

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020124\
 Data File : VU057770.D
 Acq On : 01 Feb 2024 10:54
 Operator : MD/SY
 Sample : VU0201WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0201WBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/08/2024
 Supervised By : Mahesh Dadoda 02/08/2024

Quant Time: Feb 02 00:33:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 02 00:27:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	42918	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	14872	0.915	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	13763	0.940	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	29569	2.069	ug/l	97
3) Chloromethane	1.518	50	29162	2.127	ug/l	96
4) Vinyl Chloride	1.602	62	29199	2.088	ug/l	100
5) Bromomethane	1.856	94	18288	2.204	ug/l	94
6) Chloroethane	1.933	64	18530	2.098	ug/l	97
7) Trichlorofluoromethane	2.136	101	43168	2.016	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	22613	2.054	ug/l	96
9) 1,1-Dichloroethene	2.576	96	22089	2.071	ug/l	92
10) Iodomethane	2.718	142	26249	2.075	ug/l	98
11) Allyl Chloride	2.920	41	30125	2.082	ug/l	85
12) Acrylonitrile	3.332	53	7094	3.897	ug/l	# 93
13) Acetone	2.650	43	35221	10.691	ug/l	95
14) Carbon Disulfide	2.789	76	69393	2.033	ug/l	100
15) Methylene Chloride	3.039	84	26363	2.069	ug/l	98
16) trans-1,2-Dichloroethene	3.351	96	24063	2.066	ug/l	95
17) 1,1-Dichloroethane	3.862	63	45800	2.083	ug/l	98
18) 2-Butanone	4.721	43	37040	10.431	ug/l	100
19) Cyclohexane	5.383	56	36123	2.097	ug/l	89
20) Methylcyclohexane	6.756	83	42068	2.021	ug/l	97
21) 2,2-Dichloropropane	4.657	77	41266	2.114	ug/l	99
22) cis-1,2-Dichloroethene	4.663	96	26336	2.065	ug/l	96
23) Diethyl Ether	2.371	59	15172	1.971	ug/l	97
24) tert-Butyl Alcohol	3.264	59	19693m	22.504	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	51175	2.045	ug/l	# 91
26) Bromochloromethane	4.968	128	10507	2.051	ug/l	96
27) Chloroform	5.081	83	46594	2.039	ug/l	97
28) 1,1,1-Trichloroethane	5.309	97	43157	2.091	ug/l	98
29) 1,1-Dichloropropene	5.522	75	34022	2.038	ug/l	97
30) Carbon Tetrachloride	5.518	117	36886	2.074	ug/l	93
31) Isopropyl Ether	3.985	45	66492	2.067	ug/l	96
32) Ethyl-t-butyl ether	4.493	59	60491	2.025	ug/l	100
33) Tert-Amyl methyl ether	5.933	73	48690	1.936	ug/l	97
34) Propionitrile	4.821	54	7094m	9.639	ug/l	
35) Benzene	5.769	78	99255	2.065	ug/l	98
36) 1,2-Dichloroethane	5.792	62	28529	2.036	ug/l	97
37) Trichloroethene	6.538	130	26431	2.070	ug/l	96
38) 1,2-Dichloropropane	6.785	63	25896	2.077	ug/l	97
39) Methacrylonitrile	4.981	41	6107	2.082	ug/l	# 85
40) Methyl acrylate	4.859	55	8493	1.996	ug/l	# 96
41) Tetrahydrofuran	5.071	42	6375	4.071	ug/l	93
42) 1-Chlorobutane	5.454	56	45480	2.066	ug/l	93
43) Dibromomethane	6.914	93	11957	2.086	ug/l	99
44) Bromodichloromethane	7.100	83	33064	2.060	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	59800	9.788	ug/l	98
46) t-1,4-Dichloro-2-butene	10.833	75	7293m	4.985	ug/l	
47) Methyl methacrylate	6.959	69	18716	3.696	ug/l #	83
48) Ethyl methacrylate	8.335	69	19950	1.966	ug/l	99
49) Toluene	7.965	92	60482	2.060	ug/l	98
50) t-1,3-Dichloropropene	8.206	75	28217	2.036	ug/l	99
51) cis-1,3-Dichloropropene	7.602	75	35799	2.040	ug/l	95
52) 1,1,2-Trichloroethane	8.396	97	16462	2.084	ug/l	99
53) 1,3-Dichloropropane	8.570	76	28624	2.016	ug/l	99
54) 2-Hexanone	8.682	43	56322	10.014	ug/l	98
55) Dibromochloromethane	8.804	129	19144	1.958	ug/l	99
56) 1,2-Dibromoethane	8.920	107	15081	2.075	ug/l	97
58) Tetrachloroethene	8.550	164	24153	2.144	ug/l	98
59) Chlorobenzene	9.444	112	66623	2.052	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.528	131	22417	2.034	ug/l	97
61) Pentachloroethane	11.422	117	15696	1.959	ug/l	90
62) Hexachloroethane	12.470	117	15854	1.926	ug/l	100
63) Ethyl Benzene	9.566	91	118001	2.043	ug/l	99
64) m/p-Xylenes	9.689	106	83597	3.986	ug/l	94
65) o-Xylene	10.097	106	41413	1.995	ug/l	94
66) Styrene	10.113	104	58865	1.900	ug/l	96
67) Bromoform	10.287	173	9649	1.917	ug/l	99
69) Isopropylbenzene	10.480	105	106144	1.950	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.779	83	18688	1.888	ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	14477m	1.771	ug/l	
72) Bromobenzene	10.779	156	24518	2.047	ug/l	88
73) n-propylbenzene	10.901	120	26109	1.909	ug/l	99
74) 2-Chlorotoluene	10.981	126	26202	2.065	ug/l	98
75) 1,3,5-Trimethylbenzene	11.084	105	96293	2.060	ug/l	97
76) 4-Chlorotoluene	11.094	126	25113	1.970	ug/l	94
77) tert-Butylbenzene	11.415	119	83985	1.914	ug/l	97
78) 1,2,4-Trimethylbenzene	11.463	105	93175	1.965	ug/l	99
79) sec-Butylbenzene	11.637	105	110540	1.971	ug/l	100
80) Nitrobenzene	13.216	77	1460	8.507	ug/l #	79
81) p-Isopropyltoluene	11.788	119	95031	2.010	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	46481	1.920	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	44923	1.901	ug/l	97
84) n-Butylbenzene	12.203	91	88406	1.955	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	42488	1.934	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.997	75	2549	1.891	ug/l	93
87) 1,2,4-Trichlorobenzene	13.836	180	24053	1.832	ug/l	98
88) Hexachlorobutadiene	14.016	225	16496	1.959	ug/l	99
89) Naphthalene	14.084	128	34414	1.698	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	18981	1.738	ug/l	98

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

