

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090324\
 Data File : VU060590.D
 Acq On : 03 Sep 2024 17:18
 Operator : MD/SY
 Sample : RL-0.5 PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2024-05

Quant Time: Sep 04 05:45:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 06 11:07:28 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/06/2024
 Supervised By :Semsettin Yesilyurt 09/06/2024

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

Internal Standards						
1) Fluorobenzene	6.113	96	27188	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	8810	0.951	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	9585	0.952	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	5543	0.530	ug/l	100
3) Chloromethane	1.515	50	6636	0.555	ug/l	96
4) Vinyl Chloride	1.599	62	6199	0.519	ug/l	98
5) Bromomethane	1.853	94	4095	0.558	ug/l	98
6) Chloroethane	1.933	64	3557	0.492	ug/l	97
7) Trichlorofluoromethane	2.132	101	8312	0.576	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	3749	0.478	ug/l	98
9) 1,1-Dichloroethene	2.573	96	3691	0.454	ug/l	98
10) Iodomethane	2.714	142	3873	0.321	ug/l	88
11) Allyl Chloride	2.920	41	5196	0.466	ug/l	96
12) Acrylonitrile	3.357	53	1202m	0.566	ug/l	
13) Acetone	2.647	43	5066m	1.964	ug/l	
14) Carbon Disulfide	2.788	76	12051	0.437	ug/l	99
15) Methylene Chloride	3.039	84	7449	0.732	ug/l	96
16) trans-1,2-Dichloroethene	3.351	96	3910	0.449	ug/l	89
17) 1,1-Dichloroethane	3.865	63	8370	0.500	ug/l	97
18) 2-Butanone	4.763	43	5421m	1.819	ug/l	
19) Cyclohexane	5.380	56	5215	0.361	ug/l	99
20) Methylcyclohexane	6.756	83	4463	0.390	ug/l	92
21) 2,2-Dichloropropane	4.653	77	6356	0.487	ug/l	# 74
22) cis-1,2-Dichloroethene	4.669	96	3924	0.421	ug/l	90
23) Diethyl Ether	2.374	59	2915	0.441	ug/l	# 83
24) tert-Butyl Alcohol	3.232	59	2520m	3.054	ug/l	
25) Methyl tert-Butyl Ether	3.364	73	7998	0.401	ug/l	# 84
26) Bromochloromethane	4.971	128	2090	0.529	ug/l	97
27) Chloroform	5.081	83	9339	0.570	ug/l	94
28) 1,1,1-Trichloroethane	5.309	97	6956	0.511	ug/l	96
29) 1,1-Dichloropropene	5.525	75	5016	0.460	ug/l	97
30) Carbon Tetrachloride	5.518	117	6684	0.603	ug/l	95
31) Isopropyl Ether	3.984	45	9458	0.386	ug/l	90
32) Ethyl-t-butyl ether	4.492	59	8052	0.340	ug/l	96
33) Tert-Amyl methyl ether	5.933	73	7768	0.463	ug/l	# 95
34) Propionitrile	4.849	54	1139m	1.337	ug/l	
35) Benzene	5.769	78	16229	0.483	ug/l	99
36) 1,2-Dichloroethane	5.795	62	5059	0.542	ug/l	# 82
37) Trichloroethene	6.544	130	4362	0.524	ug/l	92
38) 1,2-Dichloropropane	6.785	63	4661	0.513	ug/l	# 83
41) Tetrahydrofuran	5.081	42	953m	0.568	ug/l	
42) 1-Chlorobutane	5.454	56	6681	0.444	ug/l	91
43) Dibromomethane	6.926	93	2015	0.438	ug/l	83
44) Bromodichloromethane	7.100	83	6403	0.580	ug/l	89
45) 4-Methyl-2-Pentanone	7.791	43	8854	2.050	ug/l	94
46) t-1,4-Dichloro-2-butene	10.836	75	2039m	0.843	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.968	69	2654	0.711	ug/l	91
48) Ethyl methacrylate	8.338	69	2336	0.369	ug/l	83
49) Toluene	7.968	92	7670	0.412	ug/l	80
50) t-1,3-Dichloropropene	8.209	75	4201	0.461	ug/l	93
51) cis-1,3-Dichloropropene	7.608	75	5569	0.508	ug/l	96
52) 1,1,2-Trichloroethane	8.396	97	3076	0.456	ug/l	96
53) 1,3-Dichloropropane	8.573	76	5223	0.485	ug/l	94
54) 2-Hexanone	8.695	43	6164	1.842	ug/l	88
55) Dibromochloromethane	8.801	129	3933	0.531	ug/l	94
56) 1,2-Dibromoethane	8.926	107	2831	0.468	ug/l	97
58) Tetrachloroethene	8.547	164	4034	0.543	ug/l	94
59) Chlorobenzene	9.444	112	9207	0.456	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.524	131	4317	0.543	ug/l	94
61) Pentachloroethane	11.418	117	3180	0.468	ug/l	93
62) Hexachloroethane	12.466	117	2906	0.443	ug/l	97
63) Ethyl Benzene	9.566	91	14023	0.841	ug/l	100
64) m/p-Xylenes	9.688	106	10248	1.525	ug/l	98
65) o-Xylene	10.093	106	5314	0.788	ug/l	98
66) Styrene	10.113	104	7477	0.752	ug/l	92
67) Bromoform	10.280	173	2062m	0.475	ug/l	
69) Isopropylbenzene	10.479	105	13334	0.809	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.775	83	3990	0.444	ug/l	97
71) 1,2,3-Trichloropropane	10.817	75	2925m	0.440	ug/l	
72) Bromobenzene	10.778	156	3753	0.453	ug/l	82
73) n-propylbenzene	10.901	120	3501	0.793	ug/l	94
74) 2-Chlorotoluene	10.981	126	3421	0.659	ug/l	94
75) 1,3,5-Trimethylbenzene	11.084	105	10633	0.756	ug/l	99
76) 4-Chlorotoluene	11.093	126	3325	0.654	ug/l	97
77) tert-Butylbenzene	11.415	119	11736	0.795	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	10019	0.766	ug/l	98
79) sec-Butylbenzene	11.637	105	14265	0.762	ug/l	99
81) p-Isopropyltoluene	11.788	119	11402	0.816	ug/l	97
82) 1,3-Dichlorobenzene	11.746	146	8339	0.482	ug/l	94
83) 1,4-Dichlorobenzene	11.836	146	7685	0.448	ug/l	98
84) n-Butylbenzene	12.206	91	11289	0.814	ug/l	95
85) 1,2-Dichlorobenzene	12.209	146	7418	0.444	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	13.007	75	380m	0.292	ug/l	
87) 1,2,4-Trichlorobenzene	13.843	180	3366	0.352	ug/l	94
88) Hexachlorobutadiene	14.013	225	3697	0.598	ug/l	97
89) Naphthalene	14.100	128	3467	0.205	ug/l #	83
90) 1,2,3-Trichlorobenzene	14.328	180	4630	0.496	ug/l	98

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

