

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012323\
 Data File : VU052779.D
 Acq On : 23 Jan 2023 18:23
 Operator : JC/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU012323

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/24/2023
 Supervised By :Mahesh Dadoda 01/24/2023

Quant Time: Jan 24 05:19:52 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	39372	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	15153	1.157	ug/l	0.00
Spiked Amount 1.000			Recovery	=	116.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	15004	1.114	ug/l	0.00
Spiked Amount 1.000			Recovery	=	111.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	98295	7.377	ug/l	99
3) Chloromethane	1.520	50	104489	8.264	ug/l	97
4) Vinyl Chloride	1.604	62	110805	9.075	ug/l	98
5) Bromomethane	1.858	94	57594	9.077	ug/l	95
6) Chloroethane	1.932	64	68741	9.361	ug/l	97
7) Trichlorofluoromethane	2.138	101	173961	9.781	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	95384	9.808	ug/l	99
9) 1,1-Dichloroethene	2.578	96	92640	10.083	ug/l	100
10) Iodomethane	2.719	142	107005	10.522	ug/l	99
11) Allyl Chloride	2.922	41	123101	11.213	ug/l	96
12) Acrylonitrile	3.318	53	97031	49.813	ug/l	97
13) Acetone	2.639	43	142719	51.661	ug/l	97
14) Carbon Disulfide	2.790	76	284949	9.258	ug/l	98
15) Methylene Chloride	3.044	84	102332	9.222	ug/l	98
16) trans-1,2-Dichloroethene	3.346	96	102573	10.035	ug/l	99
17) 1,1-Dichloroethane	3.864	63	177284	10.272	ug/l	99
18) 2-Butanone	4.716	43	156327	48.705	ug/l	98
19) Cyclohexane	5.382	56	149994m	9.881	ug/l	
20) Methylcyclohexane	6.758	83	179123	10.577	ug/l	98
21) 2,2-Dichloropropane	4.662	77	163920	10.225	ug/l	97
22) cis-1,2-Dichloroethene	4.662	96	114477	10.715	ug/l	99
23) Diethyl Ether	2.375	59	63223	9.735	ug/l	98
24) tert-Butyl Alcohol	3.263	59	40762m	52.123	ug/l	
25) Methyl tert-Butyl Ether	3.363	73	228720	10.853	ug/l	99
26) Bromochloromethane	4.970	128	50918	10.208	ug/l	99
27) Chloroform	5.083	83	191061	10.327	ug/l	100
28) 1,1,1-Trichloroethane	5.311	97	175439	10.268	ug/l	98
29) 1,1-Dichloropropene	5.520	75	150639	10.457	ug/l	100
30) Carbon Tetrachloride	5.517	117	165062	10.647	ug/l	99
31) Isopropyl Ether	3.993	45	261121	10.524	ug/l	# 1
34) Propionitrile	4.793	54	75281	102.441	ug/l	# 9
35) Benzene	5.771	78	439069	10.505	ug/l	98
36) 1,2-Dichloroethane	5.790	62	129101	10.284	ug/l	100
37) Trichloroethene	6.539	130	117204	10.286	ug/l	100
38) 1,2-Dichloropropane	6.790	63	106708	10.063	ug/l	98
39) Methacrylonitrile	4.973	41	29055	9.898	ug/l	97
40) Methyl acrylate	4.848	55	49539	9.521	ug/l	98
41) Tetrahydrofuran	5.067	42	71445	48.935	ug/l	95
42) 1-Chlorobutane	5.452	56	193027	10.482	ug/l	100
43) Dibromomethane	6.915	93	58124	10.829	ug/l	99
44) Bromodichloromethane	7.105	83	152398	10.466	ug/l	99
45) 4-Methyl-2-Pentanone	7.796	43	303989	53.896	ug/l	100
46) t-1,4-Dichloro-2-butene	10.822	75	59951m	20.272	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.964	69	48965	10.263	ug/l	97
48) Ethyl methacrylate	8.333	69	97390	11.259	ug/l	98
49) Toluene	7.967	92	278107	10.959	ug/l	98
50) t-1,3-Dichloropropene	8.208	75	140224	11.041	ug/l	96
51) cis-1,3-Dichloropropene	7.604	75	161482	10.809	ug/l	99
52) 1,1,2-Trichloroethane	8.398	97	80184	10.505	ug/l	99
53) 1,3-Dichloropropane	8.571	76	139630	10.583	ug/l	98
54) 2-Hexanone	8.687	43	260378	52.768	ug/l	100
55) Dibromochloromethane	8.806	129	102235	10.241	ug/l	100
56) 1,2-Dibromoethane	8.922	107	77903	10.721	ug/l	98
58) Tetrachloroethene	8.549	164	110831	10.779	ug/l	99
59) Chlorobenzene	9.443	112	290581	10.521	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.533	131	114009	10.666	ug/l	99
61) Pentachloroethane	11.423	117	92495	10.562	ug/l	100
62) Hexachloroethane	12.471	117	92959	10.507	ug/l	100
63) Ethyl Benzene	9.568	91	525939	11.756	ug/l	100
64) m/p-Xylenes	9.690	106	434589	24.365	ug/l	100
65) o-Xylene	10.099	106	200150	11.629	ug/l	100
66) Styrene	10.111	104	342939	10.321	ug/l	100
67) Bromoform	10.288	173	61477	10.436	ug/l	99
69) Isopropylbenzene	10.481	105	534888	12.213	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.780	83	98162	10.317	ug/l	99
71) 1,2,3-Trichloropropane	10.822	75	83565m	10.146	ug/l	
72) Bromobenzene	10.780	156	123395	11.093	ug/l	99
73) n-propylbenzene	10.902	120	149710	10.126	ug/l	99
74) 2-Chlorotoluene	10.983	126	129649	11.719	ug/l	100
75) 1,3,5-Trimethylbenzene	11.086	105	468123	10.390	ug/l	99
76) 4-Chlorotoluene	11.092	126	133874	11.791	ug/l	98
77) tert-Butylbenzene	11.417	119	455244	11.953	ug/l	100
78) 1,2,4-Trimethylbenzene	11.465	105	462167	10.038	ug/l	100
79) sec-Butylbenzene	11.639	105	598488	10.127	ug/l	100
80) Nitrobenzene	13.208	77	5440	9.237	ug/l #	99
81) p-Isopropyltoluene	11.790	119	517310	10.086	ug/l	99
82) 1,3-Dichlorobenzene	11.742	146	258884	11.399	ug/l	99
83) 1,4-Dichlorobenzene	11.832	146	261008	11.447	ug/l	99
84) n-Butylbenzene	12.205	91	449145	9.971	ug/l	99
85) 1,2-Dichlorobenzene	12.208	146	240748	11.233	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.992	75	18543	10.522	ug/l	98
87) 1,2,4-Trichlorobenzene	13.835	180	162685	12.656	ug/l	99
88) Hexachlorobutadiene	14.018	225	100331	11.136	ug/l	99
89) Naphthalene	14.082	128	279525	11.216	ug/l	100
90) 1,2,3-Trichlorobenzene	14.327	180	150004	12.294	ug/l	97

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

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