

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061521\
 Data File : VN067345.D
 Acq On : 15 Jun 2021 14:35
 Operator : JC/MD
 Sample : M2262-09 .5PPB MDL
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2021DL

Manual Integrations
 APPROVED

MMDadoda
 6/16/2021 5:03:17 PM

Quant Time: Jun 16 04:31:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 16 04:29:50 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	328245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	648553	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	576360	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	222722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	332121	51.290	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.580%			
35) Dibromofluoromethane	8.024	113	210207	48.734	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.460%			
50) Toluene-d8	10.443	98	802092	48.516	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.040%			
62) 4-Bromofluorobenzene	12.736	95	308136	45.163	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 90.320%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.070	85	2490	0.517	ug/l	91
3) Chloromethane	2.303	50	3471	0.697	ug/l	95
4) Vinyl Chloride	2.437	62	3093	0.633	ug/l	95
5) Bromomethane	2.850	94	2416	1.166	ug/l #	55
6) Chloroethane	3.017	64	2206	0.735	ug/l #	64
7) Trichlorofluoromethane	3.376	101	3476m	0.513	ug/l	
8) Diethyl Ether	3.819	74	1320	0.479	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.207	101	2403m	0.589	ug/l	
10) Methyl Iodide	4.411	142	1716m	0.479	ug/l	
11) Tert butyl alcohol	5.404	59	2395	2.247	ug/l	98
12) 1,1-Dichloroethene	4.178	96	2556m	0.649	ug/l	
13) Acrolein	4.036	56	2620m	3.938	ug/l	
14) Allyl chloride	4.832	41	7298m	0.836	ug/l	
15) Acrylonitrile	5.559	53	6595m	2.819	ug/l	
16) Acetone	4.293	43	7203	2.899	ug/l	100
17) Carbon Disulfide	4.521	76	7431	0.584	ug/l	95
18) Methyl Acetate	4.865	43	6526m	1.083	ug/l	
19) Methyl tert-butyl Ether	5.624	73	8573	0.543	ug/l	94
20) Methylene Chloride	5.087	84	6001m	1.161	ug/l	
21) trans-1,2-Dichloroethene	5.589	96	2431m	0.557	ug/l	
22) Diisopropyl ether	6.509	45	7546	0.468	ug/l	89
23) Vinyl Acetate	6.444	43	37688	2.551	ug/l	100
24) 1,1-Dichloroethane	6.396	63	5203	0.575	ug/l #	89
25) 2-Butanone	7.353	43	11556	3.254	ug/l	93
26) 2,2-Dichloropropane	7.332	77	6557	0.715	ug/l	80
27) cis-1,2-Dichloroethene	7.329	96	2862	0.558	ug/l	83
28) Bromochloromethane	7.654	49	2043m	0.485	ug/l	
29) Tetrahydrofuran	7.699	42	6522	2.913	ug/l #	65
30) Chloroform	7.817	83	5368	0.565	ug/l	93
31) Cyclohexane	8.088	56	15182	1.725	ug/l #	51
32) 1,1,1-Trichloroethane	8.016	97	5237	0.600	ug/l #	52
36) 1,1-Dichloropropene	8.225	75	4492	0.618	ug/l	83
37) Ethyl Acetate	7.426	43	5490m	0.713	ug/l	
38) Carbon Tetrachloride	8.212	117	4015m	0.514	ug/l	
39) Methylcyclohexane	9.456	83	3893	0.506	ug/l	89
40) Benzene	8.458	78	11536	0.568	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.646	41	3157m	0.788	ug/l	
42) 1,2-Dichloroethane	8.533	62	5386	0.628	ug/l	87
43) Isopropyl Acetate	8.566	43	7479	0.541	ug/l #	91
44) Trichloroethene	9.217	130	2684	0.566	ug/l	92
45) 1,2-Dichloropropane	9.486	63	2927m	0.541	ug/l	
46) Dibromomethane	9.582	93	2090	0.568	ug/l	92
47) Bromodichloromethane	9.765	83	4219	0.511	ug/l	93
48) Methyl methacrylate	9.566	41	4017	0.637	ug/l #	88
49) 1,4-Dioxane	9.577	88	613	7.104	ug/l #	59
51) 4-Methyl-2-Pentanone	10.336	43	23082	2.900	ug/l	94
52) Toluene	10.502	92	6841	0.536	ug/l	92
53) t-1,3-Dichloropropene	10.719	75	4372	0.478	ug/l	99
54) cis-1,3-Dichloropropene	10.196	75	4742	0.513	ug/l #	92
55) 1,1,2-Trichloroethane	10.902	97	2749	0.557	ug/l #	90
56) Ethyl methacrylate	10.765	69	4333	0.488	ug/l	94
57) 1,3-Dichloropropane	11.049	76	4807	0.533	ug/l	94
58) 2-Chloroethyl Vinyl ether	10.041	63	3920	1.519	ug/l	100
59) 2-Hexanone	11.092	43	15249	2.615	ug/l	96
60) Dibromochloromethane	11.245	129	2742	0.508	ug/l	97
61) 1,2-Dibromoethane	11.352	107	2618	0.507	ug/l	99
64) Tetrachloroethene	10.985	164	2806	0.686	ug/l	87
65) Chlorobenzene	11.776	112	7426	0.592	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.848	131	2651	0.568	ug/l #	65
67) Ethyl Benzene	11.851	91	13729	0.554	ug/l	94
68) m/p-Xylenes	11.953	106	9921	1.125	ug/l	95
69) o-Xylene	12.283	106	4537	0.526	ug/l	90
70) Styrene	12.299	104	6879	0.480	ug/l	96
71) Bromoform	12.460	173	1616	0.453	ug/l #	93
73) Isopropylbenzene	12.583	105	11821	0.553	ug/l	95
74) N-amyl acetate	12.393	43	6380	0.611	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.827	83	3538	0.555	ug/l #	97
76) 1,2,3-Trichloropropane	12.884	75	3538m	0.612	ug/l	
77) Bromobenzene	12.865	156	2250	0.517	ug/l	70
78) n-propylbenzene	12.921	91	14515	0.571	ug/l	95
79) 2-Chlorotoluene	13.010	91	8639	0.546	ug/l	97
80) 1,3,5-Trimethylbenzene	13.063	105	9933	0.552	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.632	75	1249m	0.535	ug/l	
82) 4-Chlorotoluene	13.109	91	8960	0.569	ug/l	97
83) tert-Butylbenzene	13.326	119	8436	0.588	ug/l	98
84) 1,2,4-Trimethylbenzene	13.369	105	9719	0.546	ug/l	98
85) sec-Butylbenzene	13.506	105	10939	0.539	ug/l	97
86) p-Isopropyltoluene	13.621	119	9254	0.565	ug/l	96
87) 1,3-Dichlorobenzene	13.618	146	4575	0.583	ug/l	94
88) 1,4-Dichlorobenzene	13.699	146	4543m	0.575	ug/l	
89) n-Butylbenzene	13.946	91	9302	0.604	ug/l	96
90) Hexachloroethane	14.211	117	1220m	0.381	ug/l	
91) 1,2-Dichlorobenzene	13.997	146	4568	0.613	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.611	75	1212	0.761	ug/l #	57
93) 1,2,4-Trichlorobenzene	15.271	180	1819	0.468	ug/l	93
94) Hexachlorobutadiene	15.375	225	1211	0.542	ug/l	78
95) Naphthalene	15.509	128	6300	0.532	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.700	180	1009	0.270	ug/l #	76

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

