

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070722\
 Data File : VU049649.D
 Acq On : 07 Jul 2022 12:57
 Operator : SY/MD
 Sample : N3214-07 0.8ppb
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2022

Quant Time: Jul 08 07:23:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070622DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 08 07:22:07 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022
 Supervised By :Semsettin Yesilyurt 07/08/2022

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

Internal Standards						
1) Fluorobenzene	6.115	96	40950	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	14190	0.946	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	14696	1.064	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	15293	0.975	ug/l	98
3) Chloromethane	1.533	50	15237	0.950	ug/l	96
4) Vinyl Chloride	1.604	62	14040	0.960	ug/l	96
5) Bromomethane	1.858	94	7506	0.984	ug/l	99
6) Chloroethane	1.935	64	7242	0.884	ug/l	89
7) Trichlorofluoromethane	2.137	101	16461	0.939	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	8477	0.920	ug/l	99
9) 1,1-Dichloroethene	2.581	96	8072	0.869	ug/l	99
10) Iodomethane	2.719	142	6332	0.538	ug/l	96
11) Allyl Chloride	2.922	41	13941	0.880	ug/l	91
12) Acrylonitrile	3.327	53	4646	1.872	ug/l	98
13) Acetone	2.636	43	9587	4.894	ug/l	91
14) Carbon Disulfide	2.793	76	26921	0.881	ug/l	98
15) Methylene Chloride	3.047	84	13442	1.156	ug/l	98
16) trans-1,2-Dichloroethene	3.350	96	8717	0.894	ug/l	92
17) 1,1-Dichloroethane	3.867	63	18659	0.925	ug/l	99
18) 2-Butanone	4.726	43	15845	4.746	ug/l	99
19) Cyclohexane	5.385	56	15514m	0.805	ug/l	
20) Methylcyclohexane	6.761	83	14835	0.781	ug/l	94
21) 2,2-Dichloropropane	4.665	77	14575	0.883	ug/l	93
22) cis-1,2-Dichloroethene	4.668	96	10262	0.853	ug/l	95
23) Diethyl Ether	2.379	59	6861	0.867	ug/l	# 88
24) tert-Butyl Alcohol	3.224	59	10028	11.112	ug/l	100
25) Methyl tert-Butyl Ether	3.369	73	24043	0.926	ug/l	100
26) Bromochloromethane	4.973	128	4565	0.902	ug/l	95
27) Chloroform	5.086	83	18265	0.921	ug/l	93
28) 1,1,1-Trichloroethane	5.317	97	15258	0.872	ug/l	95
29) 1,1-Dichloropropene	5.526	75	13872	0.888	ug/l	97
30) Carbon Tetrachloride	5.523	117	12906	0.876	ug/l	94
31) Isopropyl Ether	3.999	45	30260	0.875	ug/l	96
32) Ethyl-t-butyl ether	4.513	59	26985	0.825	ug/l	96
33) Tert-Amyl methyl ether	5.948	73	23118	0.812	ug/l	99
34) Propionitrile	4.803	54	4704	4.914	ug/l	# 94
35) Benzene	5.774	78	39704	0.892	ug/l	100
36) 1,2-Dichloroethane	5.796	62	11753	0.928	ug/l	95
37) Trichloroethene	6.542	130	9842	0.875	ug/l	90
38) 1,2-Dichloropropane	6.793	63	10537	0.894	ug/l	100
39) Methacrylonitrile	4.983	41	3900	0.951	ug/l	94
40) Methyl acrylate	4.858	55	4955	0.771	ug/l	# 92
41) Tetrahydrofuran	5.073	42	4524	1.866	ug/l	93
42) 1-Chlorobutane	5.459	56	19386	0.885	ug/l	99
43) Dibromomethane	6.919	93	5444	0.927	ug/l	97
44) Bromodichloromethane	7.108	83	12486	0.887	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	33888	4.251	ug/l	99
46) t-1,4-Dichloro-2-butene	10.828	75	5969m	2.301	ug/l	
47) Methyl methacrylate	6.967	69	10104	1.706	ug/l	92
48) Ethyl methacrylate	8.336	69	9303	0.783	ug/l	98
49) Toluene	7.970	92	22720	0.836	ug/l	98
50) t-1,3-Dichloropropene	8.211	75	11066	0.814	ug/l	95
51) cis-1,3-Dichloropropene	7.610	75	13824	0.858	ug/l	98
52) 1,1,2-Trichloroethane	8.401	97	7354	0.907	ug/l	92
53) 1,3-Dichloropropane	8.578	76	13451	0.924	ug/l	98
54) 2-Hexanone	8.690	43	24814	4.482	ug/l	95
55) Dibromochloromethane	8.809	129	8499	0.918	ug/l	99
56) 1,2-Dibromoethane	8.928	107	7078	0.902	ug/l	99
58) Tetrachloroethene	8.552	164	8236	0.880	ug/l	93
59) Chlorobenzene	9.449	112	24560	0.863	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.536	131	9260	0.915	ug/l	93
61) Pentachloroethane	11.426	117	7096	0.913	ug/l	99
62) Hexachloroethane	12.475	117	6531	0.839	ug/l	94
63) Ethyl Benzene	9.571	91	41075	0.802	ug/l	99
64) m/p-Xylenes	9.693	106	30690	1.620	ug/l	98
65) o-Xylene	10.102	106	14778	0.794	ug/l	96
66) Styrene	10.115	104	23282	0.778	ug/l	98
67) Bromoform	10.288	173	4668	0.883	ug/l	95
69) Isopropylbenzene	10.484	105	40522	0.815	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.783	83	9809	0.931	ug/l	96
71) 1,2,3-Trichloropropane	10.825	75	6928m	0.795	ug/l	
72) Bromobenzene	10.780	156	10150	0.906	ug/l	98
73) n-propylbenzene	10.906	120	10148	0.809	ug/l	94
74) 2-Chlorotoluene	10.986	126	9831	0.879	ug/l	100
75) 1,3,5-Trimethylbenzene	11.089	105	33306	0.801	ug/l	99
76) 4-Chlorotoluene	11.098	126	9427	0.840	ug/l	99
77) tert-Butylbenzene	11.420	119	34527	0.844	ug/l	99
78) 1,2,4-Trimethylbenzene	11.468	105	32262	0.773	ug/l	96
79) sec-Butylbenzene	11.642	105	44925	0.837	ug/l	99
80) Nitrobenzene	13.217	77	1891	4.389	ug/l #	91
81) p-Isopropyltoluene	11.793	119	34934	0.802	ug/l	99
82) 1,3-Dichlorobenzene	11.748	146	20148	0.930	ug/l	97
83) 1,4-Dichlorobenzene	11.838	146	19798	0.905	ug/l	97
84) n-Butylbenzene	12.208	91	33073	0.816	ug/l	98
85) 1,2-Dichlorobenzene	12.214	146	19697	0.938	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.002	75	1660	0.904	ug/l	93
87) 1,2,4-Trichlorobenzene	13.841	180	12699	0.897	ug/l	95
88) Hexachlorobutadiene	14.021	225	7074	0.980	ug/l	97
89) Naphthalene	14.089	128	23978	0.807	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	12288	0.909	ug/l	93

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

