

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020124\
 Data File : VU057771.D
 Acq On : 01 Feb 2024 11:19
 Operator : MD/SY
 Sample : VU0201WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0201WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Feb 02 00:33:57 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	42156	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	15051	0.943	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	13680	0.952	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	28332	2.018	ug/l	96
3) Chloromethane	1.518	50	26819	1.991	ug/l	100
4) Vinyl Chloride	1.602	62	27605	2.010	ug/l	98
5) Bromomethane	1.856	94	18029	2.212	ug/l	96
6) Chloroethane	1.933	64	17467	2.013	ug/l	98
7) Trichlorofluoromethane	2.132	101	41122	1.955	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	21094	1.951	ug/l	93
9) 1,1-Dichloroethene	2.576	96	21013	2.006	ug/l	99
10) Iodomethane	2.718	142	24308	1.956	ug/l	95
11) Allyl Chloride	2.917	41	29366	2.066	ug/l	85
12) Acrylonitrile	3.338	53	7415	4.147	ug/l #	89
13) Acetone	2.650	43	31882	9.852	ug/l	95
14) Carbon Disulfide	2.788	76	67250	2.005	ug/l	100
15) Methylene Chloride	3.039	84	26283	2.100	ug/l	95
16) trans-1,2-Dichloroethene	3.348	96	23501	2.054	ug/l	96
17) 1,1-Dichloroethane	3.859	63	43485	2.014	ug/l	99
18) 2-Butanone	4.724	43	34929	10.015	ug/l	97
19) Cyclohexane	5.380	56	33270	1.966	ug/l	87
20) Methylcyclohexane	6.756	83	41115	2.010	ug/l	96
21) 2,2-Dichloropropane	4.657	77	38151	1.990	ug/l	99
22) cis-1,2-Dichloroethene	4.660	96	25115	2.005	ug/l	96
23) Diethyl Ether	2.370	59	14925	1.974	ug/l	95
24) tert-Butyl Alcohol	3.261	59	19673m	22.888	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	50268	2.045	ug/l	97
26) Bromochloromethane	4.972	128	9748	1.937	ug/l	96
27) Chloroform	5.081	83	46116	2.054	ug/l	98
28) 1,1,1-Trichloroethane	5.309	97	41103	2.028	ug/l	99
29) 1,1-Dichloropropene	5.521	75	33803	2.061	ug/l	96
30) Carbon Tetrachloride	5.515	117	34716	1.988	ug/l	96
31) Isopropyl Ether	3.981	45	63589	2.012	ug/l	96
32) Ethyl-t-butyl ether	4.493	59	58027	1.978	ug/l	98
33) Tert-Amyl methyl ether	5.933	73	49398	2.000	ug/l	98
34) Propionitrile	4.814	54	7084	9.800	ug/l #	3
35) Benzene	5.769	78	93823	1.987	ug/l	98
36) 1,2-Dichloroethane	5.792	62	28250	2.053	ug/l	97
37) Trichloroethene	6.537	130	25564	2.039	ug/l	97
38) 1,2-Dichloropropane	6.785	63	25262	2.063	ug/l	99
39) Methacrylonitrile	4.978	41	5714	1.983	ug/l	95
40) Methyl acrylate	4.862	55	8676	2.049	ug/l #	78
41) Tetrahydrofuran	5.065	42	6062	3.941	ug/l	98
42) 1-Chlorobutane	5.451	56	44958	2.079	ug/l	99
43) Dibromomethane	6.914	93	11466	2.036	ug/l	96
44) Bromodichloromethane	7.100	83	31352	1.989	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	59649	9.940	ug/l	98
46) t-1,4-Dichloro-2-butene	10.833	75	6544m	4.617	ug/l	
47) Methyl methacrylate	6.959	69	19334	3.887	ug/l #	90
48) Ethyl methacrylate	8.332	69	18645	1.870	ug/l	96
49) Toluene	7.965	92	58037	2.012	ug/l	98
50) t-1,3-Dichloropropene	8.206	75	27104	1.991	ug/l	97
51) cis-1,3-Dichloropropene	7.602	75	33941	1.969	ug/l #	91
52) 1,1,2-Trichloroethane	8.396	97	15326	1.975	ug/l	95
53) 1,3-Dichloropropane	8.570	76	28009	2.008	ug/l	99
54) 2-Hexanone	8.685	43	55593	10.063	ug/l	97
55) Dibromochloromethane	8.804	129	18399	1.916	ug/l	100
56) 1,2-Dibromoethane	8.920	107	14132	1.979	ug/l	95
58) Tetrachloroethene	8.547	164	22763	2.057	ug/l	94
59) Chlorobenzene	9.444	112	64021	2.007	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.528	131	20965	1.936	ug/l	98
61) Pentachloroethane	11.422	117	14838	1.885	ug/l	88
62) Hexachloroethane	12.470	117	15811	1.948	ug/l	94
63) Ethyl Benzene	9.563	91	111657	1.969	ug/l	98
64) m/p-Xylenes	9.688	106	81309	3.947	ug/l	97
65) o-Xylene	10.097	106	40240	1.973	ug/l	93
66) Styrene	10.110	104	57881	1.902	ug/l	95
67) Bromoform	10.287	173	9789	1.980	ug/l	96
69) Isopropylbenzene	10.479	105	103474	1.936	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	18552	1.908	ug/l	100
71) 1,2,3-Trichloropropane	10.820	75	14913m	1.857	ug/l	
72) Bromobenzene	10.778	156	22966	1.952	ug/l	81
73) n-propylbenzene	10.901	120	25077	1.867	ug/l	97
74) 2-Chlorotoluene	10.981	126	25006	2.007	ug/l	99
75) 1,3,5-Trimethylbenzene	11.081	105	90295	1.966	ug/l	98
76) 4-Chlorotoluene	11.094	126	24341	1.944	ug/l	95
77) tert-Butylbenzene	11.415	119	81804	1.898	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	90643	1.946	ug/l	99
79) sec-Butylbenzene	11.637	105	108164	1.964	ug/l	99
80) Nitrobenzene	13.222	77	2134	11.181	ug/l #	87
81) p-Isopropyltoluene	11.788	119	91701	1.975	ug/l	97
82) 1,3-Dichlorobenzene	11.740	146	44707	1.880	ug/l	97
83) 1,4-Dichlorobenzene	11.833	146	45972	1.980	ug/l	98
84) n-Butylbenzene	12.203	91	88264	1.988	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	41822	1.938	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.994	75	2422	1.842	ug/l	98
87) 1,2,4-Trichlorobenzene	13.836	180	25277	1.960	ug/l	98
88) Hexachlorobutadiene	14.013	225	16411	1.984	ug/l	99
89) Naphthalene	14.087	128	37782	1.898	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	20889	1.947	ug/l	99

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

