Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081022\
Data File : VU050216.D
Acq On : 10 Aug 2022 14:01
Operator : SY/MD
Sample : VU0810WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 10 16:27:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081022DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Aug 10 15:54:10 2022
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0810WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/11/2022
Supervised By :Mahesh Dadoda 08/11/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.115	96	30851	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	10018	0.947	ug/l	0.00
Spiked Amount 1.000			Recovery =	95.000%		
68) 1,2-Dichlorobenzene-d4	12.192	152	9795	0.916	ug/l	0.00
Spiked Amount 1.000			Recovery =	92.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	20246	1.822	ug/l	96
3) Chloromethane	1.517	50	26380	1.893	ug/l	99
4) Vinyl Chloride	1.601	62	23902	1.932	ug/l	98
5) Bromomethane	1.855	94	9415	2.527	ug/l	97
6) Chloroethane	1.932	64	13788	1.843	ug/l	99
7) Trichlorofluoromethane	2.134	101	24997	1.842	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	13311	1.846	ug/l	98
9) 1,1-Dichloroethene	2.578	96	15368	1.879	ug/l	94
10) Iodomethane	2.719	142	8313	1.219	ug/l	95
11) Allyl Chloride	2.922	41	21635	1.908	ug/l	97
12) Acrylonitrile	3.334	53	8665	3.994	ug/l	95
13) Acetone	2.662	43	14175	8.743	ug/l #	87
14) Carbon Disulfide	2.790	76	57929	1.869	ug/l	100
15) Methylene Chloride	3.041	84	23603	1.926	ug/l	87
16) trans-1,2-Dichloroethene	3.353	96	17673	1.952	ug/l	93
17) 1,1-Dichloroethane	3.871	63	34035	1.991	ug/l	99
18) 2-Butanone	4.729	43	23399	8.915	ug/l	98
19) Cyclohexane	5.388	56	18125	1.586	ug/l #	83
20) Methylcyclohexane	6.761	83	20546	1.830	ug/l	98
21) 2,2-Dichloropropane	4.665	77	23154	1.799	ug/l	99
22) cis-1,2-Dichloroethene	4.671	96	19501	1.910	ug/l	99
23) Diethyl Ether	2.375	59	14040	1.924	ug/l	96
24) tert-Butyl Alcohol	3.186	59	14272m	25.876	ug/l	
25) Methyl tert-Butyl Ether	3.366	73	40756	1.941	ug/l	97
26) Bromochloromethane	4.977	128	9541	2.024	ug/l	94
27) Chloroform	5.089	83	34377	1.951	ug/l	98
28) 1,1,1-Trichloroethane	5.317	97	26839	1.936	ug/l	99
29) 1,1-Dichloropropene	5.526	75	21815	1.896	ug/l	98
30) Carbon Tetrachloride	5.526	117	21055	1.848	ug/l	95
31) Isopropyl Ether	3.993	45	45307	1.957	ug/l	91
32) Ethyl-t-butyl ether	4.504	59	43154	1.949	ug/l	98
33) Tert-Amyl methyl ether	5.941	73	36906	1.888	ug/l	98
34) Propionitrile	4.809	54	9086	9.793	ug/l #	78
35) Benzene	5.774	78	75274	1.974	ug/l	98
36) 1,2-Dichloroethane	5.797	62	22216	2.017	ug/l	100
37) Trichloroethene	6.542	130	17282	1.909	ug/l	94
38) 1,2-Dichloropropane	6.793	63	20845	1.996	ug/l	98
39) Methacrylonitrile	4.983	41	5711	1.966	ug/l	95
40) Methyl acrylate	4.854	55	11342	2.011	ug/l #	90
41) Tetrahydrofuran	5.076	42	6514	3.760	ug/l	99
42) 1-Chlorobutane	5.459	56	30722	1.914	ug/l	95
43) Dibromomethane	6.922	93	10709	1.980	ug/l	98
44) Bromodichloromethane	7.108	83	25088	1.976	ug/l	98

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Instrument :
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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	57574	9.595	ug/l		99
46) t-1,4-Dichloro-2-butene	10.828	75	10014m	4.220	ug/l		
47) Methyl methacrylate	6.964	69	18930	4.031	ug/l		88
48) Ethyl methacrylate	8.337	69	16214	1.883	ug/l		93
49) Toluene	7.970	92	40673	1.887	ug/l		95
50) t-1,3-Dichloropropene	8.214	75	21596	1.943	ug/l		95
51) cis-1,3-Dichloropropene	7.610	75	25310	1.925	ug/l		92
52) 1,1,2-Trichloroethane	8.401	97	15060	1.952	ug/l		96
53) 1,3-Dichloropropane	8.578	76	25402	1.952	ug/l		98
54) 2-Hexanone	8.690	43	38717	9.146	ug/l		98
55) Dibromochloromethane	8.812	129	16572	1.933	ug/l		99
56) 1,2-Dibromoethane	8.925	107	14217	2.008	ug/l		98
58) Tetrachloroethene	8.552	164	14786	1.928	ug/l		96
59) Chlorobenzene	9.449	112	44147	1.929	ug/l		95
60) 1,1,1,2-Tetrachloroethane	9.536	131	17241	1.923	ug/l		98
61) Pentachloroethane	11.430	117	14068	1.934	ug/l		93
62) Hexachloroethane	12.475	117	10278	1.790	ug/l		99
63) Ethyl Benzene	9.571	91	67454	1.816	ug/l		99
64) m/p-Xylenes	9.693	106	51947	3.681	ug/l		96
65) o-Xylene	10.102	106	26397	1.915	ug/l		96
66) Styrene	10.115	104	40193	1.826	ug/l		97
67) Bromoform	10.292	173	9281	1.873	ug/l		100
69) Isopropylbenzene	10.484	105	62647	1.820	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.783	83	19992	1.927	ug/l		99
71) 1,2,3-Trichloropropane	10.822	75	13526m	1.775	ug/l		
72) Bromobenzene	10.783	156	17752	1.891	ug/l		99
73) n-propylbenzene	10.906	120	14884	1.741	ug/l		97
74) 2-Chlorotoluene	10.986	126	16600	1.891	ug/l		95
75) 1,3,5-Trimethylbenzene	11.089	105	52993	1.805	ug/l		99
76) 4-Chlorotoluene	11.099	126	16509	1.901	ug/l		88
77) tert-Butylbenzene	11.420	119	52042	1.787	ug/l		97
78) 1,2,4-Trimethylbenzene	11.468	105	53419	1.785	ug/l		98
79) sec-Butylbenzene	11.645	105	61939	1.751	ug/l		99
80) Nitrobenzene	13.214	77	3539	8.704	ug/l	#	95
81) p-Isopropyltoluene	11.793	119	48486	1.729	ug/l		99
82) 1,3-Dichlorobenzene	11.748	146	32444	1.823	ug/l		99
83) 1,4-Dichlorobenzene	11.838	146	32024	1.852	ug/l		98
84) n-Butylbenzene	12.211	91	42823	1.757	ug/l		96
85) 1,2-Dichlorobenzene	12.214	146	32621	1.890	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	12.999	75	2871	1.803	ug/l		96
87) 1,2,4-Trichlorobenzene	13.841	180	17702	1.834	ug/l		98
88) Hexachlorobutadiene	14.021	225	10330	1.830	ug/l		99
89) Naphthalene	14.089	128	32462	1.630	ug/l		99
90) 1,2,3-Trichlorobenzene	14.330	180	18300	1.842	ug/l		95

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

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