

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032923\
 Data File : VU053474.D
 Acq On : 29 Mar 2023 19:20
 Operator : JC/MD
 Sample : RLCHECK2
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RLCHECK2

Manual Integrations
 APPROVED

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

Quant Time: Mar 30 14:09:57 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	6.112	96	45145	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	15465	0.949	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	14552	0.890	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	14312	0.877	ug/l	100
3) Chloromethane	1.520	50	14050	0.845	ug/l	98
4) Vinyl Chloride	1.601	62	14795	0.842	ug/l	96
5) Bromomethane	1.858	94	12561	0.657	ug/l	93
6) Chloroethane	1.932	64	9839	0.876	ug/l	93
7) Trichlorofluoromethane	2.137	101	22085	0.840	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	10810	0.829	ug/l	96
9) 1,1-Dichloroethene	2.578	96	9699	0.813	ug/l	86
10) Iodomethane	2.719	142	9240	1.209	ug/l	96
11) Allyl Chloride	2.919	41	11895	0.884	ug/l	92
12) Acrylonitrile	3.330	53	4054	1.750	ug/l	# 78
13) Acetone	2.642	43	9500	2.091	ug/l	99
14) Carbon Disulfide	2.790	76	29467	0.806	ug/l	98
16) trans-1,2-Dichloroethene	3.353	96	10737	0.871	ug/l	94
17) 1,1-Dichloroethane	3.864	63	20359	0.905	ug/l	97
18) 2-Butanone	4.723	43	12294	2.658	ug/l	94
19) Cyclohexane	5.382	56	15840	0.855	ug/l	# 86
20) Methylcyclohexane	6.758	83	19501	0.843	ug/l	98
21) 2,2-Dichloropropane	4.655	77	14878	0.773	ug/l	98
22) cis-1,2-Dichloroethene	4.668	96	11884	0.887	ug/l	97
23) Diethyl Ether	2.375	59	8164	0.862	ug/l	91
24) tert-Butyl Alcohol	3.208	59	9782m	11.368	ug/l	
25) Methyl tert-Butyl Ether	3.359	73	22772	0.861	ug/l	99
26) Bromochloromethane	4.967	128	4944	0.916	ug/l	96
27) Chloroform	5.086	83	19713	0.844	ug/l	93
28) 1,1,1-Trichloroethane	5.311	97	18019	0.895	ug/l	97
29) 1,1-Dichloropropene	5.523	75	14813	0.850	ug/l	99
30) Carbon Tetrachloride	5.520	117	13356	0.834	ug/l	95
31) Isopropyl Ether	3.990	45	27882	0.901	ug/l	96
32) Ethyl-t-butyl ether	4.504	59	27619	0.869	ug/l	100
33) Tert-Amyl methyl ether	5.935	73	25779	0.912	ug/l	98
34) Propionitrile	4.797	54	2868m	3.962	ug/l	
35) Benzene	5.774	78	43532	0.854	ug/l	96
36) 1,2-Dichloroethane	5.790	62	12787	0.874	ug/l	# 94
37) Trichloroethene	6.539	130	10678	0.833	ug/l	87
38) 1,2-Dichloropropane	6.787	63	11432	0.876	ug/l	94
39) Methacrylonitrile	4.980	41	2535	0.797	ug/l	# 86
40) Methyl acrylate	4.864	55	5869m	1.017	ug/l	
41) Tetrahydrofuran	5.067	42	3189	1.919	ug/l	93
42) 1-Chlorobutane	5.452	56	19657	0.848	ug/l	96
43) Dibromomethane	6.919	93	5332	0.857	ug/l	93
44) Bromodichloromethane	7.102	83	13229	0.851	ug/l	90
45) 4-Methyl-2-Pentanone	7.787	43	27171	4.211	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) t-1,4-Dichloro-2-butene	10.832	75	3707m	1.503	ug/l	
47) Methyl methacrylate	6.960	69	9373	1.639	ug/l	95
48) Ethyl methacrylate	8.330	69	9871	0.890	ug/l	89
49) Toluene	7.964	92	26113	0.836	ug/l	99
50) t-1,3-Dichloropropene	8.208	75	12139	0.843	ug/l	98
51) cis-1,3-Dichloropropene	7.607	75	14509	0.813	ug/l #	88
52) 1,1,2-Trichloroethane	8.398	97	7763	0.861	ug/l	88
53) 1,3-Dichloropropane	8.575	76	13385	0.860	ug/l	91
54) 2-Hexanone	8.684	43	19675	2.907	ug/l	95
55) Dibromochloromethane	8.806	129	7029	0.766	ug/l	99
56) 1,2-Dibromoethane	8.922	107	6681	0.804	ug/l	89
58) Tetrachloroethene	8.546	164	10031	0.837	ug/l	95
59) Chlorobenzene	9.443	112	29458	0.857	ug/l	93
60) 1,1,1,2-Tetrachloroethane	9.529	131	8817	0.844	ug/l	98
61) Pentachloroethane	11.423	117	5881	0.801	ug/l	97
62) Hexachloroethane	12.471	117	6114	0.987	ug/l #	76
63) Ethyl Benzene	9.565	91	49413	0.819	ug/l	96
64) m/p-Xylenes	9.690	106	37364	1.621	ug/l	98
65) o-Xylene	10.099	106	18839	0.835	ug/l	96
66) Styrene	10.111	104	27191	0.784	ug/l	95
67) Bromoform	10.285	173	3254	0.985	ug/l	100
69) Isopropylbenzene	10.481	105	46395	0.785	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.780	83	9364	0.862	ug/l #	97
71) 1,2,3-Trichloropropane	10.819	75	6384m	0.779	ug/l	
72) Bromobenzene	10.780	156	10546	0.852	ug/l	99
73) n-propylbenzene	10.902	120	13447	0.862	ug/l	90
74) 2-Chlorotoluene	10.983	126	11784	0.873	ug/l	95
75) 1,3,5-Trimethylbenzene	11.086	105	38716	0.780	ug/l	99
76) 4-Chlorotoluene	11.095	126	11932	0.852	ug/l	95
77) tert-Butylbenzene	11.417	119	37166	0.808	ug/l	93
78) 1,2,4-Trimethylbenzene	11.465	105	38840	0.769	ug/l	98
79) sec-Butylbenzene	11.639	105	54816	0.828	ug/l	99
80) Nitrobenzene	13.211	77	1028m	3.769	ug/l	
81) p-Isopropyltoluene	11.790	119	41108	0.790	ug/l	99
82) 1,3-Dichlorobenzene	11.742	146	22489	0.853	ug/l	95
83) 1,4-Dichlorobenzene	11.832	146	21973	0.823	ug/l	91
84) n-Butylbenzene	12.205	91	42653	0.830	ug/l	97
85) 1,2-Dichlorobenzene	12.211	146	21186	0.848	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.992	75	858	0.520	ug/l #	71
87) 1,2,4-Trichlorobenzene	13.838	180	12903	0.885	ug/l	99
88) Hexachlorobutadiene	14.018	225	6098	0.875	ug/l	96
89) Naphthalene	14.086	128	24350	0.830	ug/l #	96
90) 1,2,3-Trichlorobenzene	14.327	180	11436	0.911	ug/l	99

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

