

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102124\
 Data File : VU061175.D
 Acq On : 21 Oct 2024 16:31
 Operator : MD/SY
 Sample : P4368-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2024

Quant Time: Oct 22 01:39:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101724DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 22 01:35:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Fluorobenzene	6.113	96	26610	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	13302	0.941	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	13998	1.005	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	11878	0.810	ug/l	99
3) Chloromethane	1.518	50	12388	0.888	ug/l	100
4) Vinyl Chloride	1.602	62	11712	0.818	ug/l	99
5) Bromomethane	1.856	94	7518	0.835	ug/l	99
6) Chloroethane	1.930	64	7662	0.798	ug/l	100
7) Trichlorofluoromethane	2.136	101	15620	0.767	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	8602	0.849	ug/l	97
9) 1,1-Dichloroethene	2.573	96	9248	0.876	ug/l	99
10) Iodomethane	2.718	142	8719	0.694	ug/l	99
11) Allyl Chloride	2.914	41	10756	0.791	ug/l	91
12) Acrylonitrile	3.329	53	3278	1.544	ug/l #	85
13) Acetone	2.653	43	12010	4.337	ug/l	99
14) Carbon Disulfide	2.785	76	28767	0.791	ug/l	100
15) Methylene Chloride	3.036	84	10845	0.794	ug/l	92
16) trans-1,2-Dichloroethene	3.345	96	10161	0.821	ug/l	96
17) 1,1-Dichloroethane	3.859	63	18057	0.822	ug/l	99
18) 2-Butanone	4.737	43	14127m	4.166	ug/l	
19) Cyclohexane	5.380	56	14817m	0.753	ug/l	
20) Methylcyclohexane	6.753	83	17265	0.787	ug/l	97
21) 2,2-Dichloropropane	4.657	77	15856	0.783	ug/l	96
22) cis-1,2-Dichloroethene	4.663	96	11110	0.824	ug/l	98
23) Diethyl Ether	2.374	59	6314	0.770	ug/l	93
24) tert-Butyl Alcohol	3.268	59	7259m	8.480	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	23392	0.827	ug/l	94
26) Bromochloromethane	4.968	128	4642	0.823	ug/l	93
27) Chloroform	5.081	83	19193	0.834	ug/l	96
28) 1,1,1-Trichloroethane	5.306	97	16724	0.824	ug/l	98
29) 1,1-Dichloropropene	5.518	75	14130	0.787	ug/l	99
30) Carbon Tetrachloride	5.515	117	13691	0.777	ug/l	98
31) Isopropyl Ether	3.988	45	24839	0.793	ug/l	96
32) Ethyl-t-butyl ether	4.496	59	25002	0.776	ug/l	96
33) Tert-Amyl methyl ether	5.936	73	23569	0.813	ug/l #	95
34) Propionitrile	4.824	54	3576m	4.420	ug/l	
35) Benzene	5.766	78	40414	0.800	ug/l	100
36) 1,2-Dichloroethane	5.792	62	12312	0.863	ug/l #	93
37) Trichloroethene	6.541	130	10545	0.782	ug/l	96
38) 1,2-Dichloropropane	6.782	63	10652	0.833	ug/l	99
39) Methacrylonitrile	4.994	41	2333	0.801	ug/l #	60
40) Methyl acrylate	4.878	55	4964m	0.840	ug/l	
41) Tetrahydrofuran	5.084	42	2908m	1.662	ug/l	
42) 1-Chlorobutane	5.454	56	18012	0.783	ug/l	97
43) Dibromomethane	6.917	93	5400	0.814	ug/l	98
44) Bromodichloromethane	7.100	83	13199	0.818	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	26455	3.973	ug/l	98
46) t-1,4-Dichloro-2-butene	10.827	75	4449m	1.676	ug/l	
47) Methyl methacrylate	6.962	69	8899	1.544	ug/l	94
48) Ethyl methacrylate	8.332	69	9899	0.805	ug/l	100
49) Toluene	7.962	92	26873	0.842	ug/l	97
50) t-1,3-Dichloropropene	8.206	75	11930	0.767	ug/l	95
51) cis-1,3-Dichloropropene	7.605	75	14526	0.761	ug/l	97
52) 1,1,2-Trichloroethane	8.393	97	7139	0.798	ug/l	94
53) 1,3-Dichloropropane	8.570	76	13008	0.828	ug/l	97
54) 2-Hexanone	8.689	43	19264	3.521	ug/l	99
55) Dibromochloromethane	8.804	129	8436	0.799	ug/l	92
56) 1,2-Dibromoethane	8.920	107	7139	0.832	ug/l	94
58) Tetrachloroethene	8.547	164	9589	0.839	ug/l	97
59) Chlorobenzene	9.444	112	27803	0.809	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.525	131	9127	0.787	ug/l	96
61) Pentachloroethane	11.418	117	6526	0.735	ug/l	100
62) Hexachloroethane	12.463	117	6333	0.693	ug/l	96
63) Ethyl Benzene	9.563	91	48660	0.790	ug/l	100
64) m/p-Xylenes	9.689	106	36633	1.563	ug/l	97
65) o-Xylene	10.094	106	18123	0.785	ug/l	94
66) Styrene	10.113	104	27363	0.762	ug/l	98
67) Bromoform	10.283	173	4225	0.764	ug/l #	99
69) Isopropylbenzene	10.476	105	42444	0.773	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	8456	0.778	ug/l	100
71) 1,2,3-Trichloropropane	10.817	75	7564m	0.855	ug/l	
72) Bromobenzene	10.779	156	10456	0.792	ug/l	84
73) n-propylbenzene	10.901	120	11997	0.749	ug/l	96
74) 2-Chlorotoluene	10.981	126	11061	0.798	ug/l	96
75) 1,3,5-Trimethylbenzene	11.081	105	38236	0.772	ug/l	99
76) 4-Chlorotoluene	11.094	126	11170	0.793	ug/l	94
77) tert-Butylbenzene	11.412	119	38405	0.785	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	37718	0.755	ug/l	99
79) sec-Butylbenzene	11.634	105	51261	0.804	ug/l	98
80) Nitrobenzene	13.235	77	801	3.368	ug/l #	60
81) p-Isopropyltoluene	11.785	119	41150	0.780	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	19823	0.782	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	18940	0.750	ug/l	93
84) n-Butylbenzene	12.203	91	35812	0.732	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	18669	0.788	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.994	75	1291	0.801	ug/l	90
87) 1,2,4-Trichlorobenzene	13.839	180	10022	0.740	ug/l	96
88) Hexachlorobutadiene	14.010	225	6098	0.796	ug/l	98
89) Naphthalene	14.090	128	16018	0.670	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	8628	0.709	ug/l	98

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

