

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101823\
 Data File : VU055805.D
 Acq On : 18 Oct 2023 17:55
 Operator : MD/SY
 Sample : 04699-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2023

Quant Time: Oct 19 04:20:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 19 04:18:56 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Mahesh Dadoda 10/24/2023

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

Internal Standards						
1) Fluorobenzene	6.110	96	87935	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	34554	0.996	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	32154	1.000	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	26423	0.774	ug/l	97
3) Chloromethane	1.518	50	23616	0.809	ug/l	100
4) Vinyl Chloride	1.602	62	23845	0.797	ug/l	99
5) Bromomethane	1.856	94	15545	0.944	ug/l	91
6) Chloroethane	1.933	64	12770	0.881	ug/l	98
7) Trichlorofluoromethane	2.136	101	31907	0.809	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.580	101	20837	0.792	ug/l	96
9) 1,1-Dichloroethene	2.576	96	19402	0.791	ug/l	88
10) Iodomethane	2.718	142	26846	0.735	ug/l	100
11) Allyl Chloride	2.920	41	25257	0.792	ug/l	99
12) Acrylonitrile	3.335	53	6816	1.479	ug/l	98
13) Acetone	2.644	43	31025	3.155	ug/l	100
14) Carbon Disulfide	2.792	76	65460	0.818	ug/l	97
15) Methylene Chloride	3.043	84	25674	0.887	ug/l	93
16) trans-1,2-Dichloroethene	3.351	96	21138	0.813	ug/l	98
17) 1,1-Dichloroethane	3.866	63	39381	0.815	ug/l	98
18) 2-Butanone	4.724	43	30682	2.896	ug/l	95
19) Cyclohexane	5.383	56	30482m	0.739	ug/l	
20) Methylcyclohexane	6.759	83	31774	0.742	ug/l	97
21) 2,2-Dichloropropane	4.660	77	32504	0.798	ug/l	99
22) cis-1,2-Dichloroethene	4.666	96	21708	0.783	ug/l	94
23) Diethyl Ether	2.374	59	12955	0.884	ug/l	95
24) tert-Butyl Alcohol	3.223	59	12918m	8.590	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	40735	0.772	ug/l	98
26) Bromochloromethane	4.978	128	10361	0.882	ug/l	91
27) Chloroform	5.084	83	40571	0.818	ug/l	96
28) 1,1,1-Trichloroethane	5.313	97	35848	0.806	ug/l	96
29) 1,1-Dichloropropene	5.525	75	26292	0.747	ug/l	98
30) Carbon Tetrachloride	5.522	117	31029	0.799	ug/l	97
31) Isopropyl Ether	3.985	45	51888	0.799	ug/l	96
32) Ethyl-t-butyl ether	4.496	59	46957	0.749	ug/l	94
33) Tert-Amyl methyl ether	5.940	73	39328	0.732	ug/l	97
34) Propionitrile	4.821	54	6865m	4.096	ug/l	
35) Benzene	5.769	78	84892	0.796	ug/l	97
36) 1,2-Dichloroethane	5.795	62	23100	0.797	ug/l	98
37) Trichloroethene	6.541	130	22552	0.813	ug/l	96
38) 1,2-Dichloropropane	6.788	63	23222	0.834	ug/l	99
39) Methacrylonitrile	4.997	41	4598	0.736	ug/l #	81
40) Methyl acrylate	4.872	55	7226	0.718	ug/l #	88
41) Tetrahydrofuran	5.078	42	5101	1.441	ug/l	97
42) 1-Chlorobutane	5.457	56	35407	0.754	ug/l	98
43) Dibromomethane	6.917	93	10677	0.806	ug/l	99
44) Bromodichloromethane	7.103	83	26987	0.771	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	50857	3.714	ug/l	99
46) t-1,4-Dichloro-2-butene	10.836	75	5326m	0.978	ug/l	
47) Methyl methacrylate	6.965	69	15998	1.465	ug/l	97
48) Ethyl methacrylate	8.335	69	15463	0.746	ug/l	99
49) Toluene	7.968	92	49331	0.781	ug/l	98
50) t-1,3-Dichloropropene	8.213	75	23740	0.767	ug/l	96
51) cis-1,3-Dichloropropene	7.608	75	28368	0.749	ug/l	99
52) 1,1,2-Trichloroethane	8.396	97	15312	0.810	ug/l	98
53) 1,3-Dichloropropane	8.573	76	26312	0.814	ug/l	98
54) 2-Hexanone	8.689	43	42372	2.762	ug/l	98
55) Dibromochloromethane	8.808	129	17436	0.764	ug/l	97
56) 1,2-Dibromoethane	8.923	107	14012	0.811	ug/l	97
58) Tetrachloroethene	8.550	164	24597	0.852	ug/l	98
59) Chlorobenzene	9.447	112	54239	0.778	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.531	131	19805	0.797	ug/l	97
61) Pentachloroethane	11.422	117	13233	0.787	ug/l	98
62) Hexachloroethane	12.470	117	13112	0.736	ug/l	93
63) Ethyl Benzene	9.570	91	88727	0.750	ug/l	100
64) m/p-Xylenes	9.692	106	67642	1.487	ug/l	99
65) o-Xylene	10.100	106	32617	0.731	ug/l	92
66) Styrene	10.113	104	50621	0.725	ug/l	97
67) Bromoform	10.287	173	8871	0.724	ug/l	100
69) Isopropylbenzene	10.483	105	82799	0.721	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.779	83	18169	0.822	ug/l	99
71) 1,2,3-Trichloropropane	10.824	75	20323	1.109	ug/l #	50
72) Bromobenzene	10.782	156	22010	0.803	ug/l	87
73) n-propylbenzene	10.904	120	20258	0.684	ug/l	96
74) 2-Chlorotoluene	10.984	126	20052	0.728	ug/l	86
75) 1,3,5-Trimethylbenzene	11.084	105	69147	0.704	ug/l	99
76) 4-Chlorotoluene	11.097	126	20708	0.738	ug/l	98
77) tert-Butylbenzene	11.415	119	62684	0.696	ug/l	98
78) 1,2,4-Trimethylbenzene	11.467	105	66709	0.686	ug/l	99
79) sec-Butylbenzene	11.640	105	74291	0.654	ug/l	98
80) Nitrobenzene	13.229	77	2323m	3.971	ug/l	
81) p-Isopropyltoluene	11.791	119	60190	0.658	ug/l	98
82) 1,3-Dichlorobenzene	11.746	146	45949	0.821	ug/l	96
83) 1,4-Dichlorobenzene	11.836	146	41657	0.769	ug/l	96
84) n-Butylbenzene	12.206	91	54400	0.697	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	39471	0.772	ug/l	95
86) 1,2-Dibromo-3-Chloropr...	12.997	75	2764	0.875	ug/l #	83
87) 1,2,4-Trichlorobenzene	13.840	180	20629	0.743	ug/l	96
88) Hexachlorobutadiene	14.016	225	13926	0.722	ug/l	98
89) Naphthalene	14.090	128	32070	0.795	ug/l	99
90) 1,2,3-Trichlorobenzene	14.331	180	18062	0.758	ug/l	96

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

