

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091123\
 Data File : VU055231.D
 Acq On : 11 Sep 2023 12:22
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 21 05:14:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 21 05:13:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	65869	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	27655	1.082	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	24118	0.968	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	145726	6.741	ug/l	98
3) Chloromethane	1.515	50	181375	8.007	ug/l	99
4) Vinyl Chloride	1.602	62	196581	8.305	ug/l	100
5) Bromomethane	1.853	94	151210	8.034	ug/l	99
6) Chloroethane	1.930	64	130340	8.689	ug/l	99
7) Trichlorofluoromethane	2.136	101	297006	9.026	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	149081	8.948	ug/l	99
9) 1,1-Dichloroethene	2.576	96	140592	9.233	ug/l	97
10) Iodomethane	2.718	142	196279	10.188	ug/l	95
11) Allyl Chloride	2.920	41	200020	10.565	ug/l	87
12) Acrylonitrile	3.309	53	149661	51.894	ug/l	94
13) Acetone	2.621	43	135013	26.652	ug/l	98
14) Carbon Disulfide	2.788	76	377819	7.660	ug/l	100
15) Methylene Chloride	3.039	84	173498	9.529	ug/l	97
16) trans-1,2-Dichloroethene	3.348	96	181232	10.021	ug/l	96
17) 1,1-Dichloroethane	3.865	63	349124	10.099	ug/l	100
18) 2-Butanone	4.698	43	197227	34.423	ug/l	97
19) Cyclohexane	5.386	56	234199	9.212	ug/l	85
20) Methylcyclohexane	6.762	83	309469	9.819	ug/l	95
21) 2,2-Dichloropropane	4.660	77	289803	10.420	ug/l	100
22) cis-1,2-Dichloroethene	4.663	96	216531	9.277	ug/l	100
23) Diethyl Ether	2.374	59	119417	9.621	ug/l	97
24) tert-Butyl Alcohol	3.348	59	11629	12.092	ug/l #	1
25) Methyl tert-Butyl Ether	3.357	73	398504	11.418	ug/l	98
26) Bromochloromethane	4.972	128	51445	6.092	ug/l	99
27) Chloroform	5.084	83	369464	10.090	ug/l	97
28) 1,1,1-Trichloroethane	5.312	97	316961	10.089	ug/l	99
29) 1,1-Dichloropropene	5.525	75	263574	10.126	ug/l	99
30) Carbon Tetrachloride	5.521	117	270687	9.919	ug/l	99
31) Isopropyl Ether	3.988	45	515382	11.393	ug/l #	1
33) Tert-Amyl methyl ether	5.769	73	13311	0.346	ug/l #	1
34) Propionitrile	4.769	54	119201	115.751	ug/l #	16
35) Benzene	5.772	78	792889	10.294	ug/l	100
36) 1,2-Dichloroethane	5.791	62	218967	10.158	ug/l	100
37) Trichloroethene	6.541	130	211726	9.384	ug/l	99
38) 1,2-Dichloropropane	6.788	63	206137	10.193	ug/l	100
39) Methacrylonitrile	4.972	41	45985	11.197	ug/l	96
40) Methyl acrylate	4.843	55	73585	11.120	ug/l #	94
41) Tetrahydrofuran	5.049	42	121411	52.961	ug/l	99
42) 1-Chlorobutane	5.454	56	358720	10.701	ug/l	98
43) Dibromomethane	6.917	93	102249	10.684	ug/l	98
44) Bromodichloromethane	7.103	83	269249	10.891	ug/l	100
45) 4-Methyl-2-Pentanone	7.788	43	479429	52.958	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) t-1,4-Dichloro-2-butene	10.820	75	159681	47.086	ug/l #	32
47) Methyl methacrylate	6.959	69	80660	11.056	ug/l	97
48) Ethyl methacrylate	8.332	69	165740	11.719	ug/l	96
49) Toluene	7.968	92	509231	10.938	ug/l	96
50) t-1,3-Dichloropropene	8.209	75	239794	11.580	ug/l	100
51) cis-1,3-Dichloropropene	7.605	75	293161	11.263	ug/l	99
52) 1,1,2-Trichloroethane	8.396	97	141445	10.480	ug/l	98
53) 1,3-Dichloropropane	8.573	76	246478	10.780	ug/l	99
54) 2-Hexanone	8.682	43	345237	39.636	ug/l	99
55) Dibromochloromethane	8.807	129	162691	10.746	ug/l	98
56) 1,2-Dibromoethane	8.920	107	132744	10.831	ug/l	98
58) Tetrachloroethene	8.550	164	249160	10.254	ug/l	96
59) Chlorobenzene	9.444	112	536259	10.269	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.531	131	190835	11.041	ug/l	97
61) Pentachloroethane	11.425	117	87141	10.788	ug/l	89
62) Hexachloroethane	12.473	117	152413	11.646	ug/l	95
63) Ethyl Benzene	9.569	91	998440	11.359	ug/l	98
64) m/p-Xylenes	9.692	106	795092	23.348	ug/l	97
65) o-Xylene	10.097	106	378970	11.479	ug/l	99
66) Styrene	10.113	104	622405	12.094	ug/l	99
67) Bromoform	10.290	173	88435	11.587	ug/l	99
69) Isopropylbenzene	10.483	105	1009752	11.698	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	146491	10.696	ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	159681	13.055	ug/l #	55
72) Bromobenzene	10.778	156	223988	11.270	ug/l	96
73) n-propylbenzene	10.904	120	278686	11.920	ug/l	94
74) 2-Chlorotoluene	10.984	126	241257	11.506	ug/l	99
75) 1,3,5-Trimethylbenzene	11.087	105	900918	12.159	ug/l	100
76) 4-Chlorotoluene	11.097	126	250672	11.665	ug/l	100
77) tert-Butylbenzene	11.418	119	782917	11.942	ug/l	96
78) 1,2,4-Trimethylbenzene	11.466	105	901823	12.030	ug/l	98
79) sec-Butylbenzene	11.640	105	1154487	12.115	ug/l	99
80) Nitrobenzene	13.212	77	4037	12.645	ug/l #	92
81) p-Isopropyltoluene	11.791	119	953023	12.417	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	479866	11.251	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	479545	11.490	ug/l	100
84) n-Butylbenzene	12.206	91	879988	12.675	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	435279	11.130	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.994	75	25190	11.214	ug/l	98
87) 1,2,4-Trichlorobenzene	13.839	180	286749	12.844	ug/l	99
88) Hexachlorobutadiene	14.019	225	164178	11.433	ug/l	99
89) Naphthalene	14.084	128	446387	14.098	ug/l	98
90) 1,2,3-Trichlorobenzene	14.328	180	245203	12.649	ug/l	99

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

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