Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032923\
Data File : VU053471.D
Acq On : 29 Mar 2023 18:07
Operator : JC/MD
Sample : VU0329WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 30 14:08:58 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

Instrument :
MSVOA_U
ClientSampleId :
VU0329WBS01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.108	96	44362	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	15854	0.990	ug/l	0.00
Spiked Amount 1.000			Recovery = 99.000%			
68) 1,2-Dichlorobenzene-d4	12.189	152	14992	0.933	ug/l	0.00
Spiked Amount 1.000			Recovery = 93.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	31038	1.935	ug/l	92
3) Chloromethane	1.520	50	30584	1.872	ug/l	99
4) Vinyl Chloride	1.601	62	33950	1.967	ug/l	99
5) Bromomethane	1.858	94	26886	1.858	ug/l	94
6) Chloroethane	1.932	64	20841	1.889	ug/l	97
7) Trichlorofluoromethane	2.137	101	45984	1.779	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	24743	1.931	ug/l	97
9) 1,1-Dichloroethene	2.578	96	21337	1.820	ug/l	92
10) Iodomethane	2.719	142	19406	1.889	ug/l	97
11) Allyl Chloride	2.919	41	26166	1.978	ug/l	96
12) Acrylonitrile	3.317	53	8441	3.708	ug/l	94
13) Acetone	2.646	43	27148	6.080	ug/l	96
14) Carbon Disulfide	2.790	76	62527	1.740	ug/l	98
15) Methylene Chloride	3.041	84	28818	0.459	ug/l	88
16) trans-1,2-Dichloroethene	3.353	96	23813	1.967	ug/l	86
17) 1,1-Dichloroethane	3.867	63	41823	1.892	ug/l	99
18) 2-Butanone	4.716	43	29105	6.404	ug/l	96
19) Cyclohexane	5.382	56	33551	1.844	ug/l #	82
20) Methylcyclohexane	6.758	83	43593	1.918	ug/l	93
21) 2,2-Dichloropropane	4.658	77	36215	1.914	ug/l	97
22) cis-1,2-Dichloroethene	4.662	96	25441	1.933	ug/l	98
23) Diethyl Ether	2.375	59	17054	1.833	ug/l	90
24) tert-Butyl Alcohol	3.215	59	19122m	22.614	ug/l	
25) Methyl tert-Butyl Ether	3.359	73	50727	1.953	ug/l	99
26) Bromochloromethane	4.970	128	9979	1.882	ug/l	95
27) Chloroform	5.083	83	43421	1.893	ug/l	100
28) 1,1,1-Trichloroethane	5.311	97	38230	1.933	ug/l	96
29) 1,1-Dichloropropene	5.520	75	34341	2.006	ug/l	99
30) Carbon Tetrachloride	5.520	117	30446	1.934	ug/l	93
31) Isopropyl Ether	3.990	45	58548	1.926	ug/l	96
32) Ethyl-t-butyl ether	4.498	59	58915	1.886	ug/l	99
33) Tert-Amyl methyl ether	5.935	73	51675	1.861	ug/l	98
34) Propionitrile	4.790	54	7932	9.783	ug/l #	8
35) Benzene	5.771	78	96128	1.920	ug/l	98
36) 1,2-Dichloroethane	5.793	62	26605	1.850	ug/l	96
37) Trichloroethene	6.539	130	25282	2.008	ug/l	93
38) 1,2-Dichloropropane	6.787	63	24003	1.871	ug/l	96
39) Methacrylonitrile	4.977	41	5217	1.668	ug/l #	81
40) Methyl acrylate	4.848	55	10431	1.840	ug/l #	96
41) Tetrahydrofuran	5.070	42	6754	4.137	ug/l #	90
42) 1-Chlorobutane	5.452	56	41361	1.817	ug/l	98
43) Dibromomethane	6.915	93	12069	1.975	ug/l	92
44) Bromodichloromethane	7.102	83	28144	1.842	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.787	43	60127	9.484	ug/l		98
46) t-1,4-Dichloro-2-butene	10.832	75	9354m	3.040	ug/l		
47) Methyl methacrylate	6.960	69	20589	3.664	ug/l		93
48) Ethyl methacrylate	8.330	69	20547	1.885	ug/l		95
49) Toluene	7.964	92	58436	1.904	ug/l		99
50) t-1,3-Dichloropropene	8.205	75	27085	1.913	ug/l		99
51) cis-1,3-Dichloropropene	7.604	75	34596	1.973	ug/l		97
52) 1,1,2-Trichloroethane	8.394	97	17233	1.944	ug/l		95
53) 1,3-Dichloropropane	8.571	76	29525	1.931	ug/l		94
54) 2-Hexanone	8.681	43	46430	6.980	ug/l		98
55) Dibromochloromethane	8.806	129	15771	1.748	ug/l		90
56) 1,2-Dibromoethane	8.922	107	15417	1.888	ug/l		94
58) Tetrachloroethene	8.549	164	22172	1.883	ug/l		95
59) Chlorobenzene	9.443	112	65299	1.933	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.529	131	19282	1.878	ug/l		98
61) Pentachloroethane	11.420	117	13904	1.927	ug/l		93
62) Hexachloroethane	12.471	117	14016	1.829	ug/l		87
63) Ethyl Benzene	9.565	91	113087	1.909	ug/l		99
64) m/p-Xylenes	9.690	106	84379	3.725	ug/l		100
65) o-Xylene	10.095	106	40750	1.838	ug/l		100
66) Styrene	10.111	104	63582	1.865	ug/l		98
67) Bromoform	10.288	173	7296	1.819	ug/l	#	98
69) Isopropylbenzene	10.481	105	109191	1.881	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.777	83	19173	1.797	ug/l		94
71) 1,2,3-Trichloropropane	10.819	75	17359m	2.155	ug/l		
72) Bromobenzene	10.777	156	23666	1.946	ug/l		99
73) n-propylbenzene	10.902	120	28678	1.870	ug/l		99
74) 2-Chlorotoluene	10.983	126	25817	1.947	ug/l		94
75) 1,3,5-Trimethylbenzene	11.082	105	89812	1.842	ug/l		97
76) 4-Chlorotoluene	11.095	126	26115	1.897	ug/l		100
77) tert-Butylbenzene	11.414	119	84172	1.863	ug/l		98
78) 1,2,4-Trimethylbenzene	11.462	105	91832	1.850	ug/l		100
79) sec-Butylbenzene	11.639	105	121989	1.874	ug/l		100
80) Nitrobenzene	13.208	77	2361	8.808	ug/l	#	86
81) p-Isopropyltoluene	11.790	119	94013	1.839	ug/l		98
82) 1,3-Dichlorobenzene	11.742	146	47539	1.834	ug/l		98
83) 1,4-Dichlorobenzene	11.832	146	46748	1.782	ug/l		94
84) n-Butylbenzene	12.205	91	91116	1.804	ug/l		99
85) 1,2-Dichlorobenzene	12.211	146	45099	1.836	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	12.992	75	2773	1.711	ug/l		94
87) 1,2,4-Trichlorobenzene	13.838	180	26507	1.850	ug/l		97
88) Hexachlorobutadiene	14.018	225	12880	1.880	ug/l		97
89) Naphthalene	14.086	128	51312	1.780	ug/l		99
90) 1,2,3-Trichlorobenzene	14.327	180	23199	1.880	ug/l		98

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

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