

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111224\
 Data File : VU061611.D
 Acq On : 12 Nov 2024 19:02
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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

Quant Time: Nov 13 05:11:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U111224DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Nov 13 05:00:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	47913	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	16344	0.983	ug/l	0.00
Spiked Amount	1.000		Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.183	152	17995	1.087	ug/l	0.00
Spiked Amount	1.000		Recovery	=	109.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	125267	10.171	ug/l	99
3) Chloromethane	1.515	50	122555	10.405	ug/l	100
4) Vinyl Chloride	1.599	62	137147	10.348	ug/l	99
5) Bromomethane	1.853	94	89934	10.748	ug/l	99
6) Chloroethane	1.930	64	105180	9.813	ug/l	99
7) Trichlorofluoromethane	2.132	101	196425	10.355	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	104303	10.273	ug/l	99
9) 1,1-Dichloroethene	2.573	96	111653	10.497	ug/l	100
10) Iodomethane	2.714	142	120077	9.572	ug/l	100
11) Allyl Chloride	2.917	41	129955	10.558	ug/l	97
12) Acrylonitrile	3.316	53	47057	22.369	ug/l	97
13) Acetone	2.640	43	118402	40.324	ug/l	99
14) Carbon Disulfide	2.785	76	348732	10.147	ug/l	100
15) Methylene Chloride	3.036	84	136987	10.663	ug/l	98
16) trans-1,2-Dichloroethene	3.345	96	130485	10.560	ug/l	96
17) 1,1-Dichloroethane	3.856	63	234030	10.620	ug/l	99
18) 2-Butanone	4.701	43	161670	47.478	ug/l	99
19) Cyclohexane	5.380	56	181483m	10.152	ug/l	
20) Methylcyclohexane	6.753	83	208750	10.413	ug/l	99
21) 2,2-Dichloropropane	4.653	77	180361	10.177	ug/l	99
22) cis-1,2-Dichloroethene	4.656	96	146114	10.839	ug/l	99
23) Diethyl Ether	2.370	59	86093	10.859	ug/l	99
24) tert-Butyl Alcohol	3.242	59	89583	110.794	ug/l	# 86
25) Methyl tert-Butyl Ether	3.354	73	289580	11.105	ug/l	100
26) Bromochloromethane	4.962	128	64763	10.905	ug/l	99
27) Chloroform	5.074	83	253358	10.840	ug/l	99
28) 1,1,1-Trichloroethane	5.306	97	210125	10.882	ug/l	100
29) 1,1-Dichloropropene	5.515	75	185420	10.688	ug/l	100
30) Carbon Tetrachloride	5.515	117	178587	10.790	ug/l	100
31) Isopropyl Ether	3.981	45	320418	10.927	ug/l	98
32) Ethyl-t-butyl ether	4.489	59	313500	11.185	ug/l	100
33) Tert-Amyl methyl ether	5.930	73	287505	11.348	ug/l	100
34) Propionitrile	4.782	54	47277	57.821	ug/l	99
35) Benzene	5.763	78	560374	10.837	ug/l	99
36) 1,2-Dichloroethane	5.782	62	158632	11.040	ug/l	100
37) Trichloroethene	6.534	130	146601	10.707	ug/l	99
38) 1,2-Dichloropropane	6.779	63	143542	11.056	ug/l	100
39) Methacrylonitrile	4.962	41	34420	12.137	ug/l	96
40) Methyl acrylate	4.840	55	62810	12.010	ug/l	94
41) Tetrahydrofuran	5.052	42	35028	21.775	ug/l	99
42) 1-Chlorobutane	5.447	56	237968	10.992	ug/l	96
43) Dibromomethane	6.910	93	75723	11.013	ug/l	98
44) Bromodichloromethane	7.097	83	175319	11.291	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.782	43	356491	55.737	ug/l	99
46) t-1,4-Dichloro-2-butene	10.820	75	74246m	21.211	ug/l	
47) Methyl methacrylate	6.952	69	130148	23.849	ug/l	99
48) Ethyl methacrylate	8.325	69	130010	11.720	ug/l	99
49) Toluene	7.959	92	349028	11.053	ug/l	98
50) t-1,3-Dichloropropene	8.200	75	160543	11.555	ug/l	99
51) cis-1,3-Dichloropropene	7.598	75	198664	11.146	ug/l	99
52) 1,1,2-Trichloroethane	8.389	97	104030	11.037	ug/l	99
53) 1,3-Dichloropropane	8.566	76	180298	11.208	ug/l	100
54) 2-Hexanone	8.676	43	259384	47.598	ug/l	100
55) Dibromochloromethane	8.801	129	118527	11.617	ug/l	99
56) 1,2-Dibromoethane	8.914	107	99522	11.235	ug/l	99
58) Tetrachloroethene	8.544	164	127241	10.331	ug/l	99
59) Chlorobenzene	9.438	112	385858	11.061	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.524	131	132410	11.501	ug/l	99
61) Pentachloroethane	11.418	117	102547	11.838	ug/l	99
62) Hexachloroethane	12.466	117	95189	10.064	ug/l	100
63) Ethyl Benzene	9.560	91	659901	11.236	ug/l	100
64) m/p-Xylenes	9.685	106	523102	23.128	ug/l	100
65) o-Xylene	10.090	106	250179	11.344	ug/l	99
66) Styrene	10.106	104	416699	10.345	ug/l	99
67) Bromoform	10.280	173	63891	12.071	ug/l	99
69) Isopropylbenzene	10.476	105	579067	11.226	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	128886	11.105	ug/l	100
71) 1,2,3-Trichloropropane	10.814	75	100235m	10.732	ug/l	
72) Bromobenzene	10.772	156	154049	11.264	ug/l	100
73) n-propylbenzene	10.897	120	176477	11.572	ug/l	100
74) 2-Chlorotoluene	10.978	126	159144	11.697	ug/l	97
75) 1,3,5-Trimethylbenzene	11.077	105	552246	11.826	ug/l	99
76) 4-Chlorotoluene	11.087	126	163803	11.705	ug/l	99
77) tert-Butylbenzene	11.412	119	527225	11.564	ug/l	100
78) 1,2,4-Trimethylbenzene	11.457	105	561840	10.260	ug/l	99
79) sec-Butylbenzene	11.634	105	691109	11.435	ug/l	100
80) Nitrobenzene	13.200	77	10246	47.567	ug/l #	94
81) p-Isopropyltoluene	11.785	119	583350	10.102	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	302107	11.421	ug/l	99
83) 1,4-Dichlorobenzene	11.827	146	301802	11.398	ug/l	98
84) n-Butylbenzene	12.200	91	525485	9.889	ug/l	100
85) 1,2-Dichlorobenzene	12.203	146	286820	11.488	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	17540	9.769	ug/l	97
87) 1,2,4-Trichlorobenzene	13.830	180	167293	9.727	ug/l	99
88) Hexachlorobutadiene	14.010	225	91251	10.944	ug/l	99
89) Naphthalene	14.077	128	273289	9.415	ug/l	100
90) 1,2,3-Trichlorobenzene	14.318	180	152220	9.682	ug/l	98

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

