

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070622\
 Data File : VU049630.D
 Acq On : 06 Jul 2022 09:44
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Quant Time: Jul 07 06:16:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070622DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 07 06:16:20 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022

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

Internal Standards						
1) Fluorobenzene	6.115	96	43032	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	17187	1.113	ug/l	0.00
Spiked Amount 1.000			Recovery	=	111.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	14103	0.782	ug/l	0.00
Spiked Amount 1.000			Recovery	=	78.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	8402	0.538	ug/l	94
3) Chloromethane	1.530	50	10032	0.587	ug/l	99
4) Vinyl Chloride	1.604	62	7948	0.520	ug/l	99
5) Bromomethane	1.851	94	4978	0.538	ug/l	99
6) Chloroethane	1.932	64	4684	0.504	ug/l	94
7) Trichlorofluoromethane	2.138	101	9483	0.472	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	4924	0.430	ug/l	97
9) 1,1-Dichloroethene	2.581	96	5200	0.456	ug/l	91
10) Iodomethane	2.720	142	4854	0.548	ug/l	90
11) Allyl Chloride	2.925	41	8426	0.519	ug/l	98
12) Acrylonitrile	3.314	53	3464	1.206	ug/l	89
13) Acetone	2.626	43	8174	3.598	ug/l	96
14) Carbon Disulfide	2.790	76	17155	0.473	ug/l	98
15) Methylene Chloride	3.044	84	8008	0.442	ug/l	95
16) trans-1,2-Dichloroethene	3.350	96	5270	0.424	ug/l	95
17) 1,1-Dichloroethane	3.871	63	10985	0.521	ug/l	97
18) 2-Butanone	4.719	43	12463	3.983	ug/l	99
19) Cyclohexane	5.385	56	10547m	0.638	ug/l	
20) Methylcyclohexane	6.761	83	9956	0.555	ug/l	98
21) 2,2-Dichloropropane	4.668	77	9465	0.547	ug/l	# 78
22) cis-1,2-Dichloroethene	4.665	96	6154	0.471	ug/l	92
23) Diethyl Ether	2.379	59	4594	0.532	ug/l	# 90
24) tert-Butyl Alcohol	3.186	59	10289	11.080	ug/l	# 90
25) Methyl tert-Butyl Ether	3.369	73	15619	0.545	ug/l	98
26) Bromochloromethane	4.977	128	2940	0.462	ug/l	98
27) Chloroform	5.092	83	10758	0.487	ug/l	95
28) 1,1,1-Trichloroethane	5.317	97	9250	0.491	ug/l	99
29) 1,1-Dichloropropene	5.523	75	8638	0.541	ug/l	97
30) Carbon Tetrachloride	5.523	117	7442	0.455	ug/l	98
31) Isopropyl Ether	4.002	45	19126	0.632	ug/l	96
32) Ethyl-t-butyl ether	4.507	59	17928	0.616	ug/l	100
33) Tert-Amyl methyl ether	5.944	73	16175m	0.624	ug/l	
34) Propionitrile	4.787	54	3186	3.198	ug/l	# 92
35) Benzene	5.777	78	23368	0.491	ug/l	99
36) 1,2-Dichloroethane	5.797	62	7356	0.531	ug/l	97
37) Trichloroethene	6.543	130	6196	0.458	ug/l	95
38) 1,2-Dichloropropane	6.793	63	6447	0.531	ug/l	93
39) Methacrylonitrile	4.980	41	2669m	0.734	ug/l	
40) Methyl acrylate	4.858	55	4150	0.704	ug/l	# 87
41) Tetrahydrofuran	5.067	42	3914	1.908	ug/l	# 72
42) 1-Chlorobutane	5.456	56	11498	0.550	ug/l	96
43) Dibromomethane	6.919	93	3590	0.527	ug/l	97
44) Bromodichloromethane	7.105	83	7484	0.471	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.797	43	26027	3.605	ug/l	98
46) t-1,4-Dichloro-2-butene	10.838	75	2851m	0.867	ug/l	
47) Methyl methacrylate	6.967	69	6986	1.243	ug/l	93
48) Ethyl methacrylate	8.337	69	6952	0.664	ug/l	99
49) Toluene	7.970	92	13922	0.485	ug/l	99
50) t-1,3-Dichloropropene	8.214	75	7367	0.519	ug/l	94
51) cis-1,3-Dichloropropene	7.610	75	8515	0.518	ug/l	97
52) 1,1,2-Trichloroethane	8.401	97	4701	0.491	ug/l	98
53) 1,3-Dichloropropane	8.578	76	8685	0.546	ug/l	98
54) 2-Hexanone	8.687	43	17970	3.489	ug/l	97
55) Dibromochloromethane	8.813	129	5074	0.445	ug/l	96
56) 1,2-Dibromoethane	8.928	107	4681	0.512	ug/l	99
58) Tetrachloroethene	8.555	164	4998	0.418	ug/l	95
59) Chlorobenzene	9.449	112	15532	0.466	ug/l	93
60) 1,1,1,2-Tetrachloroethane	9.536	131	5344	0.452	ug/l	98
61) Pentachloroethane	11.427	117	3837	0.392	ug/l	96
62) Hexachloroethane	12.478	117	3836	0.425	ug/l	95
63) Ethyl Benzene	9.571	91	24477	0.468	ug/l	98
64) m/p-Xylenes	9.694	106	18896	0.921	ug/l	99
65) o-Xylene	10.102	106	9708	0.493	ug/l	98
66) Styrene	10.118	104	14370	0.436	ug/l	99
67) Bromoform	10.292	173	3061	0.430	ug/l #	90
69) Isopropylbenzene	10.485	105	24291	0.470	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.784	83	6282	0.510	ug/l	98
71) 1,2,3-Trichloropropane	10.829	75	6139m	0.647	ug/l	
72) Bromobenzene	10.784	156	5689	0.378	ug/l	96
73) n-propylbenzene	10.906	120	5784	0.400	ug/l	90
74) 2-Chlorotoluene	10.989	126	5611	0.412	ug/l	98
75) 1,3,5-Trimethylbenzene	11.089	105	20080	0.460	ug/l	98
76) 4-Chlorotoluene	11.099	126	5795	0.407	ug/l	81
77) tert-Butylbenzene	11.420	119	20544	0.466	ug/l	99
78) 1,2,4-Trimethylbenzene	11.468	105	19614	0.439	ug/l	97
79) sec-Butylbenzene	11.645	105	25298	0.438	ug/l	98
80) Nitrobenzene	13.221	77	1321	2.798	ug/l #	66
81) p-Isopropyltoluene	11.793	119	19921	0.415	ug/l	99
82) 1,3-Dichlorobenzene	11.748	146	10564	0.351	ug/l	99
83) 1,4-Dichlorobenzene	11.841	146	11088m	0.370	ug/l	
84) n-Butylbenzene	12.211	91	17545	0.381	ug/l	98
85) 1,2-Dichlorobenzene	12.214	146	11080	0.390	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.999	75	1101	0.554	ug/l	99
87) 1,2,4-Trichlorobenzene	13.841	180	6104	0.297	ug/l	94
88) Hexachlorobutadiene	14.025	225	2786	0.232	ug/l	87
89) Naphthalene	14.092	128	18176	0.551	ug/l	99
90) 1,2,3-Trichlorobenzene	14.333	180	6667	0.349	ug/l	95

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

