

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020524\
 Data File : VU057810.D
 Acq On : 05 Feb 2024 17:44
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU020524

Quant Time: Feb 06 03:19:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U020524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 06 02:05:40 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/14/2024
 Supervised By : Mahesh Dadoda 02/14/2024

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

Internal Standards						
1) Fluorobenzene	6.106	96	42983	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	15835	1.004	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	13367	0.958	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	84703	6.026	ug/l	99
3) Chloromethane	1.518	50	105499	7.819	ug/l	99
4) Vinyl Chloride	1.599	62	118975	8.540	ug/l	100
5) Bromomethane	1.853	94	74335	8.836	ug/l	99
6) Chloroethane	1.927	64	86511	9.646	ug/l	97
7) Trichlorofluoromethane	2.132	101	192157	9.107	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	108799	10.312	ug/l	98
9) 1,1-Dichloroethene	2.573	96	102900	9.946	ug/l	98
10) Iodomethane	2.714	142	158734	9.542	ug/l	93
11) Allyl Chloride	2.914	41	174470	11.051	ug/l	94
12) Acrylonitrile	3.312	53	108900	49.874	ug/l	94
13) Acetone	2.634	43	92657	21.665	ug/l	94
14) Carbon Disulfide	2.785	76	308513	9.328	ug/l	100
15) Methylene Chloride	3.036	84	122986	9.258	ug/l	96
16) trans-1,2-Dichloroethene	3.341	96	112070	9.980	ug/l	93
17) 1,1-Dichloroethane	3.856	63	234346	10.387	ug/l	98
18) 2-Butanone	4.717	43	142773	33.298	ug/l	97
19) Cyclohexane	5.370	56	174991	9.871	ug/l	96
20) Methylcyclohexane	6.753	83	207932	10.133	ug/l	97
21) 2,2-Dichloropropane	4.653	77	198223	9.757	ug/l	96
22) cis-1,2-Dichloroethene	4.656	96	132508	10.718	ug/l	91
23) Diethyl Ether	2.370	59	77413	9.697	ug/l	98
24) tert-Butyl Alcohol	3.235	59	34787	60.060	ug/l #	1
25) Methyl tert-Butyl Ether	3.357	73	272305	10.336	ug/l	94
26) Bromochloromethane	4.965	128	41775	8.681	ug/l	87
27) Chloroform	5.078	83	233958	10.395	ug/l	96
28) 1,1,1-Trichloroethane	5.303	97	204914	10.053	ug/l	99
29) 1,1-Dichloropropene	5.515	75	172616	10.306	ug/l	97
30) Carbon Tetrachloride	5.512	117	181499	10.391	ug/l	100
31) Isopropyl Ether	3.991	45	373075	10.771	ug/l #	1
34) Propionitrile	4.791	54	86930	108.635	ug/l #	15
35) Benzene	5.762	78	495832	10.336	ug/l	99
36) 1,2-Dichloroethane	5.788	62	144506	10.303	ug/l	98
37) Trichloroethene	6.534	130	125487	10.159	ug/l	100
38) 1,2-Dichloropropane	6.785	63	130472	10.284	ug/l	99
39) Methacrylonitrile	4.971	41	38827	11.134	ug/l	93
40) Methyl acrylate	4.846	55	64194	11.052	ug/l #	93
41) Tetrahydrofuran	5.065	42	91450	52.632	ug/l	94
42) 1-Chlorobutane	5.444	56	233192	10.487	ug/l	97
43) Dibromomethane	6.914	93	63678	10.932	ug/l	97
44) Bromodichloromethane	7.100	83	171227	10.815	ug/l	97
45) 4-Methyl-2-Pentanone	7.795	43	333725	51.254	ug/l	98
46) t-1,4-Dichloro-2-butene	10.836	75	19068m	10.919	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.965	69	55460	10.386	ug/l	94
48) Ethyl methacrylate	8.331	69	115196	10.754	ug/l	98
49) Toluene	7.962	92	310201	10.695	ug/l	96
50) t-1,3-Dichloropropene	8.206	75	156417	10.864	ug/l	99
51) cis-1,3-Dichloropropene	7.602	75	192673	10.728	ug/l	95
52) 1,1,2-Trichloroethane	8.396	97	85956	10.722	ug/l	98
53) 1,3-Dichloropropane	8.569	76	151757	10.426	ug/l	99
54) 2-Hexanone	8.685	43	237476	37.667	ug/l	98
55) Dibromochloromethane	8.804	129	100528	10.496	ug/l	99
56) 1,2-Dibromoethane	8.920	107	81032	10.789	ug/l	99
58) Tetrachloroethene	8.547	164	111774	10.432	ug/l	96
59) Chlorobenzene	9.441	112	320582	10.051	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.528	131	116830	10.685	ug/l	98
61) Pentachloroethane	11.421	117	87699	10.879	ug/l	91
62) Hexachloroethane	12.470	117	100012	10.705	ug/l	96
63) Ethyl Benzene	9.566	91	615684	10.727	ug/l	99
64) m/p-Xylenes	9.688	106	458985	21.825	ug/l	97
65) o-Xylene	10.093	106	223448	10.696	ug/l	96
66) Styrene	10.110	104	364431	11.295	ug/l	96
67) Bromoform	10.286	173	53945	11.193	ug/l	100
69) Isopropylbenzene	10.479	105	598117	10.790	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.778	83	102407	10.608	ug/l	99
71) 1,2,3-Trichloropropane	10.817	75	79015m	9.262	ug/l	
72) Bromobenzene	10.778	156	127388	10.728	ug/l	98
73) n-propylbenzene	10.901	120	158784	10.981	ug/l	98
74) 2-Chlorotoluene	10.981	126	136398	10.798	ug/l	97
75) 1,3,5-Trimethylbenzene	11.084	105	513614	10.964	ug/l	100
76) 4-Chlorotoluene	11.093	126	135740	10.672	ug/l	91
77) tert-Butylbenzene	11.415	119	481951	10.676	ug/l	97
78) 1,2,4-Trimethylbenzene	11.463	105	505889	10.676	ug/l	99
79) sec-Butylbenzene	11.637	105	646181	10.839	ug/l	99
80) Nitrobenzene	13.206	77	3253	11.896	ug/l #	76
81) p-Isopropyltoluene	11.788	119	533377	10.882	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	250115	10.537	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	251740	10.705	ug/l	98
84) n-Butylbenzene	12.203	91	508205	10.865	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	228883	10.382	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.990	75	17101	10.609	ug/l	93
87) 1,2,4-Trichlorobenzene	13.836	180	148461	11.030	ug/l	98
88) Hexachlorobutadiene	14.016	225	83706	9.924	ug/l	99
89) Naphthalene	14.084	128	253947	10.775	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	125930	10.904	ug/l	98

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

