

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070722\
 Data File : VU049645.D
 Acq On : 07 Jul 2022 10:27
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022
 Supervised By :Semsettin Yesilyurt 07/08/2022

Quant Time: Jul 08 09:10:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070622DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 07 07:00:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	47669	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	17369	0.995	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	16696	1.039	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	194532	10.656	ug/l	100
3) Chloromethane	1.533	50	190616	10.208	ug/l	99
4) Vinyl Chloride	1.604	62	174653	10.259	ug/l	99
5) Bromomethane	1.858	94	81582	9.188	ug/l	100
6) Chloroethane	1.932	64	89430	9.380	ug/l	99
7) Trichlorofluoromethane	2.138	101	217537	10.662	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	111340	10.385	ug/l	100
9) 1,1-Dichloroethene	2.581	96	108657	10.053	ug/l	96
10) Iodomethane	2.723	142	142587	10.400	ug/l	99
11) Allyl Chloride	2.922	41	188949	10.252	ug/l	98
12) Acrylonitrile	3.321	53	62702	21.698	ug/l	98
13) Acetone	2.639	43	120411	60.262	ug/l	99
14) Carbon Disulfide	2.793	76	358630	10.078	ug/l	99
15) Methylene Chloride	3.044	84	126122	9.318	ug/l	99
16) trans-1,2-Dichloroethene	3.350	96	114718	10.107	ug/l	99
17) 1,1-Dichloroethane	3.867	63	238703	10.170	ug/l	100
18) 2-Butanone	4.719	43	209589	56.335	ug/l	99
19) Cyclohexane	5.385	56	225596m	10.057	ug/l	
20) Methylcyclohexane	6.761	83	222897	10.080	ug/l	99
21) 2,2-Dichloropropane	4.665	77	200560	10.442	ug/l	97
22) cis-1,2-Dichloroethene	4.668	96	141277	10.093	ug/l	97
23) Diethyl Ether	2.379	59	95181	10.337	ug/l	96
24) tert-Butyl Alcohol	3.231	59	121272	115.443	ug/l	98
25) Methyl tert-Butyl Ether	3.369	73	316068	10.458	ug/l	98
26) Bromochloromethane	4.973	128	61831	10.492	ug/l	99
27) Chloroform	5.089	83	237982	10.304	ug/l	98
28) 1,1,1-Trichloroethane	5.317	97	210559	10.337	ug/l	99
29) 1,1-Dichloropropene	5.526	75	186684	10.263	ug/l	98
30) Carbon Tetrachloride	5.523	117	183083	10.675	ug/l	98
31) Isopropyl Ether	3.999	45	410746	10.204	ug/l	98
32) Ethyl-t-butyl ether	4.510	59	387573	10.173	ug/l	99
33) Tert-Amyl methyl ether	5.944	73	337503	10.189	ug/l	100
34) Propionitrile	4.793	54	63342	56.838	ug/l	98
35) Benzene	5.774	78	532644	10.276	ug/l	99
36) 1,2-Dichloroethane	5.797	62	157548	10.690	ug/l	99
37) Trichloroethene	6.543	130	131843	10.064	ug/l	99
38) 1,2-Dichloropropane	6.793	63	141937	10.343	ug/l	97
39) Methacrylonitrile	4.980	41	51484	10.783	ug/l	98
40) Methyl acrylate	4.854	55	84785	11.338	ug/l	98
41) Tetrahydrofuran	5.067	42	55371	22.154	ug/l	97
42) 1-Chlorobutane	5.459	56	266514	10.448	ug/l	100
43) Dibromomethane	6.919	93	72462	10.598	ug/l	98
44) Bromodichloromethane	7.108	83	174515	10.649	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	499472	53.823	ug/l	100
46) t-1,4-Dichloro-2-butene	10.832	75	83497m	27.649	ug/l	
47) Methyl methacrylate	6.964	69	148547	21.546	ug/l	97
48) Ethyl methacrylate	8.337	69	150169	10.857	ug/l	99
49) Toluene	7.970	92	329351	10.405	ug/l	98
50) t-1,3-Dichloropropene	8.211	75	173284	10.947	ug/l	97
51) cis-1,3-Dichloropropene	7.607	75	199058	10.611	ug/l	100
52) 1,1,2-Trichloroethane	8.401	97	99853	10.582	ug/l	98
53) 1,3-Dichloropropane	8.578	76	176428	10.417	ug/l	100
54) 2-Hexanone	8.687	43	356788	55.359	ug/l	100
55) Dibromochloromethane	8.813	129	116929	10.848	ug/l	98
56) 1,2-Dibromoethane	8.925	107	97960	10.720	ug/l	100
58) Tetrachloroethene	8.555	164	111423	10.229	ug/l	99
59) Chlorobenzene	9.446	112	339230	10.244	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	124076	10.534	ug/l	98
61) Pentachloroethane	11.430	117	97305	10.760	ug/l	100
62) Hexachloroethane	12.475	117	99305	10.963	ug/l	99
63) Ethyl Benzene	9.571	91	628998	10.554	ug/l	100
64) m/p-Xylenes	9.694	106	462298	20.969	ug/l	99
65) o-Xylene	10.099	106	224006	10.338	ug/l	99
66) Styrene	10.115	104	376937	10.827	ug/l	99
67) Bromoform	10.292	173	69089	11.233	ug/l	98
69) Isopropylbenzene	10.484	105	608376	10.512	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.784	83	133501	10.890	ug/l	99
71) 1,2,3-Trichloropropane	10.825	75	117559m	11.583	ug/l	
72) Bromobenzene	10.784	156	139734	10.714	ug/l	99
73) n-propylbenzene	10.906	120	157560	10.788	ug/l	98
74) 2-Chlorotoluene	10.986	126	138289	10.619	ug/l	99
75) 1,3,5-Trimethylbenzene	11.089	105	507699	10.493	ug/l	100
76) 4-Chlorotoluene	11.099	126	143946	11.022	ug/l	92
77) tert-Butylbenzene	11.420	119	500707	10.510	ug/l	100
78) 1,2,4-Trimethylbenzene	11.468	105	519436	10.694	ug/l	99
79) sec-Butylbenzene	11.642	105	663840	10.624	ug/l	100
80) Nitrobenzene	13.208	77	29814	59.448	ug/l	99
81) p-Isopropyltoluene	11.793	119	549815	10.847	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	267474	10.602	ug/l	100
83) 1,4-Dichlorobenzene	11.835	146	266243	10.458	ug/l	99
84) n-Butylbenzene	12.208	91	538134	11.399	ug/l	99
85) 1,2-Dichlorobenzene	12.211	146	255423	10.450	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.996	75	25237	11.804	ug/l	95
87) 1,2,4-Trichlorobenzene	13.841	180	187033	11.343	ug/l	100
88) Hexachlorobutadiene	14.021	225	95543	11.370	ug/l	99
89) Naphthalene	14.086	128	396258	11.462	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	176156	11.188	ug/l	99

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

