

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101823\
 Data File : VU055798.D
 Acq On : 18 Oct 2023 13:34
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICSVU101823

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Semsettin Yesilyurt 10/24/2023

Quant Time: Oct 19 03:41:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 19 03:10:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	103295	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.637	95	42979	1.055	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	37232	0.986	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	234192	5.838	ug/l	100
3) Chloromethane	1.518	50	262450	7.655	ug/l	98
4) Vinyl Chloride	1.602	62	276144	7.860	ug/l	98
5) Bromomethane	1.856	94	149830	7.748	ug/l	99
6) Chloroethane	1.927	64	111666	6.562	ug/l	99
7) Trichlorofluoromethane	2.117	101	281539	6.076	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.563	101	252824	8.185	ug/l	95
9) 1,1-Dichloroethene	2.560	96	250577	8.698	ug/l	93
10) Iodomethane	2.708	142	353652	8.237	ug/l	99
11) Allyl Chloride	2.911	41	372671	9.951	ug/l	93
12) Acrylonitrile	3.319	53	272708	50.373	ug/l	100
13) Acetone	2.647	43	292142	25.295	ug/l	99
14) Carbon Disulfide	2.776	76	740470	7.873	ug/l	99
15) Methylene Chloride	3.033	84	302236	8.894	ug/l	93
16) trans-1,2-Dichloroethene	3.342	96	281341	9.214	ug/l	93
17) 1,1-Dichloroethane	3.859	63	531569	9.361	ug/l	99
18) 2-Butanone	4.718	43	515746m	41.447	ug/l	
19) Cyclohexane	5.377	56	437669m	9.035	ug/l	
20) Methylcyclohexane	6.756	83	489961	9.735	ug/l	97
21) 2,2-Dichloropropane	4.653	77	453820	9.490	ug/l	100
22) cis-1,2-Dichloroethene	4.657	96	322346	9.904	ug/l	100
23) Diethyl Ether	2.367	59	143453	8.329	ug/l	94
24) tert-Butyl Alcohol	3.342	59	89426m	50.623	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	626772	10.109	ug/l	96
26) Bromochloromethane	4.965	128	122755	8.899	ug/l	95
27) Chloroform	5.081	83	544052	9.336	ug/l	98
28) 1,1,1-Trichloroethane	5.309	97	475795	9.110	ug/l	97
29) 1,1-Dichloropropene	5.518	75	397317	9.604	ug/l	99
30) Carbon Tetrachloride	5.515	117	411352	9.022	ug/l	100
31) Isopropyl Ether	3.988	45	805830	10.563	ug/l #	1
34) Propionitrile	4.795	54	185132	94.044	ug/l #	8
35) Benzene	5.766	78	1194529	9.532	ug/l	99
36) 1,2-Dichloroethane	5.788	62	315475	9.270	ug/l	99
37) Trichloroethene	6.538	130	297897	9.137	ug/l	99
38) 1,2-Dichloropropane	6.785	63	310965	9.502	ug/l	100
39) Methacrylonitrile	4.978	41	71854	9.789	ug/l #	90
40) Methyl acrylate	4.846	55	148235	9.559	ug/l #	94
41) Tetrahydrofuran	5.059	42	202581	48.704	ug/l	98
42) 1-Chlorobutane	5.451	56	545065	9.883	ug/l	99
43) Dibromomethane	6.917	93	155757	10.014	ug/l	99
44) Bromodichloromethane	7.103	83	407838	9.922	ug/l	98
45) 4-Methyl-2-Pentanone	7.820	43	783954	48.736	ug/l	97
46) t-1,4-Dichloro-2-butene	10.830	75	125397m	19.596	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.962	69	136275	10.621	ug/l	92
48) Ethyl methacrylate	8.338	69	278665	9.388	ug/l	95
49) Toluene	7.965	92	770713	10.392	ug/l	95
50) t-1,3-Dichloropropene	8.210	75	389709	10.714	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	466392	10.477	ug/l	95
52) 1,1,2-Trichloroethane	8.399	97	219888	9.898	ug/l	99
53) 1,3-Dichloropropane	8.576	76	378181	9.960	ug/l	99
54) 2-Hexanone	8.708	43	583606	32.385	ug/l	96
55) Dibromochloromethane	8.811	129	262092	9.774	ug/l	99
56) 1,2-Dibromoethane	8.923	107	207556	10.225	ug/l	98
58) Tetrachloroethene	8.550	164	293322	8.652	ug/l	95
59) Chlorobenzene	9.447	112	810376	9.893	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.534	131	294159	10.076	ug/l	98
61) Pentachloroethane	11.428	117	216719	10.969	ug/l	91
62) Hexachloroethane	12.476	117	228848	9.369	ug/l	99
63) Ethyl Benzene	9.570	91	1522134	10.950	ug/l	99
64) m/p-Xylenes	9.692	106	1175044	21.990	ug/l	98
65) o-Xylene	10.100	106	561421	10.707	ug/l	96
66) Styrene	10.116	104	931308	11.358	ug/l	97
67) Bromoform	10.296	173	147276	10.226	ug/l	98
69) Isopropylbenzene	10.483	105	1503971	11.142	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.788	83	251443	9.679	ug/l	97
71) 1,2,3-Trichloropropane	10.827	75	188867m	8.771	ug/l	
72) Bromobenzene	10.785	156	331236	10.284	ug/l	100
73) n-propylbenzene	10.907	120	394540	9.219	ug/l	98
74) 2-Chlorotoluene	10.988	126	347940	10.753	ug/l	96
75) 1,3,5-Trimethylbenzene	11.087	105	1309245	9.431	ug/l	98
76) 4-Chlorotoluene	11.100	126	345715	10.484	ug/l	90
77) tert-Butylbenzene	11.422	119	1182120	9.251	ug/l	99
78) 1,2,4-Trimethylbenzene	11.467	105	1261243	9.060	ug/l	99
79) sec-Butylbenzene	11.643	105	1523186	9.075	ug/l	99
80) Nitrobenzene	13.216	77	8479m	11.862	ug/l	
81) p-Isopropyltoluene	11.791	119	1219275	8.912	ug/l	99
82) 1,3-Dichlorobenzene	11.746	146	655482	9.970	ug/l	98
83) 1,4-Dichlorobenzene	11.836	146	641917	10.089	ug/l	97
84) n-Butylbenzene	12.206	91	989566	8.520	ug/l	98
85) 1,2-Dichlorobenzene	12.213	146	582031	9.687	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	38407	10.356	ug/l	99
87) 1,2,4-Trichlorobenzene	13.840	180	357978	8.994	ug/l	99
88) Hexachlorobutadiene	14.020	225	223861	9.874	ug/l	99
89) Naphthalene	14.084	128	558485	9.003	ug/l	99
90) 1,2,3-Trichlorobenzene	14.328	180	311651	9.035	ug/l	99

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

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