

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091622\
 Data File : VU050727.D
 Acq On : 16 Sep 2022 16:50
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/19/2022
 Supervised By :Mahesh Dadoda 09/21/2022

Quant Time: Sep 17 01:08:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Aug 25 14:01:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	35207	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	22350	1.864	ug/l	0.00
Spiked Amount 1.000			Recovery	=	186.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	13624	0.961	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	149011	10.219	ug/l	100
3) Chloromethane	1.520	50	139488	7.865	ug/l	98
4) Vinyl Chloride	1.604	62	136506	9.006	ug/l	100
5) Bromomethane	1.851	94	68002	10.965	ug/l	96
6) Chloroethane	1.932	64	77649	8.471	ug/l	99
7) Trichlorofluoromethane	2.137	101	165354	8.743	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	95186	8.999	ug/l	94
9) 1,1-Dichloroethene	2.581	96	85353	8.232	ug/l	95
10) Iodomethane	2.719	142	94803	11.088	ug/l	99
11) Allyl Chloride	2.922	41	142945	8.944	ug/l	93
12) Acrylonitrile	3.314	53	74500	23.956	ug/l	97
13) Acetone	2.623	43	130452	59.977	ug/l	95
14) Carbon Disulfide	2.790	76	236731	7.370	ug/l	99
15) Methylene Chloride	3.044	84	129506	9.231	ug/l	95
16) trans-1,2-Dichloroethene	3.349	96	90985	8.491	ug/l	98
17) 1,1-Dichloroethane	3.867	63	207726	9.307	ug/l	100
18) 2-Butanone	4.710	43	230116	67.267	ug/l	99
19) Cyclohexane	5.388	56	150928m	9.318	ug/l	
20) Methylcyclohexane	6.761	83	145493	11.395	ug/l	96
21) 2,2-Dichloropropane	4.665	77	151108	8.907	ug/l	97
22) cis-1,2-Dichloroethene	4.668	96	114725	9.463	ug/l	99
23) Diethyl Ether	2.378	59	87065	9.775	ug/l	99
24) tert-Butyl Alcohol	3.186	59	134226	119.066	ug/l	98
25) Methyl tert-Butyl Ether	3.369	73	281428	10.217	ug/l	97
26) Bromochloromethane	4.973	128	57078	11.733	ug/l	98
27) Chloroform	5.089	83	209537	9.687	ug/l	95
28) 1,1,1-Trichloroethane	5.314	97	171042	9.267	ug/l	98
29) 1,1-Dichloropropene	5.523	75	142249	9.621	ug/l	100
30) Carbon Tetrachloride	5.523	117	142049	9.614	ug/l	95
31) Isopropyl Ether	3.999	45	279514	8.071	ug/l	88
32) Ethyl-t-butyl ether	4.510	59	258146	9.488	ug/l	100
33) Tert-Amyl methyl ether	5.944	73	250114	14.102	ug/l	98
34) Propionitrile	4.777	54	74366	73.595	ug/l	97
35) Benzene	5.774	78	452286	10.407	ug/l	98
36) 1,2-Dichloroethane	5.796	62	145975	11.001	ug/l	99
37) Trichloroethene	6.542	130	99185	9.520	ug/l	95
38) 1,2-Dichloropropane	6.793	63	129972	11.141	ug/l	100
39) Methacrylonitrile	4.976	41	46862	11.302	ug/l	91
40) Methyl acrylate	4.848	55	77354	12.248	ug/l	99
41) Tetrahydrofuran	5.060	42	54391	26.199	ug/l	99
42) 1-Chlorobutane	5.459	56	205435	9.758	ug/l	96
43) Dibromomethane	6.918	93	71573	11.382	ug/l	96
44) Bromodichloromethane	7.105	83	158267	10.666	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	498956	79.046	ug/l	98
46) t-1,4-Dichloro-2-butene	10.832	75	71124m	18.897	ug/l	
47) Methyl methacrylate	6.963	69	146774	24.651	ug/l	93
48) Ethyl methacrylate	8.336	69	119877	11.173	ug/l	93
49) Toluene	7.970	92	261796	11.212	ug/l	95
50) t-1,3-Dichloropropene	8.211	75	142216	12.308	ug/l	100
51) cis-1,3-Dichloropropene	7.610	75	150858	11.405	ug/l	96
52) 1,1,2-Trichloroethane	8.401	97	106165	11.487	ug/l	98
53) 1,3-Dichloropropane	8.578	76	174459	11.986	ug/l	99
54) 2-Hexanone	8.687	43	349747	79.562	ug/l	100
55) Dibromochloromethane	8.809	129	109707	10.791	ug/l	100
56) 1,2-Dibromoethane	8.925	107	97682	11.768	ug/l	100
58) Tetrachloroethene	8.552	164	89476	9.126	ug/l	99
59) Chlorobenzene	9.446	112	267778	10.627	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	106112	10.019	ug/l	98
61) Pentachloroethane	11.426	117	91922	10.429	ug/l	93
62) Hexachloroethane	12.475	117	77852	10.619	ug/l	96
63) Ethyl Benzene	9.571	91	448256	8.861	ug/l	100
64) m/p-Xylenes	9.693	106	373198	18.524	ug/l	98
65) o-Xylene	10.102	106	169757	9.059	ug/l	98
66) Styrene	10.115	104	303583	9.097	ug/l	98
67) Bromoform	10.291	173	68148	11.803	ug/l	99
69) Isopropylbenzene	10.484	105	439443	8.889	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.783	83	159090	12.508	ug/l	99
71) 1,2,3-Trichloropropane	10.825	75	114227m	11.942	ug/l	
72) Bromobenzene	10.783	156	112846	10.373	ug/l	96
73) n-propylbenzene	10.905	120	119439	8.671	ug/l	97
74) 2-Chlorotoluene	10.986	126	115253	9.184	ug/l	100
75) 1,3,5-Trimethylbenzene	11.089	105	399536	9.023	ug/l	99
76) 4-Chlorotoluene	11.098	126	119962	9.166	ug/l	95
77) tert-Butylbenzene	11.420	119	366542	8.802	ug/l	99
78) 1,2,4-Trimethylbenzene	11.468	105	405254	8.772	ug/l	98
79) sec-Butylbenzene	11.645	105	478896	8.433	ug/l	98
80) Nitrobenzene	13.208	77	37636	54.544	ug/l	95
81) p-Isopropyltoluene	11.793	119	366195	7.941	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	229767	10.257	ug/l	100
83) 1,4-Dichlorobenzene	11.835	146	229659	10.313	ug/l	98
84) n-Butylbenzene	12.208	91	324871	7.714	ug/l	96
85) 1,2-Dichlorobenzene	12.211	146	228214	10.364	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.995	75	24186	12.050	ug/l	96
87) 1,2,4-Trichlorobenzene	13.841	180	119334	9.498	ug/l	99
88) Hexachlorobutadiene	14.021	225	68767	8.410	ug/l	98
89) Naphthalene	14.089	128	256921	7.778	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	130905	8.160	ug/l	99

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

