

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060524\
 Data File : VU059155.D
 Acq On : 05 Jun 2024 18:02
 Operator : MD/SY
 Sample : VU0605WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0605WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Jun 06 03:47:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jun 06 03:28:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	41079	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	13649	0.976	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	14454	0.988	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	26860	2.087	ug/l	96
3) Chloromethane	1.515	50	32442	2.094	ug/l	99
4) Vinyl Chloride	1.599	62	33863	2.163	ug/l	97
5) Bromomethane	1.853	94	20067	2.109	ug/l	96
6) Chloroethane	1.930	64	20078	1.993	ug/l	98
7) Trichlorofluoromethane	2.132	101	38513	1.982	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	20696	2.072	ug/l	98
9) 1,1-Dichloroethene	2.573	96	20452	2.067	ug/l	96
10) Iodomethane	2.718	142	25835	2.081	ug/l	99
11) Allyl Chloride	2.917	41	28911	2.162	ug/l	99
12) Acrylonitrile	3.335	53	10633	4.757	ug/l	98
13) Acetone	2.647	43	23077m	6.784	ug/l	
14) Carbon Disulfide	2.788	76	65171	2.067	ug/l	99
15) Methylene Chloride	3.039	84	37182	2.741	ug/l	98
16) trans-1,2-Dichloroethene	3.348	96	22542	2.088	ug/l	98
17) 1,1-Dichloroethane	3.859	63	47306	2.092	ug/l	99
18) 2-Butanone	4.717	43	32921	8.725	ug/l	100
19) Cyclohexane	5.383	56	34428m	2.104	ug/l	
20) Methylcyclohexane	6.756	83	33516	2.038	ug/l	95
21) 2,2-Dichloropropane	4.653	77	32617	1.951	ug/l	100
22) cis-1,2-Dichloroethene	4.660	96	25325	2.158	ug/l	97
23) Diethyl Ether	2.370	59	19907	2.146	ug/l	95
24) tert-Butyl Alcohol	3.229	59	13107m	20.642	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	51900	2.188	ug/l	96
26) Bromochloromethane	4.971	128	11235	2.267	ug/l	98
27) Chloroform	5.081	83	46971	2.067	ug/l	97
28) 1,1,1-Trichloroethane	5.306	97	38417	2.144	ug/l	97
29) 1,1-Dichloropropene	5.521	75	31184	2.077	ug/l	99
30) Carbon Tetrachloride	5.518	117	31406	2.137	ug/l	96
31) Isopropyl Ether	3.984	45	61657	2.080	ug/l	95
32) Ethyl-t-butyl ether	4.492	59	61009	2.212	ug/l	95
33) Tert-Amyl methyl ether	5.933	73	53460	2.195	ug/l	99
34) Propionitrile	4.801	54	10467m	12.110	ug/l	
35) Benzene	5.769	78	99838	2.114	ug/l	99
36) 1,2-Dichloroethane	5.791	62	31569	2.254	ug/l	98
37) Trichloroethene	6.537	130	24430	2.166	ug/l	96
38) 1,2-Dichloropropane	6.785	63	28145	2.099	ug/l	96
39) Methacrylonitrile	4.975	41	7504	2.328	ug/l	# 86
40) Methyl acrylate	4.859	55	11972m	2.121	ug/l	
41) Tetrahydrofuran	5.058	42	7658	4.442	ug/l	95
42) 1-Chlorobutane	5.451	56	44599	2.149	ug/l	97
43) Dibromomethane	6.914	93	13248	2.182	ug/l	94
44) Bromodichloromethane	7.100	83	34133	2.170	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	75884	11.658	ug/l	98
46) t-1,4-Dichloro-2-butene	10.833	75	10090m	3.653	ug/l	
47) Methyl methacrylate	6.959	69	23016	4.414	ug/l	97
48) Ethyl methacrylate	8.332	69	19883	2.158	ug/l	94
49) Toluene	7.965	92	55399	2.130	ug/l	99
50) t-1,3-Dichloropropene	8.209	75	28766	2.137	ug/l	95
51) cis-1,3-Dichloropropene	7.605	75	34588	2.097	ug/l	98
52) 1,1,2-Trichloroethane	8.393	97	19745	2.201	ug/l	93
53) 1,3-Dichloropropane	8.569	76	34128	2.208	ug/l	100
54) 2-Hexanone	8.685	43	50435	10.108	ug/l	95
55) Dibromochloromethane	8.804	129	20641	2.126	ug/l	98
56) 1,2-Dibromoethane	8.920	107	17972	2.284	ug/l	98
58) Tetrachloroethene	8.547	164	22460	2.160	ug/l	99
59) Chlorobenzene	9.444	112	61557	2.163	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.528	131	21672	2.126	ug/l	97
61) Pentachloroethane	11.418	117	15777	1.995	ug/l	100
62) Hexachloroethane	12.470	117	15945	1.984	ug/l	93
63) Ethyl Benzene	9.566	91	97141	2.022	ug/l	97
64) m/p-Xylenes	9.688	106	73144	4.037	ug/l	98
65) o-Xylene	10.097	106	36564	2.046	ug/l	99
66) Styrene	10.110	104	58694	2.035	ug/l	98
67) Bromoform	10.286	173	11318	2.153	ug/l	97
69) Isopropylbenzene	10.479	105	94044	2.054	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	26128	2.316	ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	20400m	2.370	ug/l	
72) Bromobenzene	10.782	156	23758	2.165	ug/l	98
73) n-propylbenzene	10.904	120	25054	2.014	ug/l	100
74) 2-Chlorotoluene	10.981	126	23164	2.071	ug/l	97
75) 1,3,5-Trimethylbenzene	11.084	105	78031	1.995	ug/l	100
76) 4-Chlorotoluene	11.093	126	24534	2.098	ug/l	93
77) tert-Butylbenzene	11.415	119	74146	2.018	ug/l	100
78) 1,2,4-Trimethylbenzene	11.463	105	77619	1.961	ug/l	97
79) sec-Butylbenzene	11.640	105	103534	2.000	ug/l	99
80) Nitrobenzene	13.219	77	2897m	11.581	ug/l	
81) p-Isopropyltoluene	11.788	119	77890	1.964	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	50183	2.158	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	49151	2.113	ug/l	98
84) n-Butylbenzene	12.206	91	70149	1.894	ug/l	100
85) 1,2-Dichlorobenzene	12.209	146	47105	2.146	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.997	75	3645	2.375	ug/l	98
87) 1,2,4-Trichlorobenzene	13.839	180	24367	2.074	ug/l	98
88) Hexachlorobutadiene	14.016	225	15144	2.065	ug/l	98
89) Naphthalene	14.084	128	38974	2.090	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	23560	2.205	ug/l	99

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

