

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070722\
 Data File : VU049653.D
 Acq On : 07 Jul 2022 15:31
 Operator : SY/MD
 Sample : VU0707WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0707WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022
 Supervised By :Semsettin Yesilyurt 07/08/2022

Quant Time: Jul 08 09:11:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070622DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 07 07:00:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	46488	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	16458	0.967	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	17132	1.093	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	33869	1.902	ug/l	100
3) Chloromethane	1.533	50	34038	1.869	ug/l	96
4) Vinyl Chloride	1.604	62	30934	1.863	ug/l	99
5) Bromomethane	1.858	94	14850	1.715	ug/l	96
6) Chloroethane	1.935	64	16074	1.729	ug/l	99
7) Trichlorofluoromethane	2.138	101	38882	1.954	ug/l	94
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	18766	1.795	ug/l	94
9) 1,1-Dichloroethene	2.581	96	18989	1.802	ug/l	94
10) Iodomethane	2.720	142	17883	1.337	ug/l	96
11) Allyl Chloride	2.922	41	32846	1.827	ug/l	93
12) Acrylonitrile	3.324	53	11314	4.015	ug/l	94
13) Acetone	2.642	43	22746	11.070	ug/l	95
14) Carbon Disulfide	2.790	76	60370	1.740	ug/l	99
15) Methylene Chloride	3.044	84	40782	3.090	ug/l	98
16) trans-1,2-Dichloroethene	3.353	96	20691	1.869	ug/l	99
17) 1,1-Dichloroethane	3.871	63	40744	1.780	ug/l	98
18) 2-Butanone	4.726	43	35129	9.823	ug/l	98
19) Cyclohexane	5.385	56	32663	1.493	ug/l	90
20) Methylcyclohexane	6.761	83	35279	1.636	ug/l	97
21) 2,2-Dichloropropane	4.665	77	33414	1.784	ug/l	96
22) cis-1,2-Dichloroethene	4.668	96	23441	1.717	ug/l	96
23) Diethyl Ether	2.379	59	15945	1.776	ug/l	95
24) tert-Butyl Alcohol	3.234	59	20385	19.898	ug/l #	90
25) Methyl tert-Butyl Ether	3.372	73	54102	1.836	ug/l	96
26) Bromochloromethane	4.977	128	10816	1.882	ug/l	98
27) Chloroform	5.089	83	41738	1.853	ug/l	99
28) 1,1,1-Trichloroethane	5.318	97	34901	1.757	ug/l	96
29) 1,1-Dichloropropene	5.527	75	31439	1.772	ug/l	98
30) Carbon Tetrachloride	5.523	117	30987	1.853	ug/l	92
31) Isopropyl Ether	4.002	45	68671	1.749	ug/l	97
32) Ethyl-t-butyl ether	4.514	59	62724	1.688	ug/l	99
33) Tert-Amyl methyl ether	5.948	73	54267	1.680	ug/l	97
34) Propionitrile	4.797	54	10369	9.541	ug/l #	93
35) Benzene	5.774	78	90409	1.789	ug/l	98
36) 1,2-Dichloroethane	5.800	62	27809	1.935	ug/l	99
37) Trichloroethene	6.543	130	22632	1.772	ug/l	99
38) 1,2-Dichloropropane	6.793	63	24607	1.839	ug/l	98
39) Methacrylonitrile	4.986	41	8281	1.778	ug/l	96
40) Methyl acrylate	4.861	55	13587	1.863	ug/l	95
41) Tetrahydrofuran	5.073	42	9415	3.597	ug/l	96
42) 1-Chlorobutane	5.459	56	44813	1.801	ug/l	98
43) Dibromomethane	6.922	93	12584	1.887	ug/l	98
44) Bromodichloromethane	7.108	83	29728	1.860	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	80549	8.900	ug/l	99
46) t-1,4-Dichloro-2-butene	10.829	75	14535m	4.935	ug/l	
47) Methyl methacrylate	6.967	69	23219	3.453	ug/l	93
48) Ethyl methacrylate	8.337	69	22950	1.701	ug/l	99
49) Toluene	7.970	92	52790	1.710	ug/l	96
50) t-1,3-Dichloropropene	8.215	75	26499	1.717	ug/l	100
51) cis-1,3-Dichloropropene	7.610	75	31367	1.715	ug/l	96
52) 1,1,2-Trichloroethane	8.401	97	17855	1.940	ug/l	96
53) 1,3-Dichloropropane	8.578	76	29919	1.811	ug/l	99
54) 2-Hexanone	8.690	43	55524	8.834	ug/l	98
55) Dibromochloromethane	8.813	129	19164	1.823	ug/l	98
56) 1,2-Dibromoethane	8.925	107	16233	1.822	ug/l	96
58) Tetrachloroethene	8.552	164	19807	1.865	ug/l	96
59) Chlorobenzene	9.449	112	57681	1.786	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.536	131	20985	1.827	ug/l	96
61) Pentachloroethane	11.430	117	16309	1.849	ug/l	98
62) Hexachloroethane	12.478	117	15719	1.779	ug/l	99
63) Ethyl Benzene	9.571	91	99038	1.704	ug/l	99
64) m/p-Xylenes	9.694	106	74955	3.486	ug/l	99
65) o-Xylene	10.102	106	35927	1.700	ug/l	96
66) Styrene	10.115	104	59017	1.738	ug/l	99
67) Bromoform	10.292	173	11283	1.881	ug/l	95
69) Isopropylbenzene	10.485	105	98095	1.738	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.784	83	22130	1.851	ug/l	97
71) 1,2,3-Trichloropropane	10.825	75	17237m	1.741	ug/l	
72) Bromobenzene	10.784	156	23604	1.856	ug/l	98
73) n-propylbenzene	10.906	120	25337	1.779	ug/l	97
74) 2-Chlorotoluene	10.986	126	22875	1.801	ug/l	100
75) 1,3,5-Trimethylbenzene	11.089	105	83426	1.768	ug/l	98
76) 4-Chlorotoluene	11.099	126	22318	1.752	ug/l	99
77) tert-Butylbenzene	11.420	119	81515	1.755	ug/l	99
78) 1,2,4-Trimethylbenzene	11.468	105	84919	1.793	ug/l	97
79) sec-Butylbenzene	11.645	105	109002	1.789	ug/l	100
80) Nitrobenzene	13.214	77	4088	8.358	ug/l	99
81) p-Isopropyltoluene	11.793	119	88390	1.788	ug/l	100
82) 1,3-Dichlorobenzene	11.748	146	46096	1.874	ug/l	99
83) 1,4-Dichlorobenzene	11.838	146	46895	1.889	ug/l	98
84) n-Butylbenzene	12.208	91	83109	1.805	ug/l	99
85) 1,2-Dichlorobenzene	12.214	146	45498	1.909	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.999	75	3807	1.826	ug/l	97
87) 1,2,4-Trichlorobenzene	13.841	180	29384	1.827	ug/l	99
88) Hexachlorobutadiene	14.021	225	17632	2.152	ug/l	96
89) Naphthalene	14.089	128	55293	1.640	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	28261	1.841	ug/l	99

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

