Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082522\
Data File : VU050441.D
Acq On : 25 Aug 2022 11:53
Operator : SY/MD
Sample : VU0825WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0825WBSD01

Quant Time: Aug 26 06:34:49 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.106	96	33161	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	12122	1.074	ug/l	0.00
Spiked Amount 1.000			Recovery = 107.000%			
68) 1,2-Dichlorobenzene-d4	12.195	152	14501	1.086	ug/l	0.00
Spiked Amount 1.000			Recovery = 109.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	28743	2.093	ug/l	99
3) Chloromethane	1.517	50	36974	2.213	ug/l	97
4) Vinyl Chloride	1.601	62	31210	2.186	ug/l	99
5) Bromomethane	1.855	94	13549	2.319	ug/l	95
6) Chloroethane	1.932	64	19537	2.263	ug/l	99
7) Trichlorofluoromethane	2.138	101	38173	2.143	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.582	101	20748	2.083	ug/l	98
9) 1,1-Dichloroethene	2.582	96	21058	2.156	ug/l	99
10) Iodomethane	2.726	142	15293	1.899	ug/l	97
11) Allyl Chloride	2.926	41	33370	2.217	ug/l	99
12) Acrylonitrile	3.327	53	11089	3.786	ug/l	91
13) Acetone	2.639	43	16246	7.930	ug/l	89
14) Carbon Disulfide	2.794	76	60894	2.013	ug/l	100
15) Methylene Chloride	3.048	84	30787	2.330	ug/l	99
16) trans-1,2-Dichloroethene	3.356	96	22847	2.264	ug/l	99
17) 1,1-Dichloroethane	3.871	63	47736	2.271	ug/l	99
18) 2-Butanone	4.742	43	29259	9.081	ug/l	96
19) Cyclohexane	5.353	56	35600m	2.333	ug/l	
20) Methylcyclohexane	6.787	83	24559	2.042	ug/l	96
21) 2,2-Dichloropropane	4.662	77	33239	2.080	ug/l	100
22) cis-1,2-Dichloroethene	4.665	96	25142	2.202	ug/l	93
23) Diethyl Ether	2.379	59	18941	2.258	ug/l	97
24) tert-Butyl Alcohol	3.202	59	26739	25.182	ug/l #	82
25) Methyl tert-Butyl Ether	3.379	73	57332	2.210	ug/l	95
26) Bromochloromethane	4.967	128	9842	2.148	ug/l	86
27) Chloroform	5.077	83	45940	2.255	ug/l	98
28) 1,1,1-Trichloroethane	5.292	97	37488	2.156	ug/l	97
29) 1,1-Dichloropropene	5.495	75	31409	2.255	ug/l	97
30) Carbon Tetrachloride	5.491	117	30755	2.210	ug/l	95
31) Isopropyl Ether	4.016	45	73182	2.244	ug/l	94
32) Ethyl-t-butyl ether	4.527	59	57294	2.236	ug/l	100
33) Tert-Amyl methyl ether	5.954	73	35547	2.128	ug/l	98
34) Propionitrile	4.807	54	9036	9.494	ug/l #	89
35) Benzene	5.752	78	89647	2.190	ug/l	99
36) 1,2-Dichloroethane	5.787	62	27938	2.235	ug/l	100
37) Trichloroethene	6.556	130	21622	2.203	ug/l	94
38) 1,2-Dichloropropane	6.829	63	24425	2.223	ug/l	99
39) Methacrylonitrile	4.990	41	8733	2.236	ug/l	96
40) Methyl acrylate	4.864	55	12655	2.127	ug/l #	94
41) Tetrahydrofuran	5.080	42	6664	3.408	ug/l	88
42) 1-Chlorobutane	5.434	56	44135	2.226	ug/l	97
43) Dibromomethane	6.951	93	13482	2.276	ug/l	96
44) Bromodichloromethane	7.134	83	31097	2.225	ug/l	97

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Aug 25 14:01:59 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.826	43	65615	11.036	ug/l	96
46) t-1,4-Dichloro-2-butene	10.838	75	9468m	3.121	ug/l	
47) Methyl methacrylate	7.003	69	18779	4.225	ug/l	96
48) Ethyl methacrylate	8.359	69	15801	2.039	ug/l	97
49) Toluene	7.986	92	46260	2.103	ug/l	96
50) t-1,3-Dichloropropene	8.231	75	23236	2.135	ug/l	95
51) cis-1,3-Dichloropropene	7.633	75	26766	2.148	ug/l	93
52) 1,1,2-Trichloroethane	8.421	97	20062	2.305	ug/l	99
53) 1,3-Dichloropropane	8.594	76	30979	2.260	ug/l	99
54) 2-Hexanone	8.713	43	43892	10.601	ug/l	91
55) Dibromochloromethane	8.822	129	21035	2.197	ug/l	99
56) 1,2-Dibromoethane	8.938	107	17048	2.180	ug/l	99
58) Tetrachloroethene	8.565	164	20200	2.187	ug/l	96
59) Chlorobenzene	9.456	112	52858	2.227	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.543	131	21171	2.122	ug/l	98
61) Pentachloroethane	11.430	117	18180	2.190	ug/l	94
62) Hexachloroethane	12.475	117	14337	2.076	ug/l	97
63) Ethyl Benzene	9.578	91	75632	2.055	ug/l	100
64) m/p-Xylenes	9.700	106	59000	4.012	ug/l	97
65) o-Xylene	10.109	106	28607	2.041	ug/l	99
66) Styrene	10.121	104	47217	2.004	ug/l	98
67) Bromoform	10.298	173	11861	2.181	ug/l	100
69) Isopropylbenzene	10.488	105	75224	2.082	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.790	83	25964	2.167	ug/l	98
71) 1,2,3-Trichloropropane	10.832	75	18669m	2.072	ug/l	
72) Bromobenzene	10.787	156	22663	2.212	ug/l	96
73) n-propylbenzene	10.912	120	18405	1.914	ug/l	96
74) 2-Chlorotoluene	10.993	126	21076	2.097	ug/l	86
75) 1,3,5-Trimethylbenzene	11.092	105	66761	2.032	ug/l	100
76) 4-Chlorotoluene	11.102	126	20793	2.014	ug/l	82
77) tert-Butylbenzene	11.424	119	65546	2.071	ug/l	97
78) 1,2,4-Trimethylbenzene	11.472	105	67498	2.017	ug/l	98
79) sec-Butylbenzene	11.645	105	86379	2.059	ug/l	99
80) Nitrobenzene	13.218	77	8174	12.577	ug/l	98
81) p-Isopropyltoluene	11.797	119	67049	2.031	ug/l	99
82) 1,3-Dichlorobenzene	11.748	146	48849	2.315	ug/l	98
83) 1,4-Dichlorobenzene	11.838	146	48501	2.312	ug/l	99
84) n-Butylbenzene	12.211	91	66688	2.140	ug/l	95
85) 1,2-Dichlorobenzene	12.215	146	47867	2.308	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.999	75	4095	2.166	ug/l	93
87) 1,2,4-Trichlorobenzene	13.842	180	26795	2.264	ug/l	99
88) Hexachlorobutadiene	14.022	225	16964	2.203	ug/l	97
89) Naphthalene	14.089	128	54363	2.492	ug/l	100
90) 1,2,3-Trichlorobenzene	14.333	180	27103	2.178	ug/l	98

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

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