Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110921\
Data File : VN069424.D
Acq On : 9 Nov 2021 18:02
Operator : JC/MD
Sample : M4068-07 .2PPB
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021

Manual Integrations APPROVED

Reviewed By :John Carlone 11/11/2021
Supervised By :Semsettin Yesilyurt 11/17/2021

Quant Time: Nov 10 17:40:19 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 10 17:40:16 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.088	168	1121396	50.000	ug/l	#	0.00
34) 1,4-Difluorobenzene	8.971	114	1982458	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.747	117	1715434	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	559822	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.440	65	947951	58.301	ug/l		0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 116.600%				
35) Dibromofluoromethane	8.024	113	626791	52.716	ug/l		0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.440%				
50) Toluene-d8	10.443	98	2463714	52.685	ug/l		0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.380%				
62) 4-Bromofluorobenzene	12.733	95	723690	42.127	ug/l		0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 84.260%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.073	85	1623	0.135	ug/l		100
3) Chloromethane	2.306	50	5269	0.379	ug/l		94
4) Vinyl Chloride	2.448	62	2713	0.195	ug/l		100
5) Bromomethane	2.861	94	5004	0.554	ug/l	#	75
6) Chloroethane	3.022	64	1068	0.114	ug/l	#	85
7) Trichlorofluoromethane	3.376	101	3800	0.177	ug/l	#	83
8) Diethyl Ether	3.639	74	96	0.014	ug/l		71
9) 1,1,2-Trichlorotrifluo...	4.205	101	366	0.036	ug/l	#	44
10) Methyl Iodide	4.419	142	3445m	0.277	ug/l		
11) Tert butyl alcohol	5.393	59	3531m	1.205	ug/l		
12) 1,1-Dichloroethene	4.178	96	727	0.080	ug/l	#	92
14) Allyl chloride	4.840	41	703	0.035	ug/l	#	2
15) Acrylonitrile	5.575	53	6572m	0.876	ug/l		
16) Acetone	4.296	43	13316	1.518	ug/l	#	88
17) Carbon Disulfide	4.524	76	5261	0.245	ug/l		98
18) Methyl Acetate	4.865	43	10127	0.355	ug/l	#	65
19) Methyl tert-butyl Ether	5.624	73	4945	0.129	ug/l	#	82
20) Methylene Chloride	5.098	84	7402	0.595	ug/l	#	86
21) trans-1,2-Dichloroethene	5.589	96	94	0.009	ug/l	#	49
22) Diisopropyl ether	6.495	45	5077	0.117	ug/l	#	79
23) Vinyl Acetate	6.442	43	23965m	0.716	ug/l		
24) 1,1-Dichloroethane	6.385	63	2080	0.094	ug/l	#	83
25) 2-Butanone	7.348	43	15008m	1.263	ug/l		
26) 2,2-Dichloropropane	7.321	77	1984	0.115	ug/l	#	55
27) cis-1,2-Dichloroethene	7.319	96	593	0.047	ug/l	#	1
28) Bromochloromethane	7.662	49	837	0.074	ug/l	#	96
29) Tetrahydrofuran	7.691	42	7783m	1.068	ug/l		
30) Chloroform	7.825	83	4095	0.181	ug/l		94
31) Cyclohexane	8.086	56	33873	1.525	ug/l	#	44
32) 1,1,1-Trichloroethane	8.019	97	1931	0.102	ug/l	#	24
39) Methylcyclohexane	9.461	83	3991	0.192	ug/l	#	84
40) Benzene	8.458	78	8589	0.167	ug/l		91
41) Methacrylonitrile	7.646	41	770	0.066	ug/l	#	29
42) 1,2-Dichloroethane	8.534	62	5581	0.277	ug/l		92
43) Isopropyl Acetate	8.563	43	5940	0.164	ug/l	#	63
44) Trichloroethene	9.212	130	4404	0.357	ug/l		84

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) 1,2-Dichloropropane	9.491	63	2245	0.163 ug/l	90
46) Dibromomethane	9.582	93	1456	0.158 ug/l #	77
47) Bromodichloromethane	9.762	83	2352	0.137 ug/l #	89
48) Methyl methacrylate	9.563	41	2577	0.151 ug/l #	65
51) 4-Methyl-2-Pentanone	10.333	43	17530	0.750 ug/l	99
52) Toluene	10.505	92	11473	0.358 ug/l	95
53) t-1,3-Dichloropropene	10.717	75	2634	0.147 ug/l #	78
54) cis-1,3-Dichloropropene	10.191	75	2099	0.107 ug/l #	80
55) 1,1,2-Trichloroethane	10.899	97	2104	0.163 ug/l #	86
56) Ethyl methacrylate	10.762	69	3366	0.157 ug/l #	67
57) 1,3-Dichloropropane	11.052	76	3570	0.157 ug/l	91
58) 2-Chloroethyl Vinyl ether	10.043	63	5112	1.031 ug/l #	79
59) 2-Hexanone	11.089	43	18662	1.071 ug/l	85
60) Dibromochloromethane	11.240	129	985	0.081 ug/l	59
61) 1,2-Dibromoethane	11.347	107	1689	0.129 ug/l	92
64) Tetrachloroethene	10.974	164	1941	0.187 ug/l	95
65) Chlorobenzene	11.776	112	5922	0.185 ug/l #	82
66) 1,1,1,2-Tetrachloroethane	11.843	131	1433	0.129 ug/l #	41
67) Ethyl Benzene	11.846	91	9330	0.158 ug/l	96
68) m/p-Xylenes	11.950	106	6163	0.285 ug/l	85
69) o-Xylene	12.278	106	3137	0.145 ug/l	89
70) Styrene	12.296	104	4734	0.136 ug/l #	84
71) Bromoform	12.452	173	876	0.111 ug/l #	29
73) Isopropylbenzene	12.578	105	7832	0.176 ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.830	83	3156	0.210 ug/l #	88
77) Bromobenzene	12.865	156	2399	0.235 ug/l	79
78) n-propylbenzene	12.921	91	10659	0.213 ug/l	97
79) 2-Chlorotoluene	13.007	91	6902m	0.222 ug/l	
80) 1,3,5-Trimethylbenzene	13.061	105	6590	0.183 ug/l	95
82) 4-Chlorotoluene	13.106	91	6738	0.228 ug/l	97
83) tert-Butylbenzene	13.329	119	5868	0.186 ug/l	94
84) 1,2,4-Trimethylbenzene	13.369	105	6702	0.193 ug/l #	61
85) sec-Butylbenzene	13.501	105	7600	0.172 ug/l	98
86) p-Isopropyltoluene	13.619	119	6267	0.179 ug/l	93
87) 1,3-Dichlorobenzene	13.616	146	4167	0.236 ug/l	87
88) 1,4-Dichlorobenzene	13.702	146	4923m	0.284 ug/l	
89) n-Butylbenzene	13.946	91	7677	0.263 ug/l	92
90) Hexachloroethane	14.203	117	726	0.126 ug/l	57
91) 1,2-Dichlorobenzene	13.994	146	4666	0.277 ug/l	72
92) 1,2-Dibromo-3-Chloropr...	14.605	75	499	0.205 ug/l #	56
93) 1,2,4-Trichlorobenzene	15.265	180	3414	0.461 ug/l	86
94) Hexachlorobutadiene	15.365	225	874	0.200 ug/l #	54
95) Naphthalene	15.509	128	16425	0.827 ug/l #	97
96) 1,2,3-Trichlorobenzene	15.708	180	4002m	0.564 ug/l	

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

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