

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072423\
 Data File : VU054856.D
 Acq On : 24 Jul 2023 13:25
 Operator : MD/SY
 Sample : 03572-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2023

Quant Time: Jul 25 06:03:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jul 25 05:02:28 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/25/2023
 Supervised By : Mahesh Dadoda 07/31/2023

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

Internal Standards						
1) Fluorobenzene	6.113	96	25374	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	7852	1.025	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	9008	1.015	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	2218	0.439	ug/l	95
3) Chloromethane	1.518	50	3202	0.546	ug/l	89
4) Vinyl Chloride	1.602	62	3491	0.464	ug/l	92
5) Bromomethane	1.856	94	2709	0.507	ug/l	91
6) Chloroethane	1.930	64	3071	0.432	ug/l	95
7) Trichlorofluoromethane	2.132	101	8076	0.443	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	2270	0.434	ug/l	96
9) 1,1-Dichloroethene	2.576	96	2059	0.472	ug/l	84
10) Iodomethane	2.714	142	3367	0.479	ug/l	91
11) Allyl Chloride	2.923	41	2200	0.430	ug/l	93
12) Acrylonitrile	3.361	53	864m	0.814	ug/l	
13) Acetone	2.644	43	2927m	3.215	ug/l	
14) Carbon Disulfide	2.788	76	3128	0.425	ug/l	96
15) Methylene Chloride	3.042	84	5530	0.679	ug/l	95
16) trans-1,2-Dichloroethene	3.351	96	2131	0.439	ug/l	94
17) 1,1-Dichloroethane	3.872	63	4185	0.408	ug/l #	92
18) 2-Butanone	4.746	43	3628m	2.724	ug/l	
19) Cyclohexane	5.386	56	3025	0.509	ug/l	92
20) Methylcyclohexane	6.756	83	3592	0.455	ug/l	93
21) 2,2-Dichloropropane	4.656	77	4532	0.506	ug/l #	80
22) cis-1,2-Dichloroethene	4.666	96	2450	0.399	ug/l	78
23) Diethyl Ether	2.374	59	3066	0.457	ug/l	99
24) tert-Butyl Alcohol	3.248	59	2195m	3.799	ug/l	
25) Methyl tert-Butyl Ether	3.367	73	6705	0.503	ug/l	93
26) Bromochloromethane	4.975	128	979	0.418	ug/l	86
27) Chloroform	5.084	83	5410	0.480	ug/l	94
28) 1,1,1-Trichloroethane	5.316	97	4021	0.424	ug/l	98
29) 1,1-Dichloropropene	5.528	75	3189	0.473	ug/l #	77
30) Carbon Tetrachloride	5.518	117	3395	0.431	ug/l	95
31) Isopropyl Ether	3.984	45	7134	0.470	ug/l	97
32) Ethyl-t-butyl ether	4.496	59	6880	0.441	ug/l	95
33) Tert-Amyl methyl ether	5.939	73	6721	0.458	ug/l	99
34) Propionitrile	4.827	54	548m	1.375	ug/l	
35) Benzene	5.772	78	10061	0.459	ug/l	99
36) 1,2-Dichloroethane	5.795	62	3144	0.500	ug/l #	94
37) Trichloroethene	6.544	130	2797	0.472	ug/l	91
38) 1,2-Dichloropropane	6.788	63	2757	0.436	ug/l	95
39) Methacrylonitrile	4.991	41	478m	0.337	ug/l	
40) Methyl acrylate	4.878	55	1016m	0.420	ug/l	
41) Tetrahydrofuran	5.094	42	760m	0.907	ug/l	
42) 1-Chlorobutane	5.457	56	4563	0.500	ug/l	92
43) Dibromomethane	6.920	93	1463m	0.497	ug/l	
44) Bromodichloromethane	7.106	83	3949	0.490	ug/l #	87

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45) 4-Methyl-2-Pentanone	7.795	43	8141	2.338	ug/l	92
46) t-1,4-Dichloro-2-butene	10.823	75	2954	2.026	ug/l #	31
47) Methyl methacrylate	6.962	69	2648	0.958	ug/l	90
48) Ethyl methacrylate	8.335	69	2352	0.419	ug/l	87
49) Toluene	7.968	92	6495	0.465	ug/l	93
50) t-1,3-Dichloropropene	8.209	75	3182	0.445	ug/l	92
51) cis-1,3-Dichloropropene	7.608	75	3697	0.426	ug/l #	86
52) 1,1,2-Trichloroethane	8.399	97	1855	0.418	ug/l #	81
53) 1,3-Dichloropropane	8.573	76	3633	0.486	ug/l	96
54) 2-Hexanone	8.692	43	5600	2.307	ug/l	94
55) Dibromochloromethane	8.811	129	2378	0.448	ug/l #	48
56) 1,2-Dibromoethane	8.926	107	1980	0.510	ug/l	92
58) Tetrachloroethene	8.550	164	2908	0.564	ug/l	89
59) Chlorobenzene	9.447	112	7895	0.474	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.534	131	2506	0.426	ug/l #	81
61) Pentachloroethane	11.425	117	2064	0.446	ug/l	92
62) Hexachloroethane	12.473	117	1987	0.418	ug/l	90
63) Ethyl Benzene	9.569	91	12672	0.446	ug/l	96
64) m/p-Xylenes	9.692	106	9799	0.912	ug/l	96
65) o-Xylene	10.097	106	4695	0.434	ug/l	91
66) Styrene	10.113	104	7680	0.442	ug/l	98
67) Bromoform	10.286	173	1280	0.448	ug/l #	92
69) Isopropylbenzene	10.483	105	12397	0.422	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.778	83	2536	0.458	ug/l #	95
71) 1,2,3-Trichloropropane	10.823	75	2021m	0.518	ug/l	
72) Bromobenzene	10.782	156	2930	0.433	ug/l	95
73) n-propylbenzene	10.904	120	3123	0.396	ug/l	91
74) 2-Chlorotoluene	10.987	126	2910	0.424	ug/l	81
75) 1,3,5-Trimethylbenzene	11.087	105	10435	0.436	ug/l	97
76) 4-Chlorotoluene	11.100	126	2692	0.381	ug/l	76
77) tert-Butylbenzene	11.418	119	10752	0.437	ug/l	97
78) 1,2,4-Trimethylbenzene	11.463	105	10640	0.442	ug/l	99
79) sec-Butylbenzene	11.640	105	13370	0.418	ug/l	99
80) Nitrobenzene	13.222	77	53	0.330	ug/l #	39
81) p-Isopropyltoluene	11.791	119	10534	0.405	ug/l	96
82) 1,3-Dichlorobenzene	11.746	146	6157	0.454	ug/l	96
83) 1,4-Dichlorobenzene	11.836	146	6168	0.454	ug/l	97
84) n-Butylbenzene	12.209	91	9396	0.392	ug/l	94
85) 1,2-Dichlorobenzene	12.209	146	6360	0.493	ug/l	92
86) 1,2-Dibromo-3-Chloropr...	13.000	75	351	0.483	ug/l #	50
87) 1,2,4-Trichlorobenzene	13.839	180	3395	0.410	ug/l	89
88) Hexachlorobutadiene	14.013	225	2022	0.457	ug/l	97
89) Naphthalene	14.090	128	6529	0.488	ug/l #	94
90) 1,2,3-Trichlorobenzene	14.328	180	3465	0.484	ug/l	97

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

