

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101824\
 Data File : VU061164.D
 Acq On : 18 Oct 2024 14:38
 Operator : MD/SY
 Sample : P4368-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/25/2024
 Supervised By :Semsettin Yesilyurt 10/25/2024

Quant Time: Oct 19 00:15:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101724DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sat Oct 19 00:10:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	27360	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	14208	0.977	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	13953	0.974	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	12299	0.816	ug/l	99
3) Chloromethane	1.515	50	12442	0.868	ug/l	99
4) Vinyl Chloride	1.599	62	12316	0.836	ug/l	98
5) Bromomethane	1.856	94	7741	0.837	ug/l	97
6) Chloroethane	1.930	64	8007	0.812	ug/l	99
7) Trichlorofluoromethane	2.132	101	16983	0.811	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	8629	0.829	ug/l	95
9) 1,1-Dichloroethene	2.573	96	9327	0.859	ug/l	95
10) Iodomethane	2.714	142	9585	0.742	ug/l	100
11) Allyl Chloride	2.917	41	11378	0.814	ug/l	95
12) Acrylonitrile	3.338	53	3679m	1.685	ug/l	
13) Acetone	2.653	43	11345m	3.984	ug/l	
14) Carbon Disulfide	2.788	76	30485	0.815	ug/l	100
15) Methylene Chloride	3.039	84	11636	0.828	ug/l	97
16) trans-1,2-Dichloroethene	3.348	96	9788	0.769	ug/l	97
17) 1,1-Dichloroethane	3.859	63	18774	0.832	ug/l	97
18) 2-Butanone	4.737	43	14268m	4.092	ug/l	
19) Cyclohexane	5.380	56	16325m	0.807	ug/l	
20) Methylcyclohexane	6.756	83	17788	0.789	ug/l	98
21) 2,2-Dichloropropane	4.650	77	16503	0.793	ug/l	96
22) cis-1,2-Dichloroethene	4.663	96	11729	0.846	ug/l	95
23) Diethyl Ether	2.374	59	7155	0.848	ug/l	95
24) tert-Butyl Alcohol	3.255	59	8037m	9.132	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	24055	0.827	ug/l	95
26) Bromochloromethane	4.968	128	4835	0.834	ug/l	98
27) Chloroform	5.081	83	19613	0.829	ug/l	91
28) 1,1,1-Trichloroethane	5.309	97	17042	0.817	ug/l	99
29) 1,1-Dichloropropene	5.521	75	14826	0.804	ug/l	99
30) Carbon Tetrachloride	5.518	117	14774	0.816	ug/l	99
31) Isopropyl Ether	3.985	45	26763	0.831	ug/l	98
32) Ethyl-t-butyl ether	4.493	59	26455	0.799	ug/l	98
33) Tert-Amyl methyl ether	5.930	73	24101	0.809	ug/l	98
34) Propionitrile	4.833	54	3414m	4.104	ug/l	
35) Benzene	5.769	78	43753	0.842	ug/l	99
36) 1,2-Dichloroethane	5.792	62	12415	0.847	ug/l	96
37) Trichloroethene	6.537	130	11796	0.851	ug/l	99
38) 1,2-Dichloropropane	6.785	63	11081	0.842	ug/l	99
39) Methacrylonitrile	4.997	41	2252	0.752	ug/l #	88
40) Methyl acrylate	4.885	55	5166m	0.850	ug/l	
41) Tetrahydrofuran	5.074	42	3015	1.676	ug/l	87
42) 1-Chlorobutane	5.454	56	17793	0.752	ug/l	91
43) Dibromomethane	6.914	93	5610	0.822	ug/l	99
44) Bromodichloromethane	7.097	83	13150	0.793	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	26453	3.864	ug/l	99
46) t-1,4-Dichloro-2-butene	10.830	75	4208m	1.541	ug/l	
47) Methyl methacrylate	6.965	69	9231	1.557	ug/l	96
48) Ethyl methacrylate	8.332	69	9742	0.771	ug/l	98
49) Toluene	7.965	92	27102	0.826	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	12155	0.760	ug/l	97
51) cis-1,3-Dichloropropene	7.605	75	15818	0.806	ug/l	98
52) 1,1,2-Trichloroethane	8.393	97	7641	0.831	ug/l	96
53) 1,3-Dichloropropane	8.570	76	13568	0.840	ug/l	99
54) 2-Hexanone	8.685	43	19694	3.501	ug/l	94
55) Dibromochloromethane	8.801	129	8299	0.764	ug/l	99
56) 1,2-Dibromoethane	8.917	107	7034	0.797	ug/l	99
58) Tetrachloroethene	8.547	164	9695	0.825	ug/l	99
59) Chlorobenzene	9.441	112	29252	0.828	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.524	131	9894	0.830	ug/l	99
61) Pentachloroethane	11.418	117	7107	0.779	ug/l	96
62) Hexachloroethane	12.466	117	6513	0.693	ug/l	93
63) Ethyl Benzene	9.563	91	50330	0.795	ug/l	98
64) m/p-Xylenes	9.685	106	38955	1.617	ug/l	97
65) o-Xylene	10.094	106	19040	0.802	ug/l	98
66) Styrene	10.110	104	28003	0.759	ug/l	99
67) Bromoform	10.287	173	4505	0.792	ug/l	96
69) Isopropylbenzene	10.476	105	43959	0.779	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.775	83	9139	0.818	ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	7814m	0.859	ug/l	
72) Bromobenzene	10.778	156	10930	0.805	ug/l	98
73) n-propylbenzene	10.897	120	12082	0.733	ug/l	91
74) 2-Chlorotoluene	10.978	126	11125	0.781	ug/l	91
75) 1,3,5-Trimethylbenzene	11.081	105	39368	0.773	ug/l	98
76) 4-Chlorotoluene	11.094	126	11385	0.786	ug/l	98
77) tert-Butylbenzene	11.412	119	39731	0.790	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	38188	0.743	ug/l	98
79) sec-Butylbenzene	11.634	105	51593	0.787	ug/l	99
81) p-Isopropyltoluene	11.785	119	40754	0.751	ug/l	100
82) 1,3-Dichlorobenzene	11.740	146	20466	0.786	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	21098	0.812	ug/l	98
84) n-Butylbenzene	12.203	91	36842	0.732	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	19581	0.804	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	1307	0.788	ug/l #	86
87) 1,2,4-Trichlorobenzene	13.839	180	9735	0.699	ug/l	96
88) Hexachlorobutadiene	14.013	225	5849	0.743	ug/l	96
89) Naphthalene	14.090	128	15289	0.622	ug/l	96
90) 1,2,3-Trichlorobenzene	14.325	180	8557	0.684	ug/l	94

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

