

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060524\
 Data File : VU059157.D
 Acq On : 05 Jun 2024 18:50
 Operator : MD/SY
 Sample : P2403-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2024

Quant Time: Jun 06 04:02:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jun 06 04:01:15 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/10/2024
 Supervised By :Semsettin Yesilyurt 06/10/2024

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

Internal Standards						
1) Fluorobenzene	6.113	96	39302	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	12050	0.901	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	12232	0.874	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	3890	0.316	ug/l	96
3) Chloromethane	1.515	50	5349	0.361	ug/l	95
4) Vinyl Chloride	1.599	62	5283	0.353	ug/l	90
5) Bromomethane	1.853	94	3586	0.394	ug/l	88
6) Chloroethane	1.930	64	3159	0.328	ug/l	97
7) Trichlorofluoromethane	2.136	101	5501	0.296	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	3320	0.347	ug/l	96
9) 1,1-Dichloroethene	2.576	96	3276	0.346	ug/l	83
10) Iodomethane	2.714	142	3353	0.282	ug/l	96
11) Allyl Chloride	2.917	41	4501	0.352	ug/l	88
12) Acrylonitrile	3.348	53	1245m	0.582	ug/l	
13) Acetone	2.660	43	3453m	1.061	ug/l	
14) Carbon Disulfide	2.788	76	10671	0.354	ug/l #	93
15) Methylene Chloride	3.039	84	13170	1.015	ug/l	98
16) trans-1,2-Dichloroethene	3.351	96	3589	0.347	ug/l	93
17) 1,1-Dichloroethane	3.862	63	7004	0.324	ug/l	95
18) 2-Butanone	4.753	43	4596m	1.273	ug/l	
19) Cyclohexane	5.383	56	5010m	0.320	ug/l	
20) Methylcyclohexane	6.753	83	4314	0.274	ug/l	98
21) 2,2-Dichloropropane	4.653	77	5177	0.324	ug/l #	73
22) cis-1,2-Dichloroethene	4.666	96	3542	0.316	ug/l	96
23) Diethyl Ether	2.370	59	2887	0.325	ug/l	92
24) tert-Butyl Alcohol	3.255	59	2512m	4.135	ug/l	
25) Methyl tert-Butyl Ether	3.364	73	7209	0.318	ug/l	96
26) Bromochloromethane	4.968	128	1518	0.320	ug/l	93
27) Chloroform	5.084	83	7085	0.326	ug/l	98
28) 1,1,1-Trichloroethane	5.309	97	5836	0.340	ug/l	96
29) 1,1-Dichloropropene	5.524	75	4247	0.296	ug/l #	57
30) Carbon Tetrachloride	5.518	117	4486	0.319	ug/l	95
31) Isopropyl Ether	3.991	45	8455	0.298	ug/l	89
32) Ethyl-t-butyl ether	4.502	59	8441	0.320	ug/l	99
33) Tert-Amyl methyl ether	5.936	73	7046	0.302	ug/l	93
34) Propionitrile	4.833	54	797m	0.964	ug/l	
35) Benzene	5.772	78	14051	0.311	ug/l	98
36) 1,2-Dichloroethane	5.795	62	4309	0.322	ug/l #	87
37) Trichloroethene	6.541	130	3925	0.364	ug/l	82
38) 1,2-Dichloropropane	6.788	63	4364	0.340	ug/l #	82
39) Methacrylonitrile	5.029	41	807m	0.262	ug/l	
40) Methyl acrylate	4.901	55	1467m	0.272	ug/l	
41) Tetrahydrofuran	5.074	42	1170m	0.709	ug/l	
42) 1-Chlorobutane	5.454	56	6262	0.315	ug/l	95
43) Dibromomethane	6.920	93	2008	0.346	ug/l	96
44) Bromodichloromethane	7.103	83	4937	0.328	ug/l	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	9988	1.604	ug/l	96
46) t-1,4-Dichloro-2-butene	10.833	75	1491m	0.564	ug/l	
47) Methyl methacrylate	6.975	69	2777	0.557	ug/l #	85
48) Ethyl methacrylate	8.338	69	2525	0.287	ug/l	99
49) Toluene	7.968	92	7410	0.298	ug/l	99
50) t-1,3-Dichloropropene	8.213	75	4031	0.313	ug/l	92
51) cis-1,3-Dichloropropene	7.608	75	5036	0.319	ug/l	96
52) 1,1,2-Trichloroethane	8.396	97	2972	0.346	ug/l	92
53) 1,3-Dichloropropane	8.576	76	4740	0.320	ug/l	98
54) 2-Hexanone	8.695	43	6354	1.316	ug/l	92
55) Dibromochloromethane	8.807	129	2952	0.318	ug/l	98
56) 1,2-Dibromoethane	8.926	107	2653	0.352	ug/l	86
58) Tetrachloroethene	8.553	164	3281	0.330	ug/l	96
59) Chlorobenzene	9.447	112	8735	0.321	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.528	131	3204	0.329	ug/l	93
61) Pentachloroethane	11.415	117	2070	0.274	ug/l	99
62) Hexachloroethane	12.470	117	2411	0.314	ug/l	98
63) Ethyl Benzene	9.569	91	12688	0.276	ug/l	92
64) m/p-Xylenes	9.692	106	8817	0.509	ug/l	99
65) o-Xylene	10.097	106	4308	0.252	ug/l	92
66) Styrene	10.116	104	6577	0.241	ug/l	96
67) Bromoform	10.290	173	1695	0.337	ug/l #	80
69) Isopropylbenzene	10.483	105	11634	0.266	ug/l	93
70) 1,1,2,2-Tetrachloroethane	10.775	83	3710	0.344	ug/l	98
71) 1,2,3-Trichloropropane	10.823	75	3173m	0.385	ug/l	
72) Bromobenzene	10.785	156	3169	0.302	ug/l	73
73) n-propylbenzene	10.907	120	2935	0.251	ug/l	99
74) 2-Chlorotoluene	10.984	126	2888	0.270	ug/l	97
75) 1,3,5-Trimethylbenzene	11.087	105	9200	0.248	ug/l	96
76) 4-Chlorotoluene	11.097	126	3068	0.274	ug/l	95
77) tert-Butylbenzene	11.415	119	9228	0.262	ug/l	98
78) 1,2,4-Trimethylbenzene	11.470	105	8603	0.230	ug/l	98
79) sec-Butylbenzene	11.643	105	11667	0.239	ug/l	96
80) Nitrobenzene	13.244	77	238m	1.030	ug/l	
81) p-Isopropyltoluene	11.791	119	8538	0.228	ug/l	97
82) 1,3-Dichlorobenzene	11.746	146	6504	0.292	ug/l	97
83) 1,4-Dichlorobenzene	11.839	146	7241m	0.325	ug/l	
84) n-Butylbenzene	12.212	91	8830	0.251	ug/l	92
85) 1,2-Dichlorobenzene	12.212	146	6380	0.304	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	13.000	75	365	0.249	ug/l #	77
87) 1,2,4-Trichlorobenzene	13.842	180	3685	0.328	ug/l	92
88) Hexachlorobutadiene	14.013	225	2145	0.306	ug/l	96
89) Naphthalene	14.097	128	7108	0.398	ug/l #	93
90) 1,2,3-Trichlorobenzene	14.331	180	3765	0.368	ug/l	95

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

