Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081722\
Data File : VU050363.D
Acq On : 17 Aug 2022 19:25
Operator : SY/MD
Sample : N3980-07 0.8ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2022

Quant Time: Aug 18 07:59:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081722DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Aug 18 07:58:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.150	96	34502	1.000	ug/l	# 0.03
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	10090	0.850	ug/l	0.00
Spiked Amount 1.000			Recovery =	85.000%		
68) 1,2-Dichlorobenzene-d4	12.195	152	12830	0.911	ug/l	0.00
Spiked Amount 1.000			Recovery =	91.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	8264	0.611	ug/l	97
3) Chloromethane	1.520	50	13343	0.822	ug/l	98
4) Vinyl Chloride	1.604	62	10571	0.722	ug/l	98
5) Bromomethane	1.858	94	5857	0.923	ug/l	96
6) Chloroethane	1.935	64	7634	0.846	ug/l	99
7) Trichlorofluoromethane	2.137	101	12062	0.700	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	6069	0.651	ug/l	96
9) 1,1-Dichloroethene	2.578	96	7416	0.767	ug/l	93
10) Iodomethane	2.719	142	6602	0.722	ug/l	99
11) Allyl Chloride	2.925	41	13138	0.827	ug/l	96
12) Acrylonitrile	3.346	53	4395	1.373	ug/l #	90
13) Acetone	2.633	43	6795	2.460	ug/l #	74
14) Carbon Disulfide	2.790	76	25235	0.762	ug/l	100
15) Methylene Chloride	3.054	84	19694	1.005	ug/l	97
16) trans-1,2-Dichloroethene	3.372	96	9115	0.853	ug/l	91
17) 1,1-Dichloroethane	3.890	63	17498	0.840	ug/l	97
18) 2-Butanone	4.758	43	12963	3.813	ug/l	99
19) Cyclohexane	5.359	56	9324m	0.738	ug/l	
20) Methylcyclohexane	6.793	83	5944	0.488	ug/l	91
21) 2,2-Dichloropropane	4.678	77	12165	0.788	ug/l	99
22) cis-1,2-Dichloroethene	4.684	96	9566	0.846	ug/l	93
23) Diethyl Ether	2.379	59	6962	0.743	ug/l	92
24) tert-Butyl Alcohol	3.240	59	5914	4.895	ug/l	96
25) Methyl tert-Butyl Ether	3.401	73	23020	0.839	ug/l	99
26) Bromochloromethane	4.980	128	3750	0.735	ug/l	92
27) Chloroform	5.092	83	16417	0.796	ug/l	98
28) 1,1,1-Trichloroethane	5.301	97	13763	0.857	ug/l	96
29) 1,1-Dichloropropene	5.501	75	11041	0.877	ug/l	92
30) Carbon Tetrachloride	5.497	117	10213	0.779	ug/l	96
31) Isopropyl Ether	4.034	45	27801	0.895	ug/l	94
32) Ethyl-t-butyl ether	4.542	59	22975	0.920	ug/l	98
33) Tert-Amyl methyl ether	5.973	73	12925	0.744	ug/l	97
34) Propionitrile	4.825	54	3618	3.190	ug/l #	72
35) Benzene	5.764	78	33992	0.825	ug/l	100
36) 1,2-Dichloroethane	5.800	62	10978	0.845	ug/l	99
37) Trichloroethene	6.581	130	7931	0.789	ug/l	97
38) 1,2-Dichloropropane	6.832	63	9027	0.785	ug/l	94
39) Methacrylonitrile	5.009	41	3362	0.923	ug/l #	92
40) Methyl acrylate	4.877	55	5340	0.839	ug/l #	85
41) Tetrahydrofuran	5.083	42	2785	1.359	ug/l	89
42) 1-Chlorobutane	5.440	56	15393	0.870	ug/l	97
43) Dibromomethane	6.957	93	4599	0.727	ug/l	92
44) Bromodichloromethane	7.144	83	11163	0.766	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.835	43	21088	3.044	ug/l		98
46) t-1,4-Dichloro-2-butene	10.841	75	2706m	1.186	ug/l		
47) Methyl methacrylate	7.009	69	6303	1.235	ug/l		92
48) Ethyl methacrylate	8.362	69	5488	0.613	ug/l		93
49) Toluene	7.992	92	14343	0.617	ug/l		91
50) t-1,3-Dichloropropene	8.234	75	8466	0.702	ug/l		98
51) cis-1,3-Dichloropropene	7.639	75	9416	0.690	ug/l		92
52) 1,1,2-Trichloroethane	8.427	97	7480	0.791	ug/l		94
53) 1,3-Dichloropropane	8.597	76	10996	0.752	ug/l		99
54) 2-Hexanone	8.713	43	14679	3.117	ug/l		91
55) Dibromochloromethane	8.828	129	7399	0.737	ug/l		94
56) 1,2-Dibromoethane	8.941	107	7008	0.859	ug/l		91
58) Tetrachloroethene	8.571	164	7247	0.765	ug/l		92
59) Chlorobenzene	9.462	112	17842	0.707	ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.549	131	8131	0.792	ug/l		95
61) Pentachloroethane	11.433	117	6126	0.731	ug/l		98
62) Hexachloroethane	12.478	117	4595	0.654	ug/l		93
63) Ethyl Benzene	9.581	91	24082	0.609	ug/l		100
64) m/p-Xylenes	9.703	106	16685	1.079	ug/l		98
65) o-Xylene	10.108	106	8794	0.595	ug/l		98
66) Styrene	10.124	104	13990	0.567	ug/l		96
67) Bromoform	10.298	173	4055	0.705	ug/l		97
69) Isopropylbenzene	10.491	105	20839	0.553	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.790	83	9691	0.757	ug/l		99
71) 1,2,3-Trichloropropane	10.832	75	3911m	0.428	ug/l		
72) Bromobenzene	10.790	156	7097	0.673	ug/l		94
73) n-propylbenzene	10.912	120	5036	0.505	ug/l		89
74) 2-Chlorotoluene	10.992	126	5984	0.612	ug/l		86
75) 1,3,5-Trimethylbenzene	11.092	105	17966	0.545	ug/l		100
76) 4-Chlorotoluene	11.105	126	5999	0.602	ug/l		82
77) tert-Butylbenzene	11.426	119	19944	0.607	ug/l		91
78) 1,2,4-Trimethylbenzene	11.471	105	17986	0.519	ug/l		95
79) sec-Butylbenzene	11.645	105	22731	0.515	ug/l		99
80) Nitrobenzene	13.217	77	2597	3.291	ug/l	#	94
81) p-Isopropyltoluene	11.796	119	18044	0.308	ug/l		96
82) 1,3-Dichlorobenzene	11.751	146	14083	0.637	ug/l		96
83) 1,4-Dichlorobenzene	11.841	146	14106	0.620	ug/l		97
84) n-Butylbenzene	12.211	91	17817	0.500	ug/l		94
85) 1,2-Dichlorobenzene	12.217	146	14398	0.655	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	13.002	75	1592	0.773	ug/l		87
87) 1,2,4-Trichlorobenzene	13.844	180	8035	0.572	ug/l		99
88) Hexachlorobutadiene	14.024	225	5031	0.626	ug/l		100
89) Naphthalene	14.092	128	16424	0.596	ug/l		98
90) 1,2,3-Trichlorobenzene	14.333	180	8397	0.593	ug/l		93

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

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