

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101624\
 Data File : VU061135.D
 Acq On : 16 Oct 2024 11:15
 Operator : MD/SY
 Sample : VSTDICC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/17/2024
 Supervised By :Semsettin Yesilyurt 10/17/2024

Quant Time: Oct 17 04:52:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101624DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 17 04:49:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	29191	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	15490	1.028	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	15509	1.057	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	29595	5.206	ug/l	98
3) Chloromethane	1.515	50	18184	4.664	ug/l	94
4) Vinyl Chloride	1.602	62	23839	5.202	ug/l	100
5) Bromomethane	1.853	94	14605	4.751	ug/l	99
6) Chloroethane	1.930	64	23904	5.005	ug/l	95
7) Trichlorofluoromethane	2.132	101	55828	5.062	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	36928	5.197	ug/l	99
9) 1,1-Dichloroethene	2.573	96	26443	5.236	ug/l	97
10) Iodomethane	2.714	142	22885	5.012	ug/l	98
11) Allyl Chloride	2.917	41	40562	4.973	ug/l	97
12) Acrylonitrile	3.319	53	20979m	10.222	ug/l	
13) Acetone	2.637	43	71583	22.611	ug/l	99
14) Carbon Disulfide	2.788	76	19404	4.813	ug/l	96
15) Methylene Chloride	3.039	84	41849	4.822	ug/l	97
16) trans-1,2-Dichloroethene	3.348	96	29025	5.089	ug/l	99
17) 1,1-Dichloroethane	3.859	63	87658	5.126	ug/l	99
18) 2-Butanone	4.705	43	83630	23.202	ug/l	99
19) Cyclohexane	5.380	56	36897m	5.135	ug/l	
20) Methylcyclohexane	6.753	83	46645	5.101	ug/l	99
21) 2,2-Dichloropropane	4.653	77	84284	5.085	ug/l	100
22) cis-1,2-Dichloroethene	4.656	96	50009	5.180	ug/l	99
23) Diethyl Ether	2.370	59	28297	5.118	ug/l	99
24) tert-Butyl Alcohol	3.222	59	47880	51.573	ug/l #	85
25) Methyl tert-Butyl Ether	3.354	73	131570	5.178	ug/l	99
26) Bromochloromethane	4.962	128	20495	5.095	ug/l	98
27) Chloroform	5.078	83	103003	5.009	ug/l	99
28) 1,1,1-Trichloroethane	5.306	97	84360	5.184	ug/l	98
29) 1,1-Dichloropropene	5.518	75	50065	5.310	ug/l	98
30) Carbon Tetrachloride	5.515	117	65341	5.211	ug/l	99
31) Isopropyl Ether	3.981	45	144462	5.171	ug/l	99
32) Ethyl-t-butyl ether	4.489	59	151095	5.112	ug/l	99
33) Tert-Amyl methyl ether	5.930	73	138705	5.049	ug/l	99
34) Propionitrile	4.785	54	21704m	25.876	ug/l	
35) Benzene	5.766	78	170221	5.141	ug/l	98
36) 1,2-Dichloroethane	5.785	62	59582	5.220	ug/l	100
37) Trichloroethene	6.534	130	47255	5.151	ug/l	95
38) 1,2-Dichloropropane	6.782	63	56642	5.149	ug/l	98
39) Methacrylonitrile	4.968	41	14896	5.235	ug/l	97
40) Methyl acrylate	4.849	55	26111m	5.450	ug/l	
41) Tetrahydrofuran	5.058	42	15850m	10.341	ug/l	
42) 1-Chlorobutane	5.451	56	67497	5.069	ug/l	100
43) Dibromomethane	6.910	93	26613	5.197	ug/l	99
44) Bromodichloromethane	7.097	83	79447	5.116	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.782	43	169415	25.237	ug/l	100
46) t-1,4-Dichloro-2-butene	10.827	75	27573m	9.602	ug/l	
47) Methyl methacrylate	6.952	69	54706	10.449	ug/l	98
48) Ethyl methacrylate	8.325	69	57401	5.256	ug/l	100
49) Toluene	7.962	92	114980	5.111	ug/l	99
50) t-1,3-Dichloropropene	8.203	75	72166	5.279	ug/l	100
51) cis-1,3-Dichloropropene	7.598	75	82315	5.172	ug/l	97
52) 1,1,2-Trichloroethane	8.389	97	43808	5.050	ug/l	98
53) 1,3-Dichloropropane	8.566	76	72696	5.174	ug/l	100
54) 2-Hexanone	8.676	43	140427	23.782	ug/l	99
55) Dibromochloromethane	8.801	129	53615	5.118	ug/l	98
56) 1,2-Dibromoethane	8.917	107	37250	5.094	ug/l	97
58) Tetrachloroethene	8.544	164	41051	5.117	ug/l	97
59) Chlorobenzene	9.438	112	150304	5.156	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.524	131	57883	5.090	ug/l	98
61) Pentachloroethane	11.418	117	45223	5.162	ug/l	97
62) Hexachloroethane	12.466	117	46336	5.072	ug/l	99
63) Ethyl Benzene	9.560	91	256235	5.143	ug/l	99
64) m/p-Xylenes	9.685	106	190974	10.301	ug/l	99
65) o-Xylene	10.090	106	102371	5.221	ug/l	98
66) Styrene	10.106	104	162603	5.203	ug/l	99
67) Bromoform	10.280	173	28277	5.021	ug/l	99
69) Isopropylbenzene	10.476	105	272993	5.121	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	59208	5.188	ug/l	98
71) 1,2,3-Trichloropropane	10.814	75	49088m	5.530	ug/l	
72) Bromobenzene	10.775	156	60558	5.192	ug/l	99
73) n-propylbenzene	10.897	120	71554	5.139	ug/l	98
74) 2-Chlorotoluene	10.975	126	66115	5.227	ug/l	97
75) 1,3,5-Trimethylbenzene	11.077	105	231364	5.170	ug/l	100
76) 4-Chlorotoluene	11.090	126	66838	5.212	ug/l	97
77) tert-Butylbenzene	11.412	119	239600	5.143	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	238535	5.221	ug/l	100
79) sec-Butylbenzene	11.634	105	308528	5.123	ug/l	99
80) Nitrobenzene	13.209	77	6817m	23.393	ug/l	
81) p-Isopropyltoluene	11.785	119	252531	5.170	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	125841	5.122	ug/l	100
83) 1,4-Dichlorobenzene	11.827	146	124788	5.112	ug/l	99
84) n-Butylbenzene	12.200	91	242045	5.147	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	121950	5.152	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.991	75	8988	5.058	ug/l	100
87) 1,2,4-Trichlorobenzene	13.833	180	74784	5.294	ug/l	99
88) Hexachlorobutadiene	14.010	225	39180	4.994	ug/l	99
89) Naphthalene	14.081	128	124387	5.243	ug/l	99
90) 1,2,3-Trichlorobenzene	14.318	180	62590	5.234	ug/l	100

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

