Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101822\
Data File : VU051440.D
Acq On : 18 Oct 2022 14:20
Operator : JC/MD
Sample : VU1018WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/25/2022
Supervised By :Mahesh Dadoda 10/25/2022

Quant Time: Oct 19 02:48:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Oct 18 04:53:19 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.112	96	51592	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	17356	0.959	ug/l	0.00
Spiked Amount 1.000			Recovery = 96.000%			
68) 1,2-Dichlorobenzene-d4	12.192	152	19159	0.948	ug/l	0.00
Spiked Amount 1.000			Recovery = 95.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	32352	1.796	ug/l	99
3) Chloromethane	1.533	50	51263	1.806	ug/l	99
4) Vinyl Chloride	1.601	62	44383	1.806	ug/l	99
5) Bromomethane	1.851	94	29607	2.161	ug/l	96
6) Chloroethane	1.932	64	24713m	1.764	ug/l	
7) Trichlorofluoromethane	2.138	101	48720	1.774	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	27629	1.824	ug/l	96
9) 1,1-Dichloroethene	2.578	96	30022	1.896	ug/l	94
10) Iodomethane	2.720	142	39563	1.928	ug/l	99
11) Allyl Chloride	2.919	41	45374	1.879	ug/l	99
12) Acrylonitrile	3.314	53	17483	3.753	ug/l	92
13) Acetone	2.626	43	29755	8.869	ug/l	99
14) Carbon Disulfide	2.790	76	107964	1.914	ug/l	99
15) Methylene Chloride	3.041	84	49323	2.265	ug/l	96
16) trans-1,2-Dichloroethene	3.346	96	35082	1.932	ug/l	98
17) 1,1-Dichloroethane	3.864	63	62032	1.900	ug/l	99
18) 2-Butanone	4.716	43	35788	8.791	ug/l	97
19) Cyclohexane	5.382	56	33905m	1.676	ug/l	
20) Methylcyclohexane	6.761	83	30715	1.770	ug/l	89
21) 2,2-Dichloropropane	4.662	77	41157	1.806	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	33112	1.928	ug/l	98
23) Diethyl Ether	2.375	59	26199	1.895	ug/l	97
24) tert-Butyl Alcohol	3.189	59	25565	17.633	ug/l	100
25) Methyl tert-Butyl Ether	3.366	73	80255	1.949	ug/l	100
26) Bromochloromethane	4.973	128	16200	1.935	ug/l	98
27) Chloroform	5.086	83	63009	1.906	ug/l	99
28) 1,1,1-Trichloroethane	5.314	97	49432	1.873	ug/l	99
29) 1,1-Dichloropropene	5.523	75	34498	1.707	ug/l	95
30) Carbon Tetrachloride	5.520	117	40700	1.828	ug/l	98
31) Isopropyl Ether	3.999	45	71769	1.859	ug/l	94
32) Ethyl-t-butyl ether	4.507	59	65369	1.854	ug/l	99
33) Tert-Amyl methyl ether	5.944	73	54751	1.767	ug/l	96
34) Propionitrile	4.784	54	13593	9.932	ug/l #	96
35) Benzene	5.771	78	127201	1.876	ug/l	100
36) 1,2-Dichloroethane	5.797	62	40912	1.955	ug/l	100
37) Trichloroethene	6.539	130	29604	1.860	ug/l	99
38) 1,2-Dichloropropane	6.793	63	35082	1.885	ug/l	94
39) Methacrylonitrile	4.980	41	9176	1.962	ug/l	93
40) Methyl acrylate	4.858	55	14410m	1.932	ug/l	
41) Tetrahydrofuran	5.063	42	9135	3.719	ug/l	94
42) 1-Chlorobutane	5.456	56	48759	1.768	ug/l	94
43) Dibromomethane	6.915	93	18162	1.881	ug/l	98
44) Bromodichloromethane	7.105	83	44170	1.890	ug/l	98

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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	7.793	43	79870	8.689	ug/l	96
46) t-1,4-Dichloro-2-butene	10.825	75	21877m	4.264	ug/l	
47) Methyl methacrylate	6.964	69	24966	3.611	ug/l	96
48) Ethyl methacrylate	8.337	69	21719	1.884	ug/l	98
49) Toluene	7.967	92	65949	1.773	ug/l	100
50) t-1,3-Dichloropropene	8.211	75	32992	1.755	ug/l	98
51) cis-1,3-Dichloropropene	7.607	75	41174	1.858	ug/l	98
52) 1,1,2-Trichloroethane	8.401	97	26416	1.916	ug/l	96
53) 1,3-Dichloropropane	8.575	76	43613	1.963	ug/l	97
54) 2-Hexanone	8.684	43	54934	9.195	ug/l	90
55) Dibromochloromethane	8.809	129	30289	2.020	ug/l	94
56) 1,2-Dibromoethane	8.922	107	23261	1.919	ug/l	94
58) Tetrachloroethene	8.552	164	25703	1.853	ug/l	98
59) Chlorobenzene	9.446	112	73055	1.789	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.533	131	30048	1.921	ug/l	99
61) Pentachloroethane	11.427	117	27821	1.996	ug/l	90
62) Hexachloroethane	12.475	117	25252	1.907	ug/l	100
63) Ethyl Benzene	9.568	91	102987	1.840	ug/l	97
64) m/p-Xylenes	9.694	106	80387	3.489	ug/l	98
65) o-Xylene	10.099	106	40839	1.812	ug/l	98
66) Styrene	10.115	104	63899	1.740	ug/l	98
67) Bromoform	10.288	173	15685	1.864	ug/l	97
69) Isopropylbenzene	10.481	105	100117	1.838	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.780	83	35401	1.899	ug/l	98
71) 1,2,3-Trichloropropane	10.822	75	28235m	2.038	ug/l	
72) Bromobenzene	10.780	156	29441	1.813	ug/l	99
73) n-propylbenzene	10.906	120	26507	1.751	ug/l	97
74) 2-Chlorotoluene	10.986	126	27512	1.741	ug/l	97
75) 1,3,5-Trimethylbenzene	11.086	105	85336	1.712	ug/l	98
76) 4-Chlorotoluene	11.099	126	27551	1.754	ug/l	92
77) tert-Butylbenzene	11.420	119	87267	1.667	ug/l	98
78) 1,2,4-Trimethylbenzene	11.468	105	89901	1.737	ug/l	99
79) sec-Butylbenzene	11.642	105	113436	1.759	ug/l	99
80) Nitrobenzene	13.211	77	7474m	8.095	ug/l	
81) p-Isopropyltoluene	11.793	119	87411	1.730	ug/l	98
82) 1,3-Dichlorobenzene	11.745	146	64523	1.850	ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	62054	1.818	ug/l	99
84) n-Butylbenzene	12.208	91	81615	1.701	ug/l	98
85) 1,2-Dichlorobenzene	12.211	146	61692	1.795	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	4831	1.657	ug/l	94
87) 1,2,4-Trichlorobenzene	13.841	180	29759	1.598	ug/l	98
88) Hexachlorobutadiene	14.021	225	20770	1.711	ug/l	98
89) Naphthalene	14.089	128	51298	1.317	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	29146	1.431	ug/l	99

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

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