Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081922\
Data File : VU050380.D
Acq On : 19 Aug 2022 20:29
Operator : SY/MD
Sample : VU0819WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 25 20:09:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Aug 25 14:01:59 2022
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0819WBS01

Manual Integrations APPROVED

Reviewed By :Krupa Patel 08/30/2022
Supervised By :Mahesh Dadoda 09/09/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.099	96	35136	1.000	ug/l	#-0.02
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	10663	0.891	ug/l	0.00
Spiked Amount 1.000			Recovery =	89.000%		
68) 1,2-Dichlorobenzene-d4	12.198	152	13153	0.930	ug/l	0.00
Spiked Amount 1.000			Recovery =	93.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	23678	1.627	ug/l	100
3) Chloromethane	1.520	50	30554	1.726	ug/l	100
4) Vinyl Chloride	1.604	62	27074	1.790	ug/l	99
5) Bromomethane	1.858	94	8795	1.421	ug/l	89
6) Chloroethane	1.935	64	16715	1.827	ug/l	99
7) Trichlorofluoromethane	2.141	101	32463	1.720	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	16266	1.541	ug/l	96
9) 1,1-Dichloroethene	2.584	96	18667	1.804	ug/l	92
10) Iodomethane	2.726	142	6176	0.724	ug/l	99
11) Allyl Chloride	2.932	41	28663	1.797	ug/l	100
12) Acrylonitrile	3.340	53	11147m	3.592	ug/l	
13) Acetone	2.642	43	23089m	10.637	ug/l	
14) Carbon Disulfide	2.797	76	56283	1.756	ug/l	97
15) Methylene Chloride	3.054	84	24701	1.764	ug/l	98
16) trans-1,2-Dichloroethene	3.359	96	19594	1.832	ug/l	97
17) 1,1-Dichloroethane	3.877	63	41806	1.877	ug/l	99
18) 2-Butanone	4.755	43	35792m	10.484	ug/l	
19) Cyclohexane	5.362	56	26537m	1.642	ug/l	
20) Methylcyclohexane	6.796	83	16729	1.313	ug/l	95
21) 2,2-Dichloropropane	4.668	77	26978	1.593	ug/l	97
22) cis-1,2-Dichloroethene	4.671	96	22398	1.851	ug/l	99
23) Diethyl Ether	2.385	59	16291	1.833	ug/l	100
24) tert-Butyl Alcohol	3.218	59	25897m	23.019	ug/l	
25) Methyl tert-Butyl Ether	3.388	73	50574	1.840	ug/l	97
26) Bromochloromethane	4.973	128	8832	1.819	ug/l	92
27) Chloroform	5.086	83	40385	1.871	ug/l	95
28) 1,1,1-Trichloroethane	5.301	97	32912	1.787	ug/l	97
29) 1,1-Dichloropropene	5.501	75	25334	1.717	ug/l	96
30) Carbon Tetrachloride	5.497	117	26813	1.818	ug/l	92
31) Isopropyl Ether	4.028	45	60932	1.763	ug/l	94
32) Ethyl-t-butyl ether	4.536	59	48305	1.779	ug/l	98
33) Tert-Amyl methyl ether	5.948	73	32920	1.860	ug/l #	96
34) Propionitrile	4.822	54	11623m	11.526	ug/l	
35) Benzene	5.748	78	73537	1.695	ug/l	99
36) 1,2-Dichloroethane	5.780	62	25957	1.960	ug/l #	95
37) Trichloroethene	6.558	130	18471	1.776	ug/l	94
38) 1,2-Dichloropropane	6.835	63	20099	1.726	ug/l	96
39) Methacrylonitrile	4.999	41	7950	1.921	ug/l	95
40) Methyl acrylate	4.877	55	11981	1.901	ug/l #	96
41) Tetrahydrofuran	5.089	42	9289m	4.483	ug/l	
42) 1-Chlorobutane	5.440	56	36178	1.722	ug/l	96
43) Dibromomethane	6.964	93	11075	1.765	ug/l	96
44) Bromodichloromethane	7.147	83	26428	1.785	ug/l	99

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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	7.838	43	49842	7.912	ug/l	95
46) t-1,4-Dichloro-2-butene	10.832	75	11984m	3.626	ug/l	
47) Methyl methacrylate	7.015	69	14551	3.363	ug/l	93
48) Ethyl methacrylate	8.362	69	12651	1.676	ug/l	95
49) Toluene	7.996	92	36988	1.587	ug/l	96
50) t-1,3-Dichloropropene	8.237	75	18955	1.644	ug/l	100
51) cis-1,3-Dichloropropene	7.639	75	21641	1.639	ug/l	94
52) 1,1,2-Trichloroethane	8.427	97	16990	1.842	ug/l	96
53) 1,3-Dichloropropane	8.600	76	24841	1.710	ug/l	99
54) 2-Hexanone	8.716	43	32573	7.425	ug/l	93
55) Dibromochloromethane	8.828	129	17503	1.725	ug/l	98
56) 1,2-Dibromoethane	8.944	107	14618	1.765	ug/l	97
58) Tetrachloroethene	8.571	164	16854	1.723	ug/l	97
59) Chlorobenzene	9.462	112	42221	1.679	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.545	131	19072	1.804	ug/l	96
61) Pentachloroethane	11.433	117	15732	1.789	ug/l	91
62) Hexachloroethane	12.478	117	12318	1.683	ug/l	98
63) Ethyl Benzene	9.584	91	57668	1.639	ug/l	96
64) m/p-Xylenes	9.706	106	44440	3.165	ug/l	98
65) o-Xylene	10.108	106	22786	1.661	ug/l	99
66) Styrene	10.124	104	37308	1.647	ug/l	97
67) Bromoform	10.301	173	9842	1.708	ug/l	98
69) Isopropylbenzene	10.491	105	57574	1.662	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.790	83	22321	1.758	ug/l	98
71) 1,2,3-Trichloropropane	10.832	75	11388m	1.193	ug/l	
72) Bromobenzene	10.790	156	18374	1.692	ug/l	94
73) n-propylbenzene	10.912	120	14136	1.550	ug/l	98
74) 2-Chlorotoluene	10.992	126	16021	1.615	ug/l	90
75) 1,3,5-Trimethylbenzene	11.092	105	49178	1.572	ug/l	100
76) 4-Chlorotoluene	11.105	126	15595	1.543	ug/l	95
77) tert-Butylbenzene	11.426	119	50031	1.630	ug/l	95
78) 1,2,4-Trimethylbenzene	11.471	105	46782	1.515	ug/l	94
79) sec-Butylbenzene	11.648	105	62704	1.583	ug/l	100
80) Nitrobenzene	13.214	77	5307	7.707	ug/l	97
81) p-Isopropyltoluene	11.796	119	47621	1.561	ug/l	97
82) 1,3-Dichlorobenzene	11.751	146	38415	1.718	ug/l	97
83) 1,4-Dichlorobenzene	11.841	146	36670	1.650	ug/l	99
84) n-Butylbenzene	12.211	91	43461	1.542	ug/l	95
85) 1,2-Dichlorobenzene	12.217	146	37012	1.684	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.996	75	3322	1.658	ug/l	88
87) 1,2,4-Trichlorobenzene	13.844	180	18639	1.487	ug/l	97
88) Hexachlorobutadiene	14.021	225	11944	1.464	ug/l	99
89) Naphthalene	14.089	128	32445	1.823	ug/l	99
90) 1,2,3-Trichlorobenzene	14.333	180	18124	1.556	ug/l	98

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

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