m	10.701	ug/l	
14) Carbon Disulfide	2.788	76	62876	1.744	ug/l	97
15) Methylene Chloride	3.039	84	25716	1.931	ug/l	98
16) trans-1,2-Dichloroethene	3.348	96	20529	1.797	ug/l	100
17) 1,1-Dichloroethane	3.862	63	38069	1.733	ug/l	98
18) 2-Butanone	4.727	43	43410m	10.632	ug/l	
19) Cyclohexane	5.377	56	29189m	1.549	ug/l	
20) Methylcyclohexane	6.756	83	29078	1.900	ug/l	98
21) 2,2-Dichloropropane	4.653	77	31923	1.843	ug/l	100
22) cis-1,2-Dichloroethene	4.660	96	21162	1.729	ug/l	96
23) Diethyl Ether	2.374	59	16018	1.839	ug/l	98
24) tert-Butyl Alcohol	3.335	59	14120m	13.368	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	42655	1.629	ug/l	99
26) Bromochloromethane	4.968	128	10113	1.929	ug/l	96
27) Chloroform	5.081	83	40763	1.882	ug/l	100
28) 1,1,1-Trichloroethane	5.309	97	36169	1.983	ug/l	99
29) 1,1-Dichloropropene	5.518	75	27312	1.863	ug/l	98
30) Carbon Tetrachloride	5.515	117	31889	2.114	ug/l	93
31) Isopropyl Ether	3.984	45	47608	1.502	ug/l	95
32) Ethyl-t-butyl ether	4.496	59	44846	1.456	ug/l	99
33) Tert-Amyl methyl ether	5.933	73	39353	1.747	ug/l	97
34) Propionitrile	4.817	54	8451m	7.589	ug/l	
35) Benzene	5.769	78	84636	1.906	ug/l	100
36) 1,2-Dichloroethane	5.791	62	25417	2.024	ug/l	97
37) Trichloroethene	6.537	130	22278	2.009	ug/l	96
38) 1,2-Dichloropropane	6.785	63	22593	1.884	ug/l	99
39) Methacrylonitrile	4.984	41	4804	1.207	ug/l #	93
40) Methyl acrylate	4.862	55	11498m	1.624	ug/l	
41) Tetrahydrofuran	5.071	42	6153	2.814	ug/l #	77
42) 1-Chlorobutane	5.451	56	35445	1.769	ug/l	93
43) Dibromomethane	6.914	93	11703	1.928	ug/l	92
44) Bromodichloromethane	7.100	83	29374	2.001	ug/l #	92

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U090624DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Sat Sep 07 00:33:26 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	52920	9.160	ug/l	97
46) t-1,4-Dichloro-2-butene	10.820	75	13255m	4.139	ug/l	
47) Methyl methacrylate	6.962	69	17566	3.570	ug/l	95
48) Ethyl methacrylate	8.332	69	15525	1.836	ug/l	96
49) Toluene	7.965	92	46966	1.906	ug/l	97
50) t-1,3-Dichloropropene	8.206	75	24111	1.973	ug/l	100
51) cis-1,3-Dichloropropene	7.605	75	27343	1.863	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	15327	1.734	ug/l	97
53) 1,3-Dichloropropane	8.569	76	26408	1.856	ug/l	99
54) 2-Hexanone	8.682	43	53772	11.532	ug/l	93
55) Dibromochloromethane	8.801	129	18941	1.917	ug/l	99
56) 1,2-Dibromoethane	8.920	107	14722	1.858	ug/l	94
58) Tetrachloroethene	8.547	164	21397	2.130	ug/l	98
59) Chlorobenzene	9.441	112	53286	1.978	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.524	131	20365	1.927	ug/l	99
61) Pentachloroethane	11.418	117	15574	1.759	ug/l	99
62) Hexachloroethane	12.466	117	15515	1.797	ug/l	97
63) Ethyl Benzene	9.563	91	81819	1.939	ug/l	99
64) m/p-Xylenes	9.688	106	65566	3.924	ug/l	98
65) o-Xylene	10.094	106	32311	2.006	ug/l	99
66) Styrene	10.110	104	49879	1.878	ug/l	99
67) Bromoform	10.283	173	10621	1.838	ug/l	99
69) Isopropylbenzene	10.479	105	80872	1.964	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	18747	1.608	ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	15735m	1.840	ug/l	
72) Bromobenzene	10.778	156	21297	1.938	ug/l	82
73) n-propylbenzene	10.901	120	21978	1.920	ug/l	98
74) 2-Chlorotoluene	10.978	126	21071	1.971	ug/l	94
75) 1,3,5-Trimethylbenzene	11.081	105	70281	1.957	ug/l	96
76) 4-Chlorotoluene	11.093	126	21749	1.958	ug/l	99
77) tert-Butylbenzene	11.412	119	68704	1.959	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	70457	1.920	ug/l	99
79) sec-Butylbenzene	11.634	105	89788	1.933	ug/l	100
80) Nitrobenzene	13.219	77	1907m	3.857	ug/l	
81) p-Isopropyltoluene	11.785	119	74154	1.963	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	44562	1.953	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	44606	1.973	ug/l	96
84) n-Butylbenzene	12.203	91	67186	1.841	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	40897	1.856	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.994	75	2948	1.727	ug/l	88
87) 1,2,4-Trichlorobenzene	13.836	180	21694	1.718	ug/l	97
88) Hexachlorobutadiene	14.013	225	16743	2.032	ug/l	98
89) Naphthalene	14.084	128	25252	1.164	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	19509	1.613	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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