

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012423\
 Data File : VU052781.D
 Acq On : 24 Jan 2023 10:11
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/27/2023
 Supervised By :Mahesh Dadoda 01/30/2023

Quant Time: Jan 25 01:29:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jan 24 05:16:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.112	96	40659	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	15431	1.141	ug/l	0.00
Spiked Amount 1.000			Recovery	=	114.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	14608	1.050	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	135749	9.865	ug/l	100
3) Chloromethane	1.520	50	113642	8.703	ug/l	98
4) Vinyl Chloride	1.604	62	117087	9.286	ug/l	99
5) Bromomethane	1.858	94	66889	10.208	ug/l	99
6) Chloroethane	1.935	64	71130	9.380	ug/l	99
7) Trichlorofluoromethane	2.138	101	182241	9.922	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	105313	10.487	ug/l	100
9) 1,1-Dichloroethene	2.578	96	97223	10.247	ug/l	96
10) Iodomethane	2.723	142	120161	11.442	ug/l	99
11) Allyl Chloride	2.922	41	124190	10.954	ug/l	96
12) Acrylonitrile	3.324	53	42969	21.361	ug/l	98
13) Acetone	2.655	43	170652	59.816	ug/l	97
14) Carbon Disulfide	2.794	76	321110	10.103	ug/l	100
15) Methylene Chloride	3.044	84	112089	9.781	ug/l	99
16) trans-1,2-Dichloroethene	3.350	96	109819	10.404	ug/l	98
17) 1,1-Dichloroethane	3.864	63	193352	10.848	ug/l	98
18) 2-Butanone	4.716	43	186105	56.147	ug/l	99
19) Cyclohexane	5.385	56	167026m	10.655	ug/l	
20) Methylcyclohexane	6.761	83	183938	10.518	ug/l	100
21) 2,2-Dichloropropane	4.662	77	171129	10.337	ug/l	99
22) cis-1,2-Dichloroethene	4.662	96	117980	10.694	ug/l	99
23) Diethyl Ether	2.376	59	65016	9.694	ug/l	99
24) tert-Butyl Alcohol	3.347	59	74683m	92.475	ug/l	
25) Methyl tert-Butyl Ether	3.359	73	227936	10.473	ug/l	99
26) Bromochloromethane	4.970	128	51723	10.042	ug/l	94
27) Chloroform	5.083	83	205969	10.780	ug/l	100
28) 1,1,1-Trichloroethane	5.314	97	184485	10.456	ug/l	98
29) 1,1-Dichloropropene	5.523	75	151122	10.159	ug/l	98
30) Carbon Tetrachloride	5.520	117	167339	10.452	ug/l	99
31) Isopropyl Ether	3.986	45	271987	10.615	ug/l	98
32) Ethyl-t-butyl ether	4.498	59	248281	10.379	ug/l	100
33) Tert-Amyl methyl ether	5.938	73	219355	10.369	ug/l	100
34) Propionitrile	4.803	54	38682	50.971	ug/l #	97
35) Benzene	5.771	78	440748	10.212	ug/l	100
36) 1,2-Dichloroethane	5.790	62	129672	10.002	ug/l	100
37) Trichloroethene	6.539	130	118052	10.033	ug/l	100
38) 1,2-Dichloropropane	6.787	63	110193	10.063	ug/l	98
39) Methacrylonitrile	4.970	41	30331	10.006	ug/l	97
40) Methyl acrylate	4.845	55	55896	10.403	ug/l	98
41) Tetrahydrofuran	5.067	42	30924	20.510	ug/l	90
42) 1-Chlorobutane	5.456	56	202391	10.642	ug/l	99
43) Dibromomethane	6.916	93	53992	9.741	ug/l	99
44) Bromodichloromethane	7.102	83	149302	9.929	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.790	43	294645	50.586	ug/l	99
46) t-1,4-Dichloro-2-butene	10.825	75	63088m	20.658	ug/l	
47) Methyl methacrylate	6.957	69	102117	20.725	ug/l	99
48) Ethyl methacrylate	8.330	69	93804	10.502	ug/l	99
49) Toluene	7.967	92	277131	10.575	ug/l	99
50) t-1,3-Dichloropropene	8.205	75	134988	10.293	ug/l	97
51) cis-1,3-Dichloropropene	7.604	75	156206	10.124	ug/l	99
52) 1,1,2-Trichloroethane	8.398	97	77509	9.833	ug/l	97
53) 1,3-Dichloropropane	8.571	76	135402	9.938	ug/l	98
54) 2-Hexanone	8.684	43	280208	54.989	ug/l	99
55) Dibromochloromethane	8.806	129	101004	9.797	ug/l	98
56) 1,2-Dibromoethane	8.919	107	73525	9.798	ug/l	98
58) Tetrachloroethene	8.549	164	108364	10.206	ug/l	99
59) Chlorobenzene	9.443	112	296499	10.396	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.530	131	110047	9.969	ug/l	99
61) Pentachloroethane	11.423	117	89699	9.919	ug/l	98
62) Hexachloroethane	12.472	117	92383	10.111	ug/l	98
63) Ethyl Benzene	9.568	91	512610	11.095	ug/l	99
64) m/p-Xylenes	9.690	106	422238	22.923	ug/l	100
65) o-Xylene	10.096	106	199045	11.199	ug/l	100
66) Styrene	10.112	104	326849	9.558	ug/l	99
67) Bromoform	10.288	173	59044	9.705	ug/l	98
69) Isopropylbenzene	10.481	105	516317	11.415	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.777	83	95916	9.762	ug/l	99
71) 1,2,3-Trichloropropane	10.822	75	85421m	10.043	ug/l	
72) Bromobenzene	10.777	156	121185	10.549	ug/l	98
73) n-propylbenzene	10.903	120	147893	9.705	ug/l	97
74) 2-Chlorotoluene	10.983	126	127701	11.178	ug/l	98
75) 1,3,5-Trimethylbenzene	11.083	105	446793	9.635	ug/l	99
76) 4-Chlorotoluene	11.092	126	130387	11.120	ug/l	99
77) tert-Butylbenzene	11.417	119	449233	11.422	ug/l	99
78) 1,2,4-Trimethylbenzene	11.462	105	458327	9.658	ug/l	100
79) sec-Butylbenzene	11.639	105	577458	9.490	ug/l	99
80) Nitrobenzene	13.201	77	22286	36.644	ug/l	98
81) p-Isopropyltoluene	11.790	119	498150	9.438	ug/l	99
82) 1,3-Dichlorobenzene	11.742	146	251899	10.741	ug/l	99
83) 1,4-Dichlorobenzene	11.832	146	249629	10.602	ug/l	99
84) n-Butylbenzene	12.205	91	427019	9.224	ug/l	99
85) 1,2-Dichlorobenzene	12.208	146	231698	10.468	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.993	75	16334	8.975	ug/l	98
87) 1,2,4-Trichlorobenzene	13.835	180	138299	10.418	ug/l	99
88) Hexachlorobutadiene	14.018	225	96108	10.330	ug/l	99
89) Naphthalene	14.082	128	228669	8.885	ug/l	100
90) 1,2,3-Trichlorobenzene	14.324	180	130275	10.339	ug/l	99

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

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