

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102124\
 Data File : VU061170.D
 Acq On : 21 Oct 2024 14:15
 Operator : MD/SY
 Sample : VU1021WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1021WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Oct 22 01:22:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101724DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 18 02:52:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	25583	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	12880	0.947	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	13064	0.975	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	29378	2.085	ug/l	98
3) Chloromethane	1.515	50	28489	2.125	ug/l	98
4) Vinyl Chloride	1.599	62	29218	2.122	ug/l	98
5) Bromomethane	1.853	94	19679	2.275	ug/l	100
6) Chloroethane	1.930	64	20579	2.231	ug/l	99
7) Trichlorofluoromethane	2.132	101	40572	2.072	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	21426	2.200	ug/l	99
9) 1,1-Dichloroethene	2.573	96	22341	2.201	ug/l	99
10) Iodomethane	2.718	142	24669	2.359	ug/l	99
11) Allyl Chloride	2.917	41	27401	2.096	ug/l	99
12) Acrylonitrile	3.332	53	8357	4.094	ug/l	# 82
13) Acetone	2.641	43	32564	12.230	ug/l	95
14) Carbon Disulfide	2.788	76	73084	2.090	ug/l	98
15) Methylene Chloride	3.039	84	27188	2.070	ug/l	96
16) trans-1,2-Dichloroethene	3.348	96	25261	2.122	ug/l	98
17) 1,1-Dichloroethane	3.859	63	45494	2.155	ug/l	97
18) 2-Butanone	4.714	43	34091	10.457	ug/l	96
19) Cyclohexane	5.380	56	39325m	2.080	ug/l	
20) Methylcyclohexane	6.756	83	44390	2.106	ug/l	99
21) 2,2-Dichloropropane	4.653	77	39964	2.053	ug/l	99
22) cis-1,2-Dichloroethene	4.663	96	28212	2.175	ug/l	97
23) Diethyl Ether	2.374	59	17131	2.172	ug/l	97
24) tert-Butyl Alcohol	3.232	59	19508	23.704	ug/l	98
25) Methyl tert-Butyl Ether	3.354	73	58741	2.160	ug/l	99
26) Bromochloromethane	4.965	128	11826	2.181	ug/l	96
27) Chloroform	5.078	83	47198	2.132	ug/l	96
28) 1,1,1-Trichloroethane	5.306	97	40817	2.092	ug/l	100
29) 1,1-Dichloropropene	5.518	75	36238	2.101	ug/l	98
30) Carbon Tetrachloride	5.518	117	36341	2.146	ug/l	98
31) Isopropyl Ether	3.981	45	64547	2.144	ug/l	99
32) Ethyl-t-butyl ether	4.489	59	67077	2.167	ug/l	98
33) Tert-Amyl methyl ether	5.930	73	60142	2.158	ug/l	98
34) Propionitrile	4.801	54	8480m	10.903	ug/l	
35) Benzene	5.766	78	104875	2.160	ug/l	98
36) 1,2-Dichloroethane	5.788	62	29423	2.146	ug/l	98
37) Trichloroethene	6.537	130	27245	2.102	ug/l	95
38) 1,2-Dichloropropane	6.785	63	26313	2.139	ug/l	98
39) Methacrylonitrile	4.981	41	5656	2.019	ug/l	93
40) Methyl acrylate	4.866	55	13149m	2.315	ug/l	
41) Tetrahydrofuran	5.062	42	7309m	4.345	ug/l	
42) 1-Chlorobutane	5.451	56	45942	2.076	ug/l	98
43) Dibromomethane	6.914	93	13609	2.134	ug/l	97
44) Bromodichloromethane	7.100	83	33441	2.156	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	69678	10.884	ug/l	99
46) t-1,4-Dichloro-2-butene	10.830	75	10601m	4.153	ug/l	
47) Methyl methacrylate	6.959	69	23502	4.240	ug/l	96
48) Ethyl methacrylate	8.328	69	24566	2.079	ug/l	99
49) Toluene	7.962	92	66299	2.161	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	31311	2.094	ug/l	100
51) cis-1,3-Dichloropropene	7.602	75	39124	2.132	ug/l	97
52) 1,1,2-Trichloroethane	8.393	97	18690	2.173	ug/l	98
53) 1,3-Dichloropropane	8.566	76	32757	2.168	ug/l	99
54) 2-Hexanone	8.682	43	56081	10.663	ug/l	98
55) Dibromochloromethane	8.801	129	22230	2.189	ug/l	100
56) 1,2-Dibromoethane	8.917	107	17760	2.152	ug/l	97
58) Tetrachloroethene	8.547	164	23866	2.172	ug/l	97
59) Chlorobenzene	9.441	112	71229	2.155	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.524	131	23848	2.139	ug/l	98
61) Pentachloroethane	11.418	117	17993	2.109	ug/l	99
62) Hexachloroethane	12.466	117	17851	2.031	ug/l	98
63) Ethyl Benzene	9.563	91	125451	2.119	ug/l	100
64) m/p-Xylenes	9.685	106	96397	4.278	ug/l	97
65) o-Xylene	10.094	106	46996	2.118	ug/l	98
66) Styrene	10.110	104	71942	2.084	ug/l	100
67) Bromoform	10.283	173	11299	2.125	ug/l	95
69) Isopropylbenzene	10.476	105	110338	2.090	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	22690	2.172	ug/l	99
71) 1,2,3-Trichloropropane	10.817	75	16430m	1.931	ug/l	
72) Bromobenzene	10.778	156	26713	2.104	ug/l	84
73) n-propylbenzene	10.897	120	31930	2.073	ug/l	98
74) 2-Chlorotoluene	10.978	126	28876	2.167	ug/l	99
75) 1,3,5-Trimethylbenzene	11.081	105	99869	2.098	ug/l	100
76) 4-Chlorotoluene	11.090	126	28910	2.135	ug/l	97
77) tert-Butylbenzene	11.412	119	99547	2.116	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	98568	2.051	ug/l	99
79) sec-Butylbenzene	11.634	105	131331	2.143	ug/l	100
80) Nitrobenzene	13.216	77	2281m	11.471	ug/l	
81) p-Isopropyltoluene	11.785	119	106552	2.100	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	50832	2.087	ug/l	100
83) 1,4-Dichlorobenzene	11.830	146	52038	2.143	ug/l	98
84) n-Butylbenzene	12.200	91	96843	2.058	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	48964	2.150	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	3531	2.278	ug/l	97
87) 1,2,4-Trichlorobenzene	13.836	180	26738	2.053	ug/l	98
88) Hexachlorobutadiene	14.013	225	15456	2.099	ug/l	97
89) Naphthalene	14.084	128	47012	2.046	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	25128	2.148	ug/l	97

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

