

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013023\
 Data File : VU052868.D
 Acq On : 30 Jan 2023 18:43
 Operator : JC/MD
 Sample : RL CHECK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RL CHECK

Quant Time: Jan 31 13:02:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jan 24 05:16:59 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/01/2023
 Supervised By :Mahesh Dadoda 02/01/2023

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

Internal Standards						
1) Fluorobenzene	6.112	96	27503	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	7190	0.786	ug/l	0.00
Spiked Amount 1.000			Recovery	=	79.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	9525	1.012	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	3725	0.400	ug/l	81
3) Chloromethane	1.520	50	3539	0.401	ug/l	97
4) Vinyl Chloride	1.604	62	3077	0.361	ug/l	99
5) Bromomethane	1.858	94	2284	0.515	ug/l	93
6) Chloroethane	1.935	64	2522	0.492	ug/l	97
7) Trichlorofluoromethane	2.137	101	6972	0.561	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.575	101	3395	0.500	ug/l	92
9) 1,1-Dichloroethene	2.581	96	3247	0.506	ug/l	98
10) Iodomethane	2.723	142	3893	0.548	ug/l	98
11) Allyl Chloride	2.919	41	3568	0.465	ug/l	92
12) Acrylonitrile	3.321	53	1167	0.858	ug/l	88
13) Acetone	2.649	43	4303	2.230	ug/l	# 78
14) Carbon Disulfide	2.793	76	9071	0.422	ug/l	100
15) Methylene Chloride	3.044	84	5845	0.754	ug/l	89
16) trans-1,2-Dichloroethene	3.350	96	3193	0.447	ug/l	96
17) 1,1-Dichloroethane	3.867	63	5190	0.430	ug/l	94
18) 2-Butanone	4.732	43	3984	1.777	ug/l	76
19) Cyclohexane	5.382	56	3476	0.328	ug/l	86
20) Methylcyclohexane	6.758	83	3537	0.299	ug/l	99
21) 2,2-Dichloropropane	4.665	77	5037	0.450	ug/l	94
22) cis-1,2-Dichloroethene	4.665	96	3479	0.466	ug/l	91
23) Diethyl Ether	2.379	59	2184	0.481	ug/l	95
24) tert-Butyl Alcohol	3.263	59	3299m	6.039	ug/l	
25) Methyl tert-Butyl Ether	3.362	73	6801	0.462	ug/l	97
26) Bromochloromethane	4.964	128	1677	0.481	ug/l	91
27) Chloroform	5.086	83	7256	0.561	ug/l	93
28) 1,1,1-Trichloroethane	5.314	97	5644	0.473	ug/l	96
29) 1,1-Dichloropropene	5.523	75	3908	0.388	ug/l	97
30) Carbon Tetrachloride	5.520	117	5125	0.473	ug/l	98
31) Isopropyl Ether	4.002	45	6498	0.375	ug/l	94
32) Ethyl-t-butyl ether	4.507	59	6464	0.399	ug/l	90
33) Tert-Amyl methyl ether	5.948	73	5050	0.353	ug/l	# 94
34) Propionitrile	4.797	54	1055m	2.055	ug/l	
35) Benzene	5.771	78	11318	0.388	ug/l	100
36) 1,2-Dichloroethane	5.793	62	3824	0.436	ug/l	# 81
37) Trichloroethene	6.539	130	3393	0.426	ug/l	83
38) 1,2-Dichloropropane	6.790	63	2682	0.362	ug/l	90
39) Methacrylonitrile	4.980	41	549	0.268	ug/l	# 59
40) Methyl acrylate	4.854	55	1539	0.423	ug/l	# 73
41) Tetrahydrofuran	5.073	42	648	0.635	ug/l	# 86
42) 1-Chlorobutane	5.452	56	4618	0.359	ug/l	93
43) Dibromomethane	6.912	93	1647	0.439	ug/l	91
44) Bromodichloromethane	7.105	83	4539	0.446	ug/l	92

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45) 4-Methyl-2-Pentanone	7.796	43	5299	1.345	ug/l	96
46) t-1,4-Dichloro-2-butene	10.828	75	1118m	0.541	ug/l	
47) Methyl methacrylate	6.967	69	1855	0.557	ug/l	94
48) Ethyl methacrylate	8.333	69	1574	0.261	ug/l	97
49) Toluene	7.970	92	5778	0.326	ug/l	93
50) t-1,3-Dichloropropene	8.211	75	2665	0.300	ug/l #	80
51) cis-1,3-Dichloropropene	7.610	75	3469	0.332	ug/l #	87
52) 1,1,2-Trichloroethane	8.401	97	2211	0.415	ug/l	91
53) 1,3-Dichloropropane	8.575	76	3393	0.368	ug/l	92
54) 2-Hexanone	8.693	43	3861	1.120	ug/l	93
55) Dibromochloromethane	8.806	129	2947	0.423	ug/l	97
56) 1,2-Dibromoethane	8.919	107	1914	0.377	ug/l	81
58) Tetrachloroethene	8.549	164	3058	0.426	ug/l	94
59) Chlorobenzene	9.446	112	6603	0.342	ug/l	89
60) 1,1,1,2-Tetrachloroethane	9.529	131	3387	0.454	ug/l	96
61) Pentachloroethane	11.423	117	2701	0.442	ug/l	97
62) Hexachloroethane	12.475	117	2514	0.407	ug/l	89
63) Ethyl Benzene	9.568	91	9146	0.293	ug/l	99
64) m/p-Xylenes	9.690	106	7091	0.569	ug/l	93
65) o-Xylene	10.099	106	3543	0.295	ug/l	92
66) Styrene	10.111	104	5767	0.659	ug/l	96
67) Bromoform	10.288	173	1595	0.388	ug/l	92
69) Isopropylbenzene	10.481	105	9269	0.303	ug/l	94
70) 1,1,2,2-Tetrachloroethane	10.783	83	2699	0.406	ug/l	99
71) 1,2,3-Trichloropropane	10.819	75	1620m	0.282	ug/l	
72) Bromobenzene	10.780	156	2857	0.368	ug/l	87
73) n-propylbenzene	10.902	120	2482	0.670	ug/l	86
74) 2-Chlorotoluene	10.986	126	2219	0.287	ug/l	93
75) 1,3,5-Trimethylbenzene	11.086	105	6905	0.630	ug/l	90
76) 4-Chlorotoluene	11.099	126	2179	0.275	ug/l	97
77) tert-Butylbenzene	11.417	119	8628	0.324	ug/l	92
78) 1,2,4-Trimethylbenzene	11.465	105	7002	0.663	ug/l	99
79) sec-Butylbenzene	11.639	105	9442	0.648	ug/l	98
80) Nitrobenzene	13.214	77	711	1.728	ug/l #	83
81) p-Isopropyltoluene	11.787	119	7376	0.681	ug/l	94
82) 1,3-Dichlorobenzene	11.745	146	5900	0.372	ug/l	97
83) 1,4-Dichlorobenzene	11.835	146	5431	0.341	ug/l	99
84) n-Butylbenzene	12.205	91	6982	0.763	ug/l	98
85) 1,2-Dichlorobenzene	12.211	146	5464	0.365	ug/l	95
86) 1,2-Dibromo-3-Chloropr...	12.992	75	421	0.342	ug/l	90
87) 1,2,4-Trichlorobenzene	13.838	180	3274	0.365	ug/l	100
88) Hexachlorobutadiene	14.021	225	3046	0.484	ug/l	96
89) Naphthalene	14.082	128	5251	0.302	ug/l #	91
90) 1,2,3-Trichlorobenzene	14.327	180	2976	0.349	ug/l	99

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

Manual Integrations APPROVED

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Abundance

TIC: VU052868.D\data.ms