

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072423\
 Data File : VU054857.D
 Acq On : 24 Jul 2023 13:49
 Operator : MD/SY
 Sample : 03572-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jul 25 06:09:14 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	6.110	96	26720	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	7911	0.980	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	9223	0.987	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	5336	1.004	ug/l	93
3) Chloromethane	1.518	50	5994	0.971	ug/l	90
4) Vinyl Chloride	1.602	62	7570	0.955	ug/l	97
5) Bromomethane	1.856	94	5844	1.039	ug/l	85
6) Chloroethane	1.930	64	7239	0.966	ug/l	91
7) Trichlorofluoromethane	2.133	101	18639	0.970	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	5611	1.019	ug/l	96
9) 1,1-Dichloroethene	2.576	96	4873	1.060	ug/l	94
10) Iodomethane	2.718	142	7467	1.008	ug/l	93
11) Allyl Chloride	2.920	41	5817	1.079	ug/l	90
12) Acrylonitrile	3.345	53	1954	1.747	ug/l	# 62
13) Acetone	2.650	43	6055m	6.315	ug/l	
14) Carbon Disulfide	2.789	76	7901	1.020	ug/l	100
15) Methylene Chloride	3.043	84	8434	0.984	ug/l	90
16) trans-1,2-Dichloroethene	3.348	96	4808	0.941	ug/l	98
17) 1,1-Dichloroethane	3.866	63	10667	0.987	ug/l	97
18) 2-Butanone	4.737	43	7504m	5.350	ug/l	
19) Cyclohexane	5.380	56	6945	1.110	ug/l	98
20) Methylcyclohexane	6.756	83	8184	0.985	ug/l	97
21) 2,2-Dichloropropane	4.660	77	9890	1.049	ug/l	100
22) cis-1,2-Dichloroethene	4.666	96	6640	1.027	ug/l	96
23) Diethyl Ether	2.374	59	7496	1.061	ug/l	93
24) tert-Butyl Alcohol	3.258	59	3822m	6.282	ug/l	
25) Methyl tert-Butyl Ether	3.364	73	14265	1.017	ug/l	96
26) Bromochloromethane	4.981	128	2641m	1.071	ug/l	
27) Chloroform	5.087	83	12174	1.025	ug/l	99
28) 1,1,1-Trichloroethane	5.313	97	10434	1.045	ug/l	99
29) 1,1-Dichloropropene	5.522	75	7077	0.997	ug/l	97
30) Carbon Tetrachloride	5.518	117	7658	0.923	ug/l	98
31) Isopropyl Ether	3.991	45	16635	1.040	ug/l	100
32) Ethyl-t-butyl ether	4.499	59	16725	1.018	ug/l	99
33) Tert-Amyl methyl ether	5.936	73	15682	1.014	ug/l	100
34) Propionitrile	4.827	54	1774m	4.228	ug/l	
35) Benzene	5.772	78	23428	1.015	ug/l	100
36) 1,2-Dichloroethane	5.792	62	6485	0.978	ug/l	100
37) Trichloroethene	6.544	130	6367	1.021	ug/l	95
38) 1,2-Dichloropropane	6.785	63	6113	0.918	ug/l	97
39) Methacrylonitrile	5.001	41	1686m	1.129	ug/l	
40) Methyl acrylate	4.869	55	1996	0.783	ug/l	# 72
41) Tetrahydrofuran	5.068	42	1624	1.840	ug/l	# 70
42) 1-Chlorobutane	5.457	56	10255	1.068	ug/l	98
43) Dibromomethane	6.914	93	2803	0.905	ug/l	# 83
44) Bromodichloromethane	7.100	83	8961	1.056	ug/l	# 96

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45) 4-Methyl-2-Pentanone	7.792	43	17434	4.755	ug/l	96
46) t-1,4-Dichloro-2-butene	10.843	75	1952m	1.272	ug/l	
47) Methyl methacrylate	6.962	69	5229	1.797	ug/l	89
48) Ethyl methacrylate	8.335	69	6091	1.030	ug/l	92
49) Toluene	7.968	92	14603	0.992	ug/l	96
50) t-1,3-Dichloropropene	8.210	75	7471	0.993	ug/l	91
51) cis-1,3-Dichloropropene	7.605	75	9033	0.987	ug/l	99
52) 1,1,2-Trichloroethane	8.399	97	4574	0.978	ug/l	96
53) 1,3-Dichloropropane	8.573	76	7745	0.983	ug/l	91
54) 2-Hexanone	8.685	43	12778	4.998	ug/l	93
55) Dibromochloromethane	8.811	129	5117	0.916	ug/l	97
56) 1,2-Dibromoethane	8.923	107	4113	1.006	ug/l	96
58) Tetrachloroethene	8.550	164	5958	1.096	ug/l	91
59) Chlorobenzene	9.447	112	16989	0.968	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.531	131	6473	1.045	ug/l	94
61) Pentachloroethane	11.428	117	4837	0.992	ug/l	92
62) Hexachloroethane	12.467	117	4843	0.967	ug/l	97
63) Ethyl Benzene	9.566	91	29439	0.984	ug/l	93
64) m/p-Xylenes	9.692	106	21946	1.940	ug/l	100
65) o-Xylene	10.097	106	11805	1.036	ug/l	88
66) Styrene	10.113	104	17605	0.962	ug/l	97
67) Bromoform	10.283	173	2748	0.913	ug/l	93
69) Isopropylbenzene	10.480	105	29940	0.969	ug/l	93
70) 1,1,2,2-Tetrachloroethane	10.779	83	5725	0.982	ug/l	99
71) 1,2,3-Trichloropropane	10.824	75	5195m	1.265	ug/l	
72) Bromobenzene	10.782	156	7256	1.018	ug/l	95
73) n-propylbenzene	10.904	120	8064	0.971	ug/l	97
74) 2-Chlorotoluene	10.981	126	6918	0.957	ug/l	92
75) 1,3,5-Trimethylbenzene	11.087	105	23942	0.951	ug/l	99
76) 4-Chlorotoluene	11.097	126	7570	1.018	ug/l	100
77) tert-Butylbenzene	11.415	119	25343	0.977	ug/l	97
78) 1,2,4-Trimethylbenzene	11.467	105	23943	0.946	ug/l	97
79) sec-Butylbenzene	11.640	105	31944	0.949	ug/l	100
80) Nitrobenzene	13.229	77	544m	3.219	ug/l	
81) p-Isopropyltoluene	11.791	119	23883	0.871	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	14685	1.029	ug/l	97
83) 1,4-Dichlorobenzene	11.833	146	14155	0.989	ug/l	96
84) n-Butylbenzene	12.206	91	20677	0.820	ug/l	97
85) 1,2-Dichlorobenzene	12.213	146	13385	0.984	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.997	75	848	1.109	ug/l #	53
87) 1,2,4-Trichlorobenzene	13.840	180	8212	0.942	ug/l	96
88) Hexachlorobutadiene	14.013	225	4655	1.000	ug/l	96
89) Naphthalene	14.087	128	12767	0.906	ug/l	98
90) 1,2,3-Trichlorobenzene	14.328	180	7479	0.993	ug/l	92

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

