

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072723\
 Data File : VU054899.D
 Acq On : 27 Jul 2023 17:18
 Operator : MD/SY
 Sample : RL-CHECK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/28/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 28 06:43:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 28 06:40:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.114	96	25522	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	7956	1.028	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	9435	1.079	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.384	85	4300	0.885	ug/l	97
3) Chloromethane	1.516	50	5095	0.933	ug/l	94
4) Vinyl Chloride	1.599	62	7039	0.965	ug/l	92
5) Bromomethane	1.853	94	4993	0.863	ug/l	97
6) Chloroethane	1.930	64	6096	0.809	ug/l	98
7) Trichlorofluoromethane	2.133	101	13876	0.810	ug/l	89
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	4841	0.872	ug/l	99
9) 1,1-Dichloroethene	2.577	96	3703	0.840	ug/l	90
10) Iodomethane	2.718	142	5155	0.749	ug/l	93
11) Allyl Chloride	2.921	41	4365	0.829	ug/l	95
12) Acrylonitrile	3.332	53	1547m	1.399	ug/l	
13) Acetone	2.654	43	5050m	4.369	ug/l	
14) Carbon Disulfide	2.789	76	6175	0.809	ug/l	# 86
15) Methylene Chloride	3.043	84	7556	1.229	ug/l	97
16) trans-1,2-Dichloroethene	3.355	96	4777	0.996	ug/l	87
17) 1,1-Dichloroethane	3.869	63	9398	0.876	ug/l	# 93
18) 2-Butanone	4.731	43	6491m	4.452	ug/l	
19) Cyclohexane	5.380	56	5954m	0.986	ug/l	
20) Methylcyclohexane	6.760	83	6637	0.822	ug/l	96
21) 2,2-Dichloropropane	4.667	77	7923	0.797	ug/l	93
22) cis-1,2-Dichloroethene	4.667	96	5731	0.899	ug/l	93
23) Diethyl Ether	2.374	59	6259	0.963	ug/l	98
24) tert-Butyl Alcohol	3.223	59	5860m	9.690	ug/l	
25) Methyl tert-Butyl Ether	3.368	73	14111	1.035	ug/l	100
26) Bromochloromethane	4.982	128	2520	0.964	ug/l	# 86
27) Chloroform	5.091	83	10970	0.952	ug/l	99
28) 1,1,1-Trichloroethane	5.313	97	8575	0.862	ug/l	96
29) 1,1-Dichloropropene	5.525	75	6654	0.906	ug/l	95
30) Carbon Tetrachloride	5.519	117	6196	0.746	ug/l	93
31) Isopropyl Ether	3.995	45	14351	0.906	ug/l	99
32) Ethyl-t-butyl ether	4.496	59	15433	0.946	ug/l	98
33) Tert-Amyl methyl ether	5.940	73	13820	0.896	ug/l	98
34) Propionitrile	4.821	54	1573m	3.913	ug/l	
35) Benzene	5.773	78	20281	0.882	ug/l	95
36) 1,2-Dichloroethane	5.792	62	6059	0.927	ug/l	# 87
37) Trichloroethene	6.538	130	5594	0.905	ug/l	91
38) 1,2-Dichloropropane	6.789	63	5613	0.864	ug/l	98
39) Methacrylonitrile	4.988	41	1191	0.739	ug/l	# 73
40) Methyl acrylate	4.876	55	2355	0.919	ug/l	# 72
41) Tetrahydrofuran	5.088	42	1884m	2.045	ug/l	
42) 1-Chlorobutane	5.458	56	8905	0.926	ug/l	98
43) Dibromomethane	6.917	93	2981	0.977	ug/l	96
44) Bromodichloromethane	7.101	83	7444	0.875	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072723\
 Data File : VU054899.D
 Acq On : 27 Jul 2023 17:18
 Operator : MD/SY
 Sample : RL-CHECK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK

Quant Time: Jul 28 06:43:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 28 06:40:03 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/28/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	18680	5.245	ug/l	96
46) t-1,4-Dichloro-2-butene	10.830	75	2978m	2.078	ug/l	
47) Methyl methacrylate	6.962	69	5501	1.971	ug/l	97
48) Ethyl methacrylate	8.335	69	5314	0.942	ug/l	99
49) Toluene	7.966	92	13085	0.894	ug/l	100
50) t-1,3-Dichloropropene	8.213	75	7073	0.937	ug/l	92
51) cis-1,3-Dichloropropene	7.605	75	7946	0.856	ug/l #	88
52) 1,1,2-Trichloroethane	8.400	97	4740	0.980	ug/l #	81
53) 1,3-Dichloropropane	8.573	76	7419	0.948	ug/l	89
54) 2-Hexanone	8.689	43	12217	4.828	ug/l	95
55) Dibromochloromethane	8.808	129	4932	0.890	ug/l	86
56) 1,2-Dibromoethane	8.924	107	4237	1.033	ug/l	97
58) Tetrachloroethene	8.554	164	5117	0.948	ug/l	92
59) Chlorobenzene	9.448	112	16145	0.909	ug/l	94
60) 1,1,1,2-Tetrachloroethane	9.535	131	5714	0.911	ug/l	98
61) Pentachloroethane	11.422	117	3708	0.757	ug/l	89
62) Hexachloroethane	12.473	117	3944	0.782	ug/l	96
63) Ethyl Benzene	9.570	91	26410	0.886	ug/l	95
64) m/p-Xylenes	9.692	106	19346	1.734	ug/l	97
65) o-Xylene	10.097	106	9838	0.859	ug/l	100
66) Styrene	10.117	104	15940	0.870	ug/l	96
67) Bromoform	10.287	173	2740	0.953	ug/l #	93
69) Isopropylbenzene	10.483	105	27296	0.887	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.779	83	5842	0.975	ug/l	98
71) 1,2,3-Trichloropropane	10.827	75	3843m	0.901	ug/l	
72) Bromobenzene	10.782	156	6565	0.958	ug/l	96
73) n-propylbenzene	10.904	120	6827	0.829	ug/l	93
74) 2-Chlorotoluene	10.985	126	6727	0.944	ug/l	99
75) 1,3,5-Trimethylbenzene	11.084	105	21953	0.881	ug/l	100
76) 4-Chlorotoluene	11.097	126	6618	0.894	ug/l	96
77) tert-Butylbenzene	11.419	119	22291	0.860	ug/l	95
78) 1,2,4-Trimethylbenzene	11.467	105	22286	0.874	ug/l	95
79) sec-Butylbenzene	11.641	105	27872	0.828	ug/l	100
80) Nitrobenzene	13.219	77	681	4.328	ug/l #	54
81) p-Isopropyltoluene	11.792	119	21416	0.806	ug/l	97
82) 1,3-Dichlorobenzene	11.747	146	14069	0.965	ug/l	98
83) 1,4-Dichlorobenzene	11.837	146	13599	0.936	ug/l	98
84) n-Butylbenzene	12.210	91	18545	0.777	ug/l	99
85) 1,2-Dichlorobenzene	12.210	146	13128	0.939	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.997	75	703	0.883	ug/l	90
87) 1,2,4-Trichlorobenzene	13.840	180	7909	0.887	ug/l	94
88) Hexachlorobutadiene	14.017	225	4766	1.002	ug/l	90
89) Naphthalene	14.091	128	11487	0.832	ug/l	97
90) 1,2,3-Trichlorobenzene	14.329	180	7511	0.950	ug/l	95

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

