

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070822\
 Data File : VU049664.D
 Acq On : 08 Jul 2022 18:55
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/11/2022
 Supervised By :Mahesh Dadoda 07/11/2022

Quant Time: Jul 09 04:39:39 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	6.112	96	37562	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	13629	0.991	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	13828	1.092	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	153429	10.666	ug/l	100
3) Chloromethane	1.530	50	148000	10.059	ug/l	100
4) Vinyl Chloride	1.604	62	138276	10.308	ug/l	98
5) Bromomethane	1.858	94	60572	8.658	ug/l	97
6) Chloroethane	1.932	64	71998	9.583	ug/l	98
7) Trichlorofluoromethane	2.137	101	178100	11.077	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	88417	10.465	ug/l	99
9) 1,1-Dichloroethene	2.581	96	85015	9.982	ug/l	95
10) Iodomethane	2.723	142	115914	10.730	ug/l	95
11) Allyl Chloride	2.922	41	146994	10.121	ug/l	91
12) Acrylonitrile	3.321	53	48917	21.483	ug/l	97
13) Acetone	2.639	43	98148	62.363	ug/l	98
14) Carbon Disulfide	2.790	76	272352	9.712	ug/l	100
15) Methylene Chloride	3.044	84	108765	10.198	ug/l	97
16) trans-1,2-Dichloroethene	3.350	96	88230	9.865	ug/l	99
17) 1,1-Dichloroethane	3.864	63	178707	9.663	ug/l	98
18) 2-Butanone	4.729	43	162367	55.389	ug/l	97
19) Cyclohexane	5.375	56	162663m	9.203	ug/l	
20) Methylcyclohexane	6.758	83	158002	9.068	ug/l	96
21) 2,2-Dichloropropane	4.658	77	149474	9.877	ug/l	93
22) cis-1,2-Dichloroethene	4.662	96	96867	8.782	ug/l	89
23) Diethyl Ether	2.379	59	75461	10.401	ug/l	98
24) tert-Butyl Alcohol	3.224	59	106581	128.758	ug/l	97
25) Methyl tert-Butyl Ether	3.369	73	249766	10.488	ug/l	96
26) Bromochloromethane	4.970	128	48540	10.453	ug/l	98
27) Chloroform	5.086	83	189531	10.414	ug/l	96
28) 1,1,1-Trichloroethane	5.311	97	166617	10.381	ug/l	98
29) 1,1-Dichloropropene	5.520	75	140777	9.821	ug/l	99
30) Carbon Tetrachloride	5.517	117	145798	10.788	ug/l	95
31) Isopropyl Ether	4.002	45	308637	9.731	ug/l	94
32) Ethyl-t-butyl ether	4.514	59	294126	9.797	ug/l	98
33) Tert-Amyl methyl ether	5.951	73	254581	9.753	ug/l	99
34) Propionitrile	4.800	54	46791	53.284	ug/l	# 96
35) Benzene	5.771	78	412961	10.111	ug/l	98
36) 1,2-Dichloroethane	5.797	62	127684	10.994	ug/l	99
37) Trichloroethene	6.539	130	101749	9.857	ug/l	99
38) 1,2-Dichloropropane	6.793	63	112828	10.434	ug/l	98
39) Methacrylonitrile	4.986	41	40246	10.697	ug/l	99
40) Methyl acrylate	4.858	55	65111	11.050	ug/l	99
41) Tetrahydrofuran	5.076	42	42955	21.805	ug/l	95
42) 1-Chlorobutane	5.452	56	201814	10.040	ug/l	99
43) Dibromomethane	6.919	93	56701	10.524	ug/l	97
44) Bromodichloromethane	7.108	83	139092	10.771	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.803	43	389944	53.327	ug/l	98
46) t-1,4-Dichloro-2-butene	10.835	75	51382m	21.593	ug/l	
47) Methyl methacrylate	6.970	69	114882	21.147	ug/l	95
48) Ethyl methacrylate	8.340	69	110520	10.140	ug/l	97
49) Toluene	7.967	92	246738	9.893	ug/l	98
50) t-1,3-Dichloropropene	8.211	75	128886	10.333	ug/l	98
51) cis-1,3-Dichloropropene	7.610	75	149876	10.139	ug/l	98
52) 1,1,2-Trichloroethane	8.401	97	79944	10.752	ug/l	98
53) 1,3-Dichloropropane	8.578	76	140078	10.496	ug/l	100
54) 2-Hexanone	8.693	43	279801	55.096	ug/l	97
55) Dibromochloromethane	8.809	129	93391	10.996	ug/l	99
56) 1,2-Dibromoethane	8.925	107	76579	10.636	ug/l	99
58) Tetrachloroethene	8.552	164	86761	10.108	ug/l	99
59) Chlorobenzene	9.446	112	260196	9.972	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.536	131	100597	10.839	ug/l	97
61) Pentachloroethane	11.427	117	76900	10.792	ug/l	99
62) Hexachloroethane	12.475	117	76627	10.736	ug/l	97
63) Ethyl Benzene	9.568	91	476072	10.137	ug/l	99
64) m/p-Xylenes	9.693	106	354247	20.391	ug/l	98
65) o-Xylene	10.099	106	170451	9.983	ug/l	99
66) Styrene	10.115	104	293022	10.682	ug/l	99
67) Bromoform	10.291	173	53648	11.069	ug/l	100
69) Isopropylbenzene	10.484	105	458628	10.057	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.783	83	105648	10.937	ug/l	98
71) 1,2,3-Trichloropropane	10.825	75	88311m	11.042	ug/l	
72) Bromobenzene	10.780	156	107040	10.416	ug/l	98
73) n-propylbenzene	10.906	120	122293	10.626	ug/l	98
74) 2-Chlorotoluene	10.986	126	108633	10.587	ug/l	96
75) 1,3,5-Trimethylbenzene	11.086	105	397286	10.421	ug/l	99
76) 4-Chlorotoluene	11.095	126	106918	10.389	ug/l	96
77) tert-Butylbenzene	11.420	119	379606	10.112	ug/l	99
78) 1,2,4-Trimethylbenzene	11.468	105	407726	10.653	ug/l	98
79) sec-Butylbenzene	11.642	105	511496	10.388	ug/l	100
80) Nitrobenzene	13.208	77	24226	61.304	ug/l	97
81) p-Isopropyltoluene	11.793	119	422312	10.573	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	210976	10.613	ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	207786	10.358	ug/l	99
84) n-Butylbenzene	12.208	91	404842	10.883	ug/l	98
85) 1,2-Dichlorobenzene	12.211	146	200705	10.421	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	19568	11.616	ug/l	95
87) 1,2,4-Trichlorobenzene	13.841	180	140253	10.795	ug/l	99
88) Hexachlorobutadiene	14.021	225	75003	11.327	ug/l	100
89) Naphthalene	14.086	128	295356	10.842	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	135278	10.904	ug/l	99

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

