

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072223\
 Data File : VU054846.D
 Acq On : 21 Jul 2023 18:57
 Operator : MD/SY
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/31/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 24 09:36:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Jul 24 08:47:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	27004	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	7979	0.978	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	10152	1.075	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	83489	15.538	ug/l	99
3) Chloromethane	1.518	50	91155	14.608	ug/l	98
4) Vinyl Chloride	1.602	62	126596	15.804	ug/l	97
5) Bromomethane	1.856	94	91865	16.159	ug/l	99
6) Chloroethane	1.930	64	123875	16.365	ug/l	100
7) Trichlorofluoromethane	2.132	101	328512	16.921	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	88151	15.848	ug/l	98
9) 1,1-Dichloroethene	2.573	96	74148	15.961	ug/l	97
10) Iodomethane	2.714	142	118112	15.784	ug/l	98
11) Allyl Chloride	2.920	41	87378	16.034	ug/l	98
12) Acrylonitrile	3.322	53	36930	33.185	ug/l	95
13) Acetone	2.650	43	62010	63.249	ug/l	96
14) Carbon Disulfide	2.788	76	125670	16.047	ug/l	100
15) Methylene Chloride	3.039	84	99846	15.086	ug/l	99
16) trans-1,2-Dichloroethene	3.348	96	80966	15.684	ug/l	97
17) 1,1-Dichloroethane	3.862	63	176807	16.185	ug/l	96
18) 2-Butanone	4.708	43	110849	79.769	ug/l	100
19) Cyclohexane	5.383	56	98068	13.731	ug/l	88
20) Methylcyclohexane	6.759	83	138057	16.435	ug/l	99
21) 2,2-Dichloropropane	4.660	77	148193	15.553	ug/l	98
22) cis-1,2-Dichloroethene	4.663	96	107189	16.399	ug/l	99
23) Diethyl Ether	2.374	59	108578	15.212	ug/l	97
24) tert-Butyl Alcohol	3.245	59	90685m	136.356	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	235749	16.631	ug/l	99
26) Bromochloromethane	4.968	128	43700	17.538	ug/l	99
27) Chloroform	5.084	83	192774	16.059	ug/l	96
28) 1,1,1-Trichloroethane	5.312	97	164847	16.341	ug/l	99
29) 1,1-Dichloropropene	5.521	75	120408	16.781	ug/l	97
30) Carbon Tetrachloride	5.521	117	139167	16.599	ug/l	98
31) Isopropyl Ether	3.988	45	267913	16.572	ug/l	99
32) Ethyl-t-butyl ether	4.499	59	269119	16.201	ug/l	98
33) Tert-Amyl methyl ether	5.936	73	254316	16.267	ug/l	99
34) Propionitrile	4.795	54	38029	83.415	ug/l #	94
35) Benzene	5.769	78	382562	16.407	ug/l	98
36) 1,2-Dichloroethane	5.788	62	110739	16.532	ug/l	99
37) Trichloroethene	6.537	130	100362	15.927	ug/l	93
38) 1,2-Dichloropropane	6.785	63	108882	16.176	ug/l	100
39) Methacrylonitrile	4.972	41	27075	16.304	ug/l	96
40) Methyl acrylate	4.846	55	41526	14.684	ug/l #	92
41) Tetrahydrofuran	5.055	42	27699	28.636	ug/l	92
42) 1-Chlorobutane	5.454	56	158125	16.291	ug/l	100
43) Dibromomethane	6.914	93	53728	17.158	ug/l	97
44) Bromodichloromethane	7.100	83	142852	16.652	ug/l #	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	312390	84.299	ug/l	99
46) t-1,4-Dichloro-2-butene	10.833	75	54503m	34.983	ug/l	
47) Methyl methacrylate	6.955	69	98116	33.356	ug/l	96
48) Ethyl methacrylate	8.328	69	101417	16.971	ug/l	99
49) Toluene	7.965	92	250935	16.866	ug/l	98
50) t-1,3-Dichloropropene	8.206	75	132579	17.435	ug/l	98
51) cis-1,3-Dichloropropene	7.602	75	160183	17.324	ug/l	99
52) 1,1,2-Trichloroethane	8.396	97	78934	16.708	ug/l	93
53) 1,3-Dichloropropane	8.570	76	133331	16.746	ug/l	96
54) 2-Hexanone	8.682	43	216609	83.841	ug/l	99
55) Dibromochloromethane	8.804	129	96415	17.081	ug/l	97
56) 1,2-Dibromoethane	8.920	107	70312	17.016	ug/l	100
58) Tetrachloroethene	8.550	164	89899	16.371	ug/l	98
59) Chlorobenzene	9.441	112	298675	16.841	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.531	131	106819	17.062	ug/l	96
61) Pentachloroethane	11.425	117	88459	17.947	ug/l	97
62) Hexachloroethane	12.470	117	93502	18.469	ug/l	97
63) Ethyl Benzene	9.566	91	513281	16.978	ug/l	99
64) m/p-Xylenes	9.688	106	389433	34.070	ug/l	98
65) o-Xylene	10.097	106	196640	17.079	ug/l	97
66) Styrene	10.110	104	325044	17.572	ug/l	99
67) Bromoform	10.287	173	54231	17.830	ug/l	99
69) Isopropylbenzene	10.479	105	528000	16.902	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.778	83	102949	17.476	ug/l	98
71) 1,2,3-Trichloropropane	10.823	75	73086m	18.055	ug/l	
72) Bromobenzene	10.778	156	119769	16.619	ug/l	99
73) n-propylbenzene	10.901	120	144473	17.214	ug/l	96
74) 2-Chlorotoluene	10.981	126	122707	16.790	ug/l	99
75) 1,3,5-Trimethylbenzene	11.084	105	442105	17.373	ug/l	99
76) 4-Chlorotoluene	11.094	126	128909	17.158	ug/l	97
77) tert-Butylbenzene	11.415	119	454444	17.340	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	453753	17.731	ug/l	99
79) sec-Butylbenzene	11.640	105	593849	17.463	ug/l	100
80) Nitrobenzene	13.203	77	17183	78.237	ug/l #	94
81) p-Isopropyltoluene	11.788	119	496032	17.908	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	249622	17.303	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	245018	16.933	ug/l	100
84) n-Butylbenzene	12.206	91	484621	19.016	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	237625	17.294	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.991	75	15763	15.058	ug/l	95
87) 1,2,4-Trichlorobenzene	13.836	180	161912	18.379	ug/l	97
88) Hexachlorobutadiene	14.016	225	81318	17.280	ug/l	97
89) Naphthalene	14.081	128	263314	18.481	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	142303	18.691	ug/l	99

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

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