Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061224\
Data File : VU059222.D
Acq On : 12 Jun 2024 14:38
Operator : MD/SY
Sample : P2403-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT2-2024

Quant Time: Jun 13 04:38:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060524DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jun 13 04:35:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.110	96	44002	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	14368	0.960	ug/l	0.00
Spiked Amount 1.000			Recovery =	96.000%		
68) 1,2-Dichlorobenzene-d4	12.190	152	15209	0.970	ug/l	0.00
Spiked Amount 1.000			Recovery =	97.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	13459	0.976	ug/l	99
3) Chloromethane	1.515	50	16176	0.975	ug/l	98
4) Vinyl Chloride	1.599	62	16870	1.006	ug/l	93
5) Bromomethane	1.853	94	10668	1.047	ug/l	97
6) Chloroethane	1.930	64	10436	0.967	ug/l	96
7) Trichlorofluoromethane	2.133	101	19777	0.950	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	10661	0.997	ug/l	98
9) 1,1-Dichloroethene	2.576	96	10749	1.014	ug/l	97
10) Iodomethane	2.718	142	13701	1.025	ug/l	99
11) Allyl Chloride	2.917	41	13675	0.955	ug/l	98
12) Acrylonitrile	3.348	53	5066m	2.116	ug/l	
13) Acetone	2.644	43	14556m	3.995	ug/l	
14) Carbon Disulfide	2.788	76	33320	0.986	ug/l	100
15) Methylene Chloride	3.039	84	24437	1.682	ug/l	93
16) trans-1,2-Dichloroethene	3.348	96	11570	1.000	ug/l	97
17) 1,1-Dichloroethane	3.862	63	24227	1.000	ug/l	98
18) 2-Butanone	4.730	43	16337m	4.042	ug/l	
19) Cyclohexane	5.380	56	15355m	0.876	ug/l	
20) Methylcyclohexane	6.756	83	15738	0.894	ug/l	98
21) 2,2-Dichloropropane	4.660	77	16908	0.944	ug/l #	81
22) cis-1,2-Dichloroethene	4.666	96	12985	1.033	ug/l	96
23) Diethyl Ether	2.370	59	9130	0.919	ug/l	99
24) tert-Butyl Alcohol	3.242	59	5503m	8.632	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	25290	0.995	ug/l	98
26) Bromochloromethane	4.972	128	5965	1.124	ug/l	91
27) Chloroform	5.081	83	23575	0.968	ug/l	96
28) 1,1,1-Trichloroethane	5.312	97	19027	0.991	ug/l	99
29) 1,1-Dichloropropene	5.525	75	15387	0.957	ug/l	100
30) Carbon Tetrachloride	5.518	117	15702	0.998	ug/l	97
31) Isopropyl Ether	3.985	45	28727	0.905	ug/l	92
32) Ethyl-t-butyl ether	4.493	59	26344	0.892	ug/l	92
33) Tert-Amyl methyl ether	5.933	73	23579	0.904	ug/l	99
34) Propionitrile	4.804	54	4563m	4.928	ug/l	
35) Benzene	5.769	78	50445	0.997	ug/l	95
36) 1,2-Dichloroethane	5.792	62	14944	0.996	ug/l	99
37) Trichloroethene	6.541	130	12467	1.032	ug/l	97
38) 1,2-Dichloropropane	6.785	63	14034	0.977	ug/l	94
39) Methacrylonitrile	4.988	41	3156	0.914	ug/l #	78
40) Methyl acrylate	4.875	55	5555m	0.919	ug/l	
41) Tetrahydrofuran	5.068	42	3674m	1.989	ug/l	
42) 1-Chlorobutane	5.454	56	20002	0.900	ug/l	99
43) Dibromomethane	6.917	93	6516	1.002	ug/l	93
44) Bromodichloromethane	7.100	83	16534	0.981	ug/l	92

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	29594	4.244 ug/l	98
46) t-1,4-Dichloro-2-butene	10.830	75	5539m	1.872 ug/l	
47) Methyl methacrylate	6.962	69	9330	1.670 ug/l	97
48) Ethyl methacrylate	8.332	69	8268	0.838 ug/l	96
49) Toluene	7.965	92	26697	0.958 ug/l	99
50) t-1,3-Dichloropropene	8.209	75	13295	0.922 ug/l	96
51) cis-1,3-Dichloropropene	7.605	75	16830	0.953 ug/l	99
52) 1,1,2-Trichloroethane	8.396	97	9660	1.005 ug/l	97
53) 1,3-Dichloropropane	8.570	76	16225	0.980 ug/l	95
54) 2-Hexanone	8.685	43	22778m	4.214 ug/l	
55) Dibromochloromethane	8.804	129	10936	1.051 ug/l	95
56) 1,2-Dibromoethane	8.923	107	8461	1.004 ug/l	97
58) Tetrachloroethene	8.550	164	12299	1.104 ug/l	91
59) Chlorobenzene	9.444	112	30486	1.000 ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.528	131	10963	1.004 ug/l	97
61) Pentachloroethane	11.418	117	7987	0.943 ug/l	100
62) Hexachloroethane	12.470	117	8023	0.932 ug/l	97
63) Ethyl Benzene	9.566	91	46146	0.897 ug/l	98
64) m/p-Xylenes	9.688	106	33104	1.706 ug/l	98
65) o-Xylene	10.097	106	16985	0.887 ug/l	98
66) Styrene	10.113	104	26512	0.867 ug/l	98
67) Bromoform	10.287	173	5971	1.060 ug/l #	96
69) Isopropylbenzene	10.479	105	42815	0.873 ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.775	83	12196	1.009 ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	9671m	1.049 ug/l	
72) Bromobenzene	10.778	156	11637	0.990 ug/l	87
73) n-propylbenzene	10.901	120	10693	0.816 ug/l	89
74) 2-Chlorotoluene	10.984	126	11448	0.955 ug/l	87
75) 1,3,5-Trimethylbenzene	11.084	105	34863	0.841 ug/l	99
76) 4-Chlorotoluene	11.094	126	11137	0.889 ug/l	96
77) tert-Butylbenzene	11.415	119	33685	0.856 ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	35516	0.849 ug/l	100
79) sec-Butylbenzene	11.637	105	46721	0.855 ug/l	98
80) Nitrobenzene	13.232	77	1077	4.163 ug/l #	58
81) p-Isopropyltoluene	11.788	119	34426	0.821 ug/l	97
82) 1,3-Dichlorobenzene	11.743	146	24185	0.971 ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	24243	0.973 ug/l	98
84) n-Butylbenzene	12.206	91	32978	0.836 ug/l	96
85) 1,2-Dichlorobenzene	12.209	146	23784	1.012 ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.997	75	1406	0.855 ug/l	94
87) 1,2,4-Trichlorobenzene	13.839	180	12549	0.997 ug/l	98
88) Hexachlorobutadiene	14.013	225	8118	1.033 ug/l	94
89) Naphthalene	14.090	128	17079m	0.834 ug/l	
90) 1,2,3-Trichlorobenzene	14.328	180	10841	0.947 ug/l	97

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

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