

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020224\
 Data File : VU057798.D
 Acq On : 02 Feb 2024 17:41
 Operator : MD/SY
 Sample : P1187-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2024

Quant Time: Feb 05 02:35:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Feb 05 02:31:17 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/14/2024
 Supervised By : Mahesh Dadoda 02/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.110	96	40023	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	13363	0.882	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	12028	0.881	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	4183	0.314	ug/l	99
3) Chloromethane	1.518	50	4270	0.334	ug/l	99
4) Vinyl Chloride	1.602	62	3906	0.300	ug/l #	86
5) Bromomethane	1.856	94	2845	0.368	ug/l	97
6) Chloroethane	1.930	64	2782	0.338	ug/l	96
7) Trichlorofluoromethane	2.132	101	6158	0.308	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	3018	0.294	ug/l	95
9) 1,1-Dichloroethene	2.573	96	2917	0.293	ug/l	85
10) Iodomethane	2.718	142	3316	0.281	ug/l	89
11) Allyl Chloride	2.923	41	4305	0.319	ug/l	91
12) Acrylonitrile	3.354	53	842	0.496	ug/l #	85
13) Acetone	2.656	43	3613	1.176	ug/l	93
14) Carbon Disulfide	2.788	76	9869	0.310	ug/l	95
15) Methylene Chloride	3.042	84	5804	0.489	ug/l	95
16) trans-1,2-Dichloroethene	3.351	96	3268	0.301	ug/l #	87
17) 1,1-Dichloroethane	3.865	63	6357	0.310	ug/l	99
18) 2-Butanone	4.750	43	3059	0.924	ug/l	73
19) Cyclohexane	5.377	56	5171	0.322	ug/l	92
20) Methylcyclohexane	6.759	83	5852	0.301	ug/l	96
21) 2,2-Dichloropropane	4.663	77	5368	0.295	ug/l	97
22) cis-1,2-Dichloroethene	4.666	96	3812	0.320	ug/l	90
23) Diethyl Ether	2.374	59	2327	0.324	ug/l #	82
24) tert-Butyl Alcohol	3.283	59	3164m	3.877	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	7228	0.310	ug/l #	88
26) Bromochloromethane	4.978	128	1198	0.251	ug/l #	81
27) Chloroform	5.087	83	6862	0.322	ug/l	88
28) 1,1,1-Trichloroethane	5.309	97	5787	0.301	ug/l	79
29) 1,1-Dichloropropene	5.525	75	4912	0.315	ug/l	92
30) Carbon Tetrachloride	5.521	117	4752	0.287	ug/l	97
31) Isopropyl Ether	3.988	45	9255	0.308	ug/l	98
32) Ethyl-t-butyl ether	4.492	59	8705	0.313	ug/l	98
33) Tert-Amyl methyl ether	5.939	73	7237	0.309	ug/l	96
34) Propionitrile	4.865	54	724m	1.055	ug/l	
35) Benzene	5.772	78	13238	0.295	ug/l	97
36) 1,2-Dichloroethane	5.801	62	4079	0.312	ug/l #	93
37) Trichloroethene	6.541	130	4012	0.337	ug/l	88
38) 1,2-Dichloropropane	6.788	63	3689	0.317	ug/l #	88
39) Methacrylonitrile	5.007	41	672	0.246	ug/l #	26
40) Methyl acrylate	4.901	55	848	0.206	ug/l #	71
41) Tetrahydrofuran	5.084	42	964m	0.660	ug/l	
42) 1-Chlorobutane	5.457	56	5986	0.292	ug/l	83
43) Dibromomethane	6.917	93	1618	0.303	ug/l #	65
44) Bromodichloromethane	7.103	83	4387	0.293	ug/l	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	7599	1.334	ug/l	97
46) t-1,4-Dichloro-2-butene	10.833	75	925m	0.715	ug/l	
47) Methyl methacrylate	6.968	69	2531	0.536	ug/l	91
48) Ethyl methacrylate	8.341	69	2184	0.231	ug/l	86
49) Toluene	7.968	92	8150	0.298	ug/l	97
50) t-1,3-Dichloropropene	8.213	75	3311	0.256	ug/l	95
51) cis-1,3-Dichloropropene	7.608	75	4785	0.292	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	2328	0.316	ug/l	92
53) 1,3-Dichloropropane	8.573	76	3894	0.294	ug/l	98
54) 2-Hexanone	8.692	43	6122	1.167	ug/l	90
55) Dibromochloromethane	8.807	129	2564	0.281	ug/l	95
56) 1,2-Dibromoethane	8.926	107	1888	0.278	ug/l	90
58) Tetrachloroethene	8.553	164	3370	0.321	ug/l	88
59) Chlorobenzene	9.447	112	9407	0.311	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.531	131	2951	0.287	ug/l	92
61) Pentachloroethane	11.421	117	1950	0.261	ug/l	92
62) Hexachloroethane	12.466	117	2135	0.262	ug/l	90
63) Ethyl Benzene	9.569	91	15659	0.291	ug/l	94
64) m/p-Xylenes	9.692	106	11033	0.564	ug/l	94
65) o-Xylene	10.097	106	5545	0.286	ug/l	90
66) Styrene	10.113	104	7491	0.259	ug/l	95
67) Bromoform	10.290	173	1296	0.276	ug/l #	79
69) Isopropylbenzene	10.479	105	14892	0.293	ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.778	83	2761	0.299	ug/l	92
71) 1,2,3-Trichloropropane	10.823	75	1780m	0.234	ug/l	
72) Bromobenzene	10.785	156	3090	0.277	ug/l	96
73) n-propylbenzene	10.904	120	4677	0.367	ug/l	92
74) 2-Chlorotoluene	10.984	126	3314	0.280	ug/l	95
75) 1,3,5-Trimethylbenzene	11.084	105	11897	0.273	ug/l	99
76) 4-Chlorotoluene	11.097	126	3022	0.254	ug/l	73
77) tert-Butylbenzene	11.415	119	11525	0.282	ug/l	96
78) 1,2,4-Trimethylbenzene	11.466	105	11981	0.271	ug/l	98
79) sec-Butylbenzene	11.640	105	14544	0.278	ug/l	98
80) Nitrobenzene	13.235	77	61	0.337	ug/l #	40
81) p-Isopropyltoluene	11.791	119	11575	0.263	ug/l	93
82) 1,3-Dichlorobenzene	11.746	146	6316	0.280	ug/l	100
83) 1,4-Dichlorobenzene	11.839	146	6371	0.289	ug/l	94
84) n-Butylbenzene	12.209	91	11007	0.261	ug/l	96
85) 1,2-Dichlorobenzene	12.209	146	6275	0.306	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	13.000	75	332	0.263	ug/l #	42
87) 1,2,4-Trichlorobenzene	13.846	180	2969	0.243	ug/l #	88
88) Hexachlorobutadiene	14.016	225	2146	0.273	ug/l	95
89) Naphthalene	14.097	128	5719	0.303	ug/l #	88
90) 1,2,3-Trichlorobenzene	14.334	180	2963	0.291	ug/l	97

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

