

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060524\
 Data File : VU059152.D
 Acq On : 05 Jun 2024 15:13
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU060524

Quant Time: Jun 06 03:41:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jun 06 03:28:28 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/10/2024
 Supervised By :Semsettin Yesilyurt 06/10/2024

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

Internal Standards						
1) Fluorobenzene	6.110	96	45722	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	16921	1.088	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	16437	1.009	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	87580	6.114	ug/l	99
3) Chloromethane	1.515	50	133820	7.761	ug/l	98
4) Vinyl Chloride	1.599	62	142484	8.176	ug/l	98
5) Bromomethane	1.853	94	88811	8.387	ug/l	96
6) Chloroethane	1.930	64	94865	8.462	ug/l	100
7) Trichlorofluoromethane	2.133	101	173816	8.039	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	110194	9.913	ug/l	98
9) 1,1-Dichloroethene	2.573	96	106142	9.638	ug/l	99
10) Iodomethane	2.715	142	147056	10.643	ug/l	98
11) Allyl Chloride	2.917	41	159583	10.722	ug/l	96
12) Acrylonitrile	3.313	53	125934	50.615	ug/l	96
13) Acetone	2.634	43	121646	32.129	ug/l	98
14) Carbon Disulfide	2.789	76	316100	9.006	ug/l	99
15) Methylene Chloride	3.036	84	139907	9.267	ug/l	99
16) trans-1,2-Dichloroethene	3.348	96	115472	9.610	ug/l	98
17) 1,1-Dichloroethane	3.859	63	239223	9.507	ug/l	99
18) 2-Butanone	4.705	43	158750	37.801	ug/l	100
19) Cyclohexane	5.383	56	186337m	10.232	ug/l	
20) Methylcyclohexane	6.759	83	194905	10.650	ug/l	99
21) 2,2-Dichloropropane	4.657	77	185041	9.942	ug/l	100
22) cis-1,2-Dichloroethene	4.660	96	141508	10.836	ug/l	97
23) Diethyl Ether	2.371	59	89690	8.685	ug/l	99
24) tert-Butyl Alcohol	3.206	59	36288m	51.345	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	276451	10.470	ug/l	100
26) Bromochloromethane	4.965	128	59381	10.767	ug/l	97
27) Chloroform	5.081	83	236970	9.368	ug/l	100
28) 1,1,1-Trichloroethane	5.309	97	189445	9.498	ug/l	99
29) 1,1-Dichloropropene	5.522	75	161922	9.689	ug/l	99
30) Carbon Tetrachloride	5.518	117	158169	9.670	ug/l	97
31) Isopropyl Ether	3.981	45	379321	11.494	ug/l	# 1
34) Propionitrile	4.779	54	95586	99.356	ug/l	97
35) Benzene	5.769	78	525110	9.990	ug/l	99
36) 1,2-Dichloroethane	5.788	62	142077	9.114	ug/l	100
37) Trichloroethene	6.538	130	113941	9.077	ug/l	96
38) 1,2-Dichloropropane	6.785	63	135619	9.086	ug/l	100
39) Methacrylonitrile	4.965	41	37323	10.403	ug/l	98
40) Methyl acrylate	4.843	55	66319	10.554	ug/l	# 94
41) Tetrahydrofuran	5.052	42	95352	49.691	ug/l	99
42) 1-Chlorobutane	5.451	56	242900	10.516	ug/l	99
43) Dibromomethane	6.914	93	68314	10.108	ug/l	100
44) Bromodichloromethane	7.100	83	175988	10.050	ug/l	100
45) 4-Methyl-2-Pentanone	7.785	43	383707	52.961	ug/l	99
46) t-1,4-Dichloro-2-butene	10.830	75	32477m	10.563	ug/l	

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47) Methyl methacrylate	6.956	69	58273	10.041	ug/l	99
48) Ethyl methacrylate	8.328	69	119179	11.624	ug/l	98
49) Toluene	7.965	92	310748	10.735	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	154810	10.332	ug/l	98
51) cis-1,3-Dichloropropene	7.602	75	184513	10.053	ug/l	98
52) 1,1,2-Trichloroethane	8.393	97	93958	9.409	ug/l	96
53) 1,3-Dichloropropane	8.570	76	163224	9.487	ug/l	99
54) 2-Hexanone	8.679	43	288392	43.026	ug/l	99
55) Dibromochloromethane	8.804	129	107736	9.968	ug/l	100
56) 1,2-Dibromoethane	8.917	107	83443	9.527	ug/l	100
58) Tetrachloroethene	8.547	164	113651	9.821	ug/l	98
59) Chlorobenzene	9.441	112	327373	10.336	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.528	131	106824	9.417	ug/l	99
61) Pentachloroethane	11.422	117	88518	10.059	ug/l	98
62) Hexachloroethane	12.470	117	91403	10.217	ug/l	99
63) Ethyl Benzene	9.566	91	603032	11.279	ug/l	100
64) m/p-Xylenes	9.689	106	460834	22.850	ug/l	99
65) o-Xylene	10.097	106	217280	10.925	ug/l	99
66) Styrene	10.110	104	381169	9.952	ug/l	99
67) Bromoform	10.287	173	58436	9.986	ug/l	98
69) Isopropylbenzene	10.480	105	583243	11.446	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	117798	9.383	ug/l	99
71) 1,2,3-Trichloropropane	10.817	75	88694m	9.256	ug/l	
72) Bromobenzene	10.779	156	128966	10.558	ug/l	100
73) n-propylbenzene	10.901	120	156817	9.606	ug/l	100
74) 2-Chlorotoluene	10.981	126	135714	10.899	ug/l	98
75) 1,3,5-Trimethylbenzene	11.084	105	499078	9.565	ug/l	100
76) 4-Chlorotoluene	11.094	126	142182	10.923	ug/l	98
77) tert-Butylbenzene	11.415	119	463624	11.335	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	513388	9.590	ug/l	99
79) sec-Butylbenzene	11.637	105	660096	9.732	ug/l	100
80) Nitrobenzene	13.216	77	3456	12.207	ug/l #	84
81) p-Isopropyltoluene	11.788	119	531594	9.764	ug/l	100
82) 1,3-Dichlorobenzene	11.740	146	270566	10.453	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	268466	10.371	ug/l	99
84) n-Butylbenzene	12.203	91	526130	10.058	ug/l	100
85) 1,2-Dichlorobenzene	12.209	146	251222	10.283	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.991	75	16969	9.932	ug/l	100
87) 1,2,4-Trichlorobenzene	13.836	180	160233	12.252	ug/l	100
88) Hexachlorobutadiene	14.016	225	83984	10.288	ug/l	99
89) Naphthalene	14.081	128	240899	11.605	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	141453	11.896	ug/l	99

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

