

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101822\
 Data File : VU051437.D
 Acq On : 18 Oct 2022 12:21
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/25/2022
 Supervised By :Mahesh Dadoda 10/25/2022

Quant Time: Oct 19 02:23:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 18 04:53:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	57355	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	20930	1.040	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	20295	0.903	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	212831	10.627	ug/l	100
3) Chloromethane	1.530	50	259194	8.212	ug/l	99
4) Vinyl Chloride	1.604	62	255605	9.355	ug/l	99
5) Bromomethane	1.854	94	145211	9.533	ug/l	97
6) Chloroethane	1.932	64	149906	9.626	ug/l	97
7) Trichlorofluoromethane	2.141	101	303922	9.957	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	172754	10.258	ug/l	100
9) 1,1-Dichloroethene	2.581	96	167073	9.492	ug/l	97
10) Iodomethane	2.723	142	220626	9.672	ug/l	100
11) Allyl Chloride	2.922	41	253714	9.452	ug/l	100
12) Acrylonitrile	3.314	53	103784	20.038	ug/l	98
13) Acetone	2.623	43	168677	45.226	ug/l	98
14) Carbon Disulfide	2.790	76	596719	9.514	ug/l	100
15) Methylene Chloride	3.044	84	210295	9.845	ug/l	98
16) trans-1,2-Dichloroethene	3.350	96	187751	9.302	ug/l	99
17) 1,1-Dichloroethane	3.867	63	337765	9.308	ug/l	98
18) 2-Butanone	4.710	43	246597	54.488	ug/l	98
19) Cyclohexane	5.385	56	265865m	11.822	ug/l	
20) Methylcyclohexane	6.761	83	286084	10.261	ug/l	99
21) 2,2-Dichloropropane	4.665	77	249517	9.848	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	199311	10.437	ug/l	98
23) Diethyl Ether	2.379	59	148130	9.638	ug/l	99
24) tert-Butyl Alcohol	3.186	59	128822	79.925	ug/l	98
25) Methyl tert-Butyl Ether	3.366	73	455619	9.952	ug/l	99
26) Bromochloromethane	4.973	128	90135	9.683	ug/l	99
27) Chloroform	5.086	83	345722	9.407	ug/l	99
28) 1,1,1-Trichloroethane	5.314	97	284260	9.690	ug/l	99
29) 1,1-Dichloropropene	5.523	75	244824	10.897	ug/l	99
30) Carbon Tetrachloride	5.523	117	239174	9.663	ug/l	96
31) Isopropyl Ether	3.999	45	444955	10.367	ug/l	100
32) Ethyl-t-butyl ether	4.507	59	421822	10.762	ug/l	100
33) Tert-Amyl methyl ether	5.944	73	392358	11.393	ug/l	99
34) Propionitrile	4.777	54	81661	53.671	ug/l	99
35) Benzene	5.771	78	753198	9.990	ug/l	100
36) 1,2-Dichloroethane	5.793	62	227460	9.779	ug/l	99
37) Trichloroethene	6.539	130	179415	10.138	ug/l	93
38) 1,2-Dichloropropane	6.790	63	206180	9.968	ug/l	99
39) Methacrylonitrile	4.976	41	59008	11.347	ug/l	98
40) Methyl acrylate	4.848	55	97843	11.799	ug/l	98
41) Tetrahydrofuran	5.060	42	60262	22.069	ug/l	98
42) 1-Chlorobutane	5.456	56	332860	10.855	ug/l	98
43) Dibromomethane	6.915	93	106393	9.912	ug/l	98
44) Bromodichloromethane	7.105	83	255131	9.821	ug/l	98

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45) 4-Methyl-2-Pentanone	7.793	43	596560	58.380	ug/l	100
46) t-1,4-Dichloro-2-butene	10.832	75	114095m	20.006	ug/l	
47) Methyl methacrylate	6.964	69	199349	19.700	ug/l	98
48) Ethyl methacrylate	8.333	69	167450	9.600	ug/l	98
49) Toluene	7.967	92	457612	11.068	ug/l	99
50) t-1,3-Dichloropropene	8.208	75	226856	10.858	ug/l	98
51) cis-1,3-Dichloropropene	7.607	75	260374	10.571	ug/l	98
52) 1,1,2-Trichloroethane	8.401	97	157069	10.247	ug/l	97
53) 1,3-Dichloropropane	8.574	76	264410	10.704	ug/l	98
54) 2-Hexanone	8.684	43	416907	47.801	ug/l	99
55) Dibromochloromethane	8.809	129	171344	10.280	ug/l	100
56) 1,2-Dibromoethane	8.922	107	143572	10.653	ug/l	99
58) Tetrachloroethene	8.552	164	156432	10.145	ug/l	99
59) Chlorobenzene	9.446	112	480069	10.577	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.533	131	169278	9.733	ug/l	99
61) Pentachloroethane	11.426	117	155255	10.018	ug/l	100
62) Hexachloroethane	12.475	117	146451	9.951	ug/l	99
63) Ethyl Benzene	9.571	91	801498	9.450	ug/l	100
64) m/p-Xylenes	9.693	106	681813	19.716	ug/l	99
65) o-Xylene	10.098	106	314808	9.714	ug/l	99
66) Styrene	10.111	104	539295	9.635	ug/l	99
67) Bromoform	10.291	173	101064	10.803	ug/l	98
69) Isopropylbenzene	10.484	105	794729	9.684	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.780	83	211522	10.204	ug/l	99
71) 1,2,3-Trichloropropane	10.825	75	166921m	10.838	ug/l	
72) Bromobenzene	10.780	156	193372	10.713	ug/l	100
73) n-propylbenzene	10.906	120	230225	9.708	ug/l	100
74) 2-Chlorotoluene	10.986	126	200705	11.421	ug/l	98
75) 1,3,5-Trimethylbenzene	11.086	105	734853	9.660	ug/l	100
76) 4-Chlorotoluene	11.095	126	214484	9.975	ug/l	90
77) tert-Butylbenzene	11.420	119	673814	11.581	ug/l	100
78) 1,2,4-Trimethylbenzene	11.465	105	775580	9.717	ug/l	100
79) sec-Butylbenzene	11.642	105	929688	9.755	ug/l	100
80) Nitrobenzene	13.204	77	44779	43.627	ug/l	98
81) p-Isopropyltoluene	11.793	119	768141	9.642	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	403209	10.399	ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	408955	10.775	ug/l	99
84) n-Butylbenzene	12.208	91	701304	9.243	ug/l	98
85) 1,2-Dichlorobenzene	12.211	146	397623	10.407	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.995	75	32066	9.892	ug/l	94
87) 1,2,4-Trichlorobenzene	13.841	180	209362	10.116	ug/l	99
88) Hexachlorobutadiene	14.021	225	137000	10.153	ug/l	100
89) Naphthalene	14.085	128	451443	10.425	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	228046	10.073	ug/l	100

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

