

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033023\
 Data File : VU053483.D
 Acq On : 30 Mar 2023 13:03
 Operator : JC/MD
 Sample : RLCHECL2
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RLCHECL2

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/07/2023
 Supervised By :Mahesh Dadoda 04/07/2023

Quant Time: Mar 30 16:12:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U032923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 30 13:33:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.108	96	43326	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	14614	0.934	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
68) 1,2-Dichlorobenzene-d4	12.188	152	13526	0.862	ug/l	0.00
Spiked Amount 1.000			Recovery	=	86.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	13424	0.857	ug/l	93
3) Chloromethane	1.520	50	14183	0.889	ug/l	100
4) Vinyl Chloride	1.604	62	15286	0.907	ug/l	98
5) Bromomethane	1.858	94	11394	0.601	ug/l	99
6) Chloroethane	1.932	64	8838	0.820	ug/l	97
7) Trichlorofluoromethane	2.137	101	21169	0.838	ug/l	94
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	10927	0.873	ug/l	98
9) 1,1-Dichloroethene	2.578	96	9061	0.791	ug/l	91
10) Iodomethane	2.719	142	9882	1.278	ug/l	97
11) Allyl Chloride	2.922	41	12159	0.941	ug/l	92
12) Acrylonitrile	3.327	53	3844	1.729	ug/l	# 85
13) Acetone	2.642	43	18021	4.132	ug/l	97
14) Carbon Disulfide	2.790	76	28648	0.816	ug/l	99
16) trans-1,2-Dichloroethene	3.350	96	10108	0.855	ug/l	96
17) 1,1-Dichloroethane	3.867	63	20197	0.936	ug/l	96
18) 2-Butanone	4.719	43	17077	3.847	ug/l	96
19) Cyclohexane	5.382	56	15497	0.872	ug/l	85
20) Methylcyclohexane	6.758	83	18556	0.836	ug/l	99
21) 2,2-Dichloropropane	4.661	77	16609	0.899	ug/l	96
22) cis-1,2-Dichloroethene	4.661	96	11223	0.873	ug/l	97
23) Diethyl Ether	2.375	59	7585	0.835	ug/l	96
24) tert-Butyl Alcohol	3.227	59	6467m	7.831	ug/l	
25) Methyl tert-Butyl Ether	3.359	73	22673	0.894	ug/l	97
26) Bromochloromethane	4.973	128	4460	0.861	ug/l	98
27) Chloroform	5.086	83	19991	0.892	ug/l	99
28) 1,1,1-Trichloroethane	5.311	97	16057	0.831	ug/l	98
29) 1,1-Dichloropropene	5.523	75	14770	0.884	ug/l	94
30) Carbon Tetrachloride	5.523	117	13911	0.905	ug/l	87
31) Isopropyl Ether	3.986	45	26119	0.880	ug/l	99
32) Ethyl-t-butyl ether	4.494	59	26869	0.881	ug/l	98
33) Tert-Amyl methyl ether	5.941	73	23642	0.872	ug/l	# 92
34) Propionitrile	4.816	54	3241m	4.531	ug/l	
35) Benzene	5.771	78	42901	0.877	ug/l	99
36) 1,2-Dichloroethane	5.790	62	12395	0.882	ug/l	98
37) Trichloroethene	6.536	130	11263	0.916	ug/l	80
38) 1,2-Dichloropropane	6.787	63	10549	0.842	ug/l	93
39) Methacrylonitrile	4.980	41	2975	0.974	ug/l	86
40) Methyl acrylate	4.858	55	4800m	0.867	ug/l	
41) Tetrahydrofuran	5.063	42	2718m	1.705	ug/l	
42) 1-Chlorobutane	5.456	56	20674	0.930	ug/l	97
43) Dibromomethane	6.915	93	4932	0.826	ug/l	93
44) Bromodichloromethane	7.102	83	12156	0.814	ug/l	# 87
45) 4-Methyl-2-Pentanone	7.787	43	26779	4.325	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) t-1,4-Dichloro-2-butene	10.832	75	5805m	2.127	ug/l	
47) Methyl methacrylate	6.960	69	9069	1.652	ug/l	95
48) Ethyl methacrylate	8.333	69	9775	0.918	ug/l	91
49) Toluene	7.967	92	24505	0.818	ug/l	95
50) t-1,3-Dichloropropene	8.211	75	12196	0.882	ug/l	95
51) cis-1,3-Dichloropropene	7.603	75	14123	0.825	ug/l	95
52) 1,1,2-Trichloroethane	8.398	97	7487	0.865	ug/l	93
53) 1,3-Dichloropropane	8.574	76	12910	0.865	ug/l	98
54) 2-Hexanone	8.684	43	27092	4.170	ug/l	98
55) Dibromochloromethane	8.803	129	6457	0.733	ug/l	95
56) 1,2-Dibromoethane	8.922	107	6477	0.812	ug/l	92
58) Tetrachloroethene	8.549	164	10389	0.903	ug/l	94
59) Chlorobenzene	9.443	112	28108	0.852	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.529	131	8399	0.837	ug/l	98
61) Pentachloroethane	11.420	117	5857	0.831	ug/l	92
62) Hexachloroethane	12.475	117	6220	1.025	ug/l #	78
63) Ethyl Benzene	9.568	91	49421	0.854	ug/l	98
64) m/p-Xylenes	9.690	106	36022	1.628	ug/l	97
65) o-Xylene	10.099	106	18268	0.844	ug/l	96
66) Styrene	10.111	104	28134	0.845	ug/l	98
67) Bromoform	10.288	173	2925	0.944	ug/l #	89
69) Isopropylbenzene	10.481	105	46297	0.817	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.777	83	8730	0.838	ug/l	97
71) 1,2,3-Trichloropropane	10.819	75	6038m	0.767	ug/l	
72) Bromobenzene	10.780	156	10403	0.876	ug/l	99
73) n-propylbenzene	10.902	120	13167	0.879	ug/l	90
74) 2-Chlorotoluene	10.979	126	10694	0.826	ug/l	87
75) 1,3,5-Trimethylbenzene	11.082	105	37325	0.784	ug/l	98
76) 4-Chlorotoluene	11.095	126	10952	0.815	ug/l	89
77) tert-Butylbenzene	11.417	119	37008	0.839	ug/l	99
78) 1,2,4-Trimethylbenzene	11.462	105	40974	0.845	ug/l	92
79) sec-Butylbenzene	11.639	105	50144	0.789	ug/l	99
80) Nitrobenzene	13.211	77	791	3.022	ug/l #	52
81) p-Isopropyltoluene	11.790	119	40666	0.815	ug/l	98
82) 1,3-Dichlorobenzene	11.742	146	22169	0.876	ug/l	95
83) 1,4-Dichlorobenzene	11.835	146	20742	0.810	ug/l	96
84) n-Butylbenzene	12.205	91	40689	0.825	ug/l	99
85) 1,2-Dichlorobenzene	12.208	146	20455	0.853	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.999	75	1079m	0.682	ug/l	
87) 1,2,4-Trichlorobenzene	13.838	180	12055	0.862	ug/l	98
88) Hexachlorobutadiene	14.018	225	5757	0.860	ug/l	95
89) Naphthalene	14.085	128	22914	0.814	ug/l	99
90) 1,2,3-Trichlorobenzene	14.327	180	10754	0.892	ug/l	93

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

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