Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101823\
Data File : VU055792.D
Acq On : 18 Oct 2023 09:36
Operator : MD/SY
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 19 02:12:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Oct 19 02:09:44 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.113	96	87960	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	38774	1.118	ug/l	0.00
Spiked Amount 1.000			Recovery = 112.000%			
68) 1,2-Dichlorobenzene-d4	12.193	152	29621	0.921	ug/l	0.00
Spiked Amount 1.000			Recovery = 92.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	18153	0.531	ug/l	97
3) Chloromethane	1.518	50	16119	0.552	ug/l	98
4) Vinyl Chloride	1.602	62	16515	0.552	ug/l	98
5) Bromomethane	1.856	94	10031	0.609	ug/l	94
6) Chloroethane	1.930	64	9146	0.631	ug/l	94
7) Trichlorofluoromethane	2.136	101	21981	0.557	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	14198	0.540	ug/l	98
9) 1,1-Dichloroethene	2.579	96	13047	0.532	ug/l	86
10) Iodomethane	2.718	142	17722	0.482	ug/l	99
11) Allyl Chloride	2.924	41	16567	0.519	ug/l	97
12) Acrylonitrile	3.338	53	4401	0.955	ug/l	93
13) Acetone	2.644	43	27510	2.797	ug/l	98
14) Carbon Disulfide	2.792	76	42301	0.528	ug/l	97
15) Methylene Chloride	3.042	84	16033	0.554	ug/l	93
16) trans-1,2-Dichloroethene	3.351	96	12923	0.497	ug/l	99
17) 1,1-Dichloroethane	3.866	63	25092	0.519	ug/l	95
18) 2-Butanone	4.724	43	26746	2.524	ug/l	97
19) Cyclohexane	5.383	56	19555m	0.535	ug/l	
20) Methylcyclohexane	6.763	83	19482	0.455	ug/l	97
21) 2,2-Dichloropropane	4.660	77	21378	0.525	ug/l	97
22) cis-1,2-Dichloroethene	4.666	96	13880	0.501	ug/l	100
23) Diethyl Ether	2.377	59	8390	0.572	ug/l	98
24) tert-Butyl Alcohol	3.197	59	6675m	4.581	ug/l	
25) Methyl tert-Butyl Ether	3.364	73	25745	0.488	ug/l	99
26) Bromochloromethane	4.975	128	6184	0.526	ug/l	98
27) Chloroform	5.091	83	26243	0.529	ug/l	95
28) 1,1,1-Trichloroethane	5.312	97	22942	0.516	ug/l	98
29) 1,1-Dichloropropene	5.525	75	17557	0.498	ug/l	96
30) Carbon Tetrachloride	5.521	117	20014	0.515	ug/l	96
31) Isopropyl Ether	3.991	45	30988	0.477	ug/l	99
32) Ethyl-t-butyl ether	4.496	59	30121	0.480	ug/l	94
33) Tert-Amyl methyl ether	5.936	73	24117	0.449	ug/l	97
34) Propionitrile	4.811	54	3528m	2.164	ug/l	
35) Benzene	5.772	78	53399	0.500	ug/l	99
36) 1,2-Dichloroethane	5.798	62	15205	0.525	ug/l	99
37) Trichloroethene	6.544	130	15134	0.545	ug/l	86
38) 1,2-Dichloropropane	6.788	63	13598	0.488	ug/l	97
39) Methacrylonitrile	5.007	41	2928m	0.480	ug/l	
40) Methyl acrylate	4.882	55	3696	0.367	ug/l #	73
41) Tetrahydrofuran	5.081	42	3918m	1.120	ug/l	
42) 1-Chlorobutane	5.457	56	23678	0.504	ug/l	99
43) Dibromomethane	6.917	93	7017	0.530	ug/l	97
44) Bromodichloromethane	7.107	83	18135	0.518	ug/l #	96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	32946	2.405	ug/l		99
46) t-1,4-Dichloro-2-butene	10.830	75	4875m	1.034	ug/l		
47) Methyl methacrylate	6.972	69	9293	0.851	ug/l		93
48) Ethyl methacrylate	8.338	69	8712	0.420	ug/l		95
49) Toluene	7.972	92	29035	0.460	ug/l		100
50) t-1,3-Dichloropropene	8.213	75	15379	0.496	ug/l		96
51) cis-1,3-Dichloropropene	7.608	75	18430	0.486	ug/l		97
52) 1,1,2-Trichloroethane	8.396	97	10162	0.537	ug/l		95
53) 1,3-Dichloropropane	8.576	76	16331	0.505	ug/l		99
54) 2-Hexanone	8.689	43	38676	2.520	ug/l		94
55) Dibromochloromethane	8.808	129	11894	0.521	ug/l		97
56) 1,2-Dibromoethane	8.926	107	8905	0.515	ug/l		96
58) Tetrachloroethene	8.550	164	15501	0.537	ug/l		94
59) Chlorobenzene	9.447	112	33990	0.487	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.531	131	12945	0.521	ug/l		96
61) Pentachloroethane	11.425	117	7929	0.471	ug/l		100
62) Hexachloroethane	12.470	117	7235	0.406	ug/l		93
63) Ethyl Benzene	9.570	91	52806	0.446	ug/l		98
64) m/p-Xylenes	9.695	106	38273	0.841	ug/l		96
65) o-Xylene	10.100	106	19493	0.437	ug/l		93
66) Styrene	10.116	104	27931	0.400	ug/l		96
67) Bromoform	10.290	173	6137	0.500	ug/l	#	94
69) Isopropylbenzene	10.483	105	48614	0.423	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.782	83	10805	0.488	ug/l		98
71) 1,2,3-Trichloropropane	10.820	75	8634m	0.486	ug/l		
72) Bromobenzene	10.782	156	12931	0.471	ug/l		93
73) n-propylbenzene	10.907	120	10536	0.356	ug/l		98
74) 2-Chlorotoluene	10.984	126	12114	0.440	ug/l		92
75) 1,3,5-Trimethylbenzene	11.087	105	37632	0.383	ug/l		100
76) 4-Chlorotoluene	11.097	126	11871	0.423	ug/l		98
77) tert-Butylbenzene	11.418	119	35793	0.397	ug/l		99
78) 1,2,4-Trimethylbenzene	11.467	105	36475	0.375	ug/l		99
79) sec-Butylbenzene	11.640	105	41118	0.362	ug/l		100
80) Nitrobenzene	13.238	77	893	1.460	ug/l	#	77
81) p-Isopropyltoluene	11.791	119	32431	0.354	ug/l		96
82) 1,3-Dichlorobenzene	11.746	146	25545	0.456	ug/l		100
83) 1,4-Dichlorobenzene	11.840	146	23609	0.436	ug/l		97
84) n-Butylbenzene	12.209	91	27978	0.358	ug/l		98
85) 1,2-Dichlorobenzene	12.213	146	23853	0.466	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	12.997	75	1277	0.404	ug/l	#	79
87) 1,2,4-Trichlorobenzene	13.843	180	10690	0.385	ug/l		98
88) Hexachlorobutadiene	14.020	225	9093	0.471	ug/l		91
89) Naphthalene	14.093	128	15333	0.363	ug/l		96
90) 1,2,3-Trichlorobenzene	14.331	180	8905	0.374	ug/l		96

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

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