

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111224\
 Data File : VU061598.D
 Acq On : 12 Nov 2024 10:21
 Operator : MD/SY
 Sample : VSTDICC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC005

Quant Time: Nov 13 04:42:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U111224DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Nov 13 04:39:24 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2024
 Supervised By :Mahesh Dadoda 11/13/2024

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

Internal Standards						
1) Fluorobenzene	6.107	96	48901	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	17476	1.030	ug/l	0.00
Spiked Amount	1.000		Recovery	=	103.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	17355	1.027	ug/l	0.00
Spiked Amount	1.000		Recovery	=	103.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	68401	5.442	ug/l	100
3) Chloromethane	1.518	50	62019	5.159	ug/l	99
4) Vinyl Chloride	1.602	62	71903	5.316	ug/l	99
5) Bromomethane	1.853	94	42651	4.994	ug/l	100
6) Chloroethane	1.930	64	55678	5.090	ug/l	99
7) Trichlorofluoromethane	2.133	101	103581	5.350	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	55563	5.362	ug/l	99
9) 1,1-Dichloroethene	2.573	96	58957	5.431	ug/l	98
10) Iodomethane	2.715	142	55475	4.735	ug/l	100
11) Allyl Chloride	2.917	41	66981	5.332	ug/l	98
12) Acrylonitrile	3.319	53	23783	11.077	ug/l	98
13) Acetone	2.641	43	75846	25.309	ug/l	99
14) Carbon Disulfide	2.789	76	184294	5.254	ug/l	100
15) Methylene Chloride	3.039	84	69167	5.275	ug/l	99
16) trans-1,2-Dichloroethene	3.345	96	66708	5.290	ug/l	98
17) 1,1-Dichloroethane	3.859	63	119581	5.317	ug/l	100
18) 2-Butanone	4.705	43	93127	26.796	ug/l	99
19) Cyclohexane	5.380	56	100801m	5.524	ug/l	
20) Methylcyclohexane	6.753	83	113416	5.543	ug/l	99
21) 2,2-Dichloropropane	4.653	77	95685	5.290	ug/l	100
22) cis-1,2-Dichloroethene	4.657	96	73795	5.364	ug/l	98
23) Diethyl Ether	2.371	59	42565	5.260	ug/l	99
24) tert-Butyl Alcohol	3.232	59	45475m	55.115	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	142621	5.359	ug/l	99
26) Bromochloromethane	4.965	128	32890	5.426	ug/l	99
27) Chloroform	5.078	83	126552	5.305	ug/l	100
28) 1,1,1-Trichloroethane	5.306	97	107023	5.430	ug/l	99
29) 1,1-Dichloropropene	5.518	75	94300	5.326	ug/l	98
30) Carbon Tetrachloride	5.515	117	92534	5.478	ug/l	97
31) Isopropyl Ether	3.981	45	158504	5.296	ug/l	98
32) Ethyl-t-butyl ether	4.489	59	153379	5.361	ug/l	99
33) Tert-Amyl methyl ether	5.930	73	140769	5.444	ug/l	99
34) Propionitrile	4.788	54	22623	27.855	ug/l	# 96
35) Benzene	5.766	78	283736	5.376	ug/l	99
36) 1,2-Dichloroethane	5.785	62	79033	5.389	ug/l	100
37) Trichloroethene	6.534	130	75591	5.409	ug/l	100
38) 1,2-Dichloropropane	6.782	63	70720	5.337	ug/l	98
39) Methacrylonitrile	4.968	41	16285	5.602	ug/l	98
40) Methyl acrylate	4.846	55	25857	4.914	ug/l	97
41) Tetrahydrofuran	5.055	42	18682	11.379	ug/l	94
42) 1-Chlorobutane	5.448	56	121646	5.505	ug/l	98
43) Dibromomethane	6.911	93	37441	5.335	ug/l	98
44) Bromodichloromethane	7.097	83	85630	5.403	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.782	43	175902	26.947	ug/l	100
46) t-1,4-Dichloro-2-butene	10.817	75	39525m	10.951	ug/l	
47) Methyl methacrylate	6.952	69	63518	11.404	ug/l	99
48) Ethyl methacrylate	8.328	69	62824	5.549	ug/l	100
49) Toluene	7.962	92	175035	5.431	ug/l	98
50) t-1,3-Dichloropropene	8.203	75	78836	5.560	ug/l	97
51) cis-1,3-Dichloropropene	7.599	75	96945	5.329	ug/l	97
52) 1,1,2-Trichloroethane	8.390	97	51418	5.345	ug/l	98
53) 1,3-Dichloropropane	8.566	76	89025	5.423	ug/l	100
54) 2-Hexanone	8.679	43	146577	26.354	ug/l	97
55) Dibromochloromethane	8.801	129	56789	5.454	ug/l	98
56) 1,2-Dibromoethane	8.917	107	49027	5.423	ug/l	100
58) Tetrachloroethene	8.544	164	67674	5.383	ug/l	98
59) Chlorobenzene	9.438	112	191924	5.391	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.525	131	64215	5.465	ug/l	99
61) Pentachloroethane	11.418	117	49681	5.619	ug/l	96
62) Hexachloroethane	12.467	117	44245	4.790	ug/l	96
63) Ethyl Benzene	9.560	91	330561	5.515	ug/l	99
64) m/p-Xylenes	9.685	106	257825	11.169	ug/l	98
65) o-Xylene	10.090	106	124563	5.534	ug/l	100
66) Styrene	10.107	104	199151	4.995	ug/l	99
67) Bromoform	10.280	173	29325	5.428	ug/l	99
69) Isopropylbenzene	10.476	105	292449	5.555	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	64432	5.439	ug/l	100
71) 1,2,3-Trichloropropane	10.814	75	49335m	5.111	ug/l	
72) Bromobenzene	10.772	156	75119	5.382	ug/l	99
73) n-propylbenzene	10.898	120	87585	5.627	ug/l	99
74) 2-Chlorotoluene	10.978	126	78419	5.647	ug/l	99
75) 1,3,5-Trimethylbenzene	11.078	105	271296	5.692	ug/l	100
76) 4-Chlorotoluene	11.087	126	81429	5.701	ug/l	99
77) tert-Butylbenzene	11.412	119	260872	5.606	ug/l	99
78) 1,2,4-Trimethylbenzene	11.457	105	272986	5.011	ug/l	100
79) sec-Butylbenzene	11.634	105	347685	5.637	ug/l	99
80) Nitrobenzene	13.206	77	4594m	23.391	ug/l	
81) p-Isopropyltoluene	11.785	119	285141	4.976	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	146069	5.410	ug/l	99
83) 1,4-Dichlorobenzene	11.827	146	146140	5.408	ug/l	98
84) n-Butylbenzene	12.200	91	262542	4.975	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	140215	5.503	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	8553	4.864	ug/l	98
87) 1,2,4-Trichlorobenzene	13.833	180	77913	4.679	ug/l	99
88) Hexachlorobutadiene	14.013	225	45874	5.391	ug/l	100
89) Naphthalene	14.081	128	126112	4.580	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	72200	4.742	ug/l	97

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

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