Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031822\
Data File : VU047616.D
Acq On : 18 Mar 2022 15:13
Operator : SY/MD
Sample : VU0318WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 19 05:12:40 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031822DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Mar 18 13:19:37 2022
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0318WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.118	96	31024	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	10840	0.937	ug/l	0.00
Spiked Amount 1.000			Recovery =	94.000%		
68) 1,2-Dichlorobenzene-d4	12.195	152	13361	0.953	ug/l	0.00
Spiked Amount 1.000			Recovery =	95.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	20667	1.844	ug/l	100
3) Chloromethane	1.527	50	19377	1.770	ug/l	100
4) Vinyl Chloride	1.607	62	19197	1.806	ug/l	95
5) Bromomethane	1.861	94	9979	1.601	ug/l	99
6) Chloroethane	1.938	64	12031	1.894	ug/l	99
7) Trichlorofluoromethane	2.144	101	27159	1.849	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	15419	1.837	ug/l #	88
9) 1,1-Dichloroethene	2.588	96	15443	1.861	ug/l	92
10) Iodomethane	2.729	142	7445	2.635	ug/l	97
11) Allyl Chloride	2.928	41	19217	1.842	ug/l	97
12) Acrylonitrile	3.327	53	7264	3.967	ug/l	88
13) Acetone	2.646	43	10771	8.649	ug/l	98
14) Carbon Disulfide	2.800	76	48869	1.864	ug/l	98
15) Methylene Chloride	3.051	84	18950	1.499	ug/l	90
16) trans-1,2-Dichloroethene	3.356	96	16218	1.859	ug/l	89
17) 1,1-Dichloroethane	3.874	63	27514	1.858	ug/l	98
18) 2-Butanone	4.729	43	18605	9.593	ug/l	97
19) Cyclohexane	5.391	56	20289m	1.827	ug/l	
20) Methylcyclohexane	6.764	83	22303	1.750	ug/l	96
21) 2,2-Dichloropropane	4.671	77	23859	1.833	ug/l	94
22) cis-1,2-Dichloroethene	4.671	96	17140	1.809	ug/l	90
23) Diethyl Ether	2.382	59	11290	1.862	ug/l	97
24) tert-Butyl Alcohol	3.250	59	9135m	21.849	ug/l	
25) Methyl tert-Butyl Ether	3.372	73	38020	1.882	ug/l	95
26) Bromochloromethane	4.977	128	8769	1.830	ug/l	85
27) Chloroform	5.092	83	30266	1.891	ug/l	99
28) 1,1,1-Trichloroethane	5.321	97	25640	1.845	ug/l	96
29) 1,1-Dichloropropene	5.530	75	21047	1.868	ug/l	96
30) Carbon Tetrachloride	5.530	117	23309	1.882	ug/l	98
31) Isopropyl Ether	4.006	45	35844	1.823	ug/l	91
32) Ethyl-t-butyl ether	4.510	59	36831	1.856	ug/l	95
33) Tert-Amyl methyl ether	5.944	73	33150	1.777	ug/l	97
34) Propionitrile	4.809	54	5479	9.439	ug/l #	97
35) Benzene	5.777	78	62945	1.868	ug/l	98
36) 1,2-Dichloroethane	5.800	62	18443	1.809	ug/l	100
37) Trichloroethene	6.546	130	18442	1.894	ug/l	84
38) 1,2-Dichloropropane	6.793	63	15799	1.820	ug/l	95
39) Methacrylonitrile	4.986	41	4542	1.869	ug/l #	91
40) Methyl acrylate	4.861	55	8255	2.010	ug/l #	96
41) Tetrahydrofuran	5.076	42	4732	3.838	ug/l	98
42) 1-Chlorobutane	5.462	56	26872	1.851	ug/l	99
43) Dibromomethane	6.922	93	9321	1.792	ug/l #	83
44) Bromodichloromethane	7.108	83	21954	1.820	ug/l	96

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	47475	9.131 ug/l	98
46) t-1,4-Dichloro-2-butene	10.835	75	9184m	4.066 ug/l	
47) Methyl methacrylate	6.967	69	14974	3.559 ug/l	92
48) Ethyl methacrylate	8.337	69	14282	1.802 ug/l	88
49) Toluene	7.970	92	38175	1.843 ug/l	99
50) t-1,3-Dichloropropene	8.214	75	19779	1.769 ug/l	94
51) cis-1,3-Dichloropropene	7.610	75	22358	1.817 ug/l	95
52) 1,1,2-Trichloroethane	8.404	97	13586	1.877 ug/l	99
53) 1,3-Dichloropropane	8.578	76	22261	1.889 ug/l	99
54) 2-Hexanone	8.690	43	33380	8.793 ug/l	100
55) Dibromochloromethane	8.812	129	16777	1.835 ug/l	98
56) 1,2-Dibromoethane	8.928	107	13218	1.835 ug/l	96
58) Tetrachloroethene	8.555	164	16910	1.884 ug/l	95
59) Chlorobenzene	9.449	112	44237	1.833 ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.536	131	17004	1.815 ug/l	99
61) Pentachloroethane	11.430	117	14667	1.849 ug/l	89
62) Hexachloroethane	12.475	117	13859	1.760 ug/l #	69
63) Ethyl Benzene	9.571	91	65845	1.741 ug/l	97
64) m/p-Xylenes	9.697	106	52612	3.507 ug/l	93
65) o-Xylene	10.102	106	25796	1.817 ug/l	92
66) Styrene	10.115	104	42951	1.754 ug/l	95
67) Bromoform	10.292	173	10989	1.806 ug/l #	97
69) Isopropylbenzene	10.484	105	67123	1.786 ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.783	83	17538	1.820 ug/l	96
71) 1,2,3-Trichloropropane	10.828	75	15004m	1.972 ug/l	
72) Bromobenzene	10.783	156	21075	1.870 ug/l	77
73) n-propylbenzene	10.906	120	19047	1.746 ug/l	86
74) 2-Chlorotoluene	10.986	126	18165	1.813 ug/l	81
75) 1,3,5-Trimethylbenzene	11.089	105	57083	1.823 ug/l	100
76) 4-Chlorotoluene	11.099	126	19222	1.803 ug/l	71
77) tert-Butylbenzene	11.420	119	58145	1.776 ug/l	90
78) 1,2,4-Trimethylbenzene	11.468	105	57635	1.802 ug/l	95
79) sec-Butylbenzene	11.645	105	77740	1.822 ug/l	98
80) Nitrobenzene	13.211	77	3219	8.178 ug/l #	94
81) p-Isopropyltoluene	11.793	119	62014	1.812 ug/l	95
82) 1,3-Dichlorobenzene	11.745	146	41390	1.859 ug/l	96
83) 1,4-Dichlorobenzene	11.838	146	41977	1.875 ug/l	96
84) n-Butylbenzene	12.208	91	59251	1.858 ug/l	93
85) 1,2-Dichlorobenzene	12.214	146	39319	1.838 ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.999	75	2871	1.766 ug/l #	71
87) 1,2,4-Trichlorobenzene	13.841	180	27916	1.828 ug/l	99
88) Hexachlorobutadiene	14.021	225	16586	1.809 ug/l	98
89) Naphthalene	14.089	128	41293	1.592 ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	25623	1.780 ug/l	96

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

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