

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101922\
 Data File : VU051460.D
 Acq On : 19 Oct 2022 16:25
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/20/2022
 Supervised By :Mahesh Dadoda 10/25/2022

Quant Time: Oct 20 07:14:38 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	6.112	96	57152	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	20472	1.021	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	22500	1.005	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	188649	9.453	ug/l	97
3) Chloromethane	1.533	50	253826	8.070	ug/l	99
4) Vinyl Chloride	1.604	62	242274	8.898	ug/l	98
5) Bromomethane	1.848	94	153755	10.130	ug/l	100
6) Chloroethane	1.929	64	154514	9.957	ug/l	98
7) Trichlorofluoromethane	2.138	101	291692	9.590	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	164200	9.785	ug/l	98
9) 1,1-Dichloroethene	2.578	96	165888	9.458	ug/l	97
10) Iodomethane	2.720	142	233608	10.278	ug/l	99
11) Allyl Chloride	2.919	41	250385	9.361	ug/l	100
12) Acrylonitrile	3.311	53	99997m	19.375	ug/l	
13) Acetone	2.623	43	164654	44.305	ug/l	99
14) Carbon Disulfide	2.790	76	581640	9.306	ug/l	100
15) Methylene Chloride	3.041	84	231277	10.908	ug/l	96
16) trans-1,2-Dichloroethene	3.347	96	187808	9.338	ug/l	99
17) 1,1-Dichloroethane	3.864	63	335858	9.289	ug/l	98
18) 2-Butanone	4.710	43	230747	51.167	ug/l	99
19) Cyclohexane	5.385	56	239449m	10.685	ug/l	
20) Methylcyclohexane	6.761	83	244863	8.901	ug/l	98
21) 2,2-Dichloropropane	4.662	77	237861	9.421	ug/l	100
22) cis-1,2-Dichloroethene	4.665	96	192943	10.140	ug/l	100
23) Diethyl Ether	2.376	59	144040	9.405	ug/l	99
24) tert-Butyl Alcohol	3.186	59	136133	84.761	ug/l	100
25) Methyl tert-Butyl Ether	3.366	73	439365	9.631	ug/l	99
26) Bromochloromethane	4.973	128	89547	9.654	ug/l	99
27) Chloroform	5.086	83	350970	9.584	ug/l	100
28) 1,1,1-Trichloroethane	5.311	97	274795	9.401	ug/l	99
29) 1,1-Dichloropropene	5.523	75	230541	10.298	ug/l	99
30) Carbon Tetrachloride	5.520	117	229369	9.300	ug/l	98
31) Isopropyl Ether	3.999	45	422801	9.885	ug/l	99
32) Ethyl-t-butyl ether	4.507	59	389350	9.969	ug/l	99
33) Tert-Amyl methyl ether	5.941	73	366946	10.693	ug/l	100
34) Propionitrile	4.777	54	78399	51.710	ug/l	# 97
35) Benzene	5.771	78	744107	9.905	ug/l	99
36) 1,2-Dichloroethane	5.793	62	226200	9.759	ug/l	99
37) Trichloroethene	6.539	130	169543	9.615	ug/l	94
38) 1,2-Dichloropropane	6.790	63	204612	9.927	ug/l	99
39) Methacrylonitrile	4.977	41	54324	10.484	ug/l	98
40) Methyl acrylate	4.845	55	87563	10.597	ug/l	98
41) Tetrahydrofuran	5.060	42	53619	19.706	ug/l	100
42) 1-Chlorobutane	5.456	56	314891	10.305	ug/l	99
43) Dibromomethane	6.916	93	104523	9.772	ug/l	98
44) Bromodichloromethane	7.105	83	251318	9.709	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	541001	53.131	ug/l	100
46) t-1,4-Dichloro-2-butene	10.832	75	101439m	17.850	ug/l	
47) Methyl methacrylate	6.961	69	185722	18.484	ug/l	99
48) Ethyl methacrylate	8.333	69	152419	8.820	ug/l	100
49) Toluene	7.967	92	448024	10.875	ug/l	99
50) t-1,3-Dichloropropene	8.208	75	214141	10.286	ug/l	98
51) cis-1,3-Dichloropropene	7.607	75	242985	9.900	ug/l	99
52) 1,1,2-Trichloroethane	8.398	97	149257	9.772	ug/l	97
53) 1,3-Dichloropropane	8.575	76	249371	10.131	ug/l	100
54) 2-Hexanone	8.684	43	383678	44.344	ug/l	100
55) Dibromochloromethane	8.809	129	167235	10.069	ug/l	100
56) 1,2-Dibromoethane	8.922	107	137213	10.217	ug/l	98
58) Tetrachloroethene	8.552	164	149958	9.759	ug/l	98
59) Chlorobenzene	9.446	112	464645	10.273	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.533	131	171130	9.874	ug/l	98
61) Pentachloroethane	11.423	117	152080	9.848	ug/l	100
62) Hexachloroethane	12.475	117	142841	9.740	ug/l	96
63) Ethyl Benzene	9.568	91	781242	9.256	ug/l	98
64) m/p-Xylenes	9.694	106	670247	19.465	ug/l	100
65) o-Xylene	10.099	106	306326	9.497	ug/l	98
66) Styrene	10.112	104	536035	9.612	ug/l	100
67) Bromoform	10.288	173	94300	10.115	ug/l	99
69) Isopropylbenzene	10.485	105	757716	9.290	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.780	83	198754	9.622	ug/l	99
71) 1,2,3-Trichloropropane	10.822	75	159446m	10.389	ug/l	
72) Bromobenzene	10.780	156	190749	10.605	ug/l	98
73) n-propylbenzene	10.906	120	221799	9.405	ug/l	98
74) 2-Chlorotoluene	10.983	126	199182	11.375	ug/l	100
75) 1,3,5-Trimethylbenzene	11.086	105	736381	9.711	ug/l	99
76) 4-Chlorotoluene	11.095	126	214428	10.007	ug/l	90
77) tert-Butylbenzene	11.420	119	647284	11.165	ug/l	99
78) 1,2,4-Trimethylbenzene	11.465	105	765931	9.635	ug/l	99
79) sec-Butylbenzene	11.642	105	898947	9.481	ug/l	100
80) Nitrobenzene	13.205	77	42698	41.747	ug/l #	96
81) p-Isopropyltoluene	11.793	119	760060	9.578	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	404410	10.467	ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	409439	10.826	ug/l	98
84) n-Butylbenzene	12.208	91	683616	9.054	ug/l	99
85) 1,2-Dichlorobenzene	12.211	146	396718	10.420	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.996	75	30983	9.592	ug/l	99
87) 1,2,4-Trichlorobenzene	13.838	180	193552	9.385	ug/l	99
88) Hexachlorobutadiene	14.018	225	134191	9.981	ug/l	99
89) Naphthalene	14.086	128	366496	8.493	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	215431	9.549	ug/l	100

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

