

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061521\
 Data File : VN067341.D
 Acq On : 15 Jun 2021 12:58
 Operator : JC/MD
 Sample : M2262-09 .5PPB MDL
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 6/16/2021 5:03:05 PM

Quant Time: Jun 16 04:30:37 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	327321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	632178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	577790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	217979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	318311	49.296	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.600%		
35) Dibromofluoromethane	8.024	113	194206	46.190	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.380%		
50) Toluene-d8	10.446	98	750140	46.549	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.100%		
62) 4-Bromofluorobenzene	12.736	95	294360	44.261	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.520%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	1281	0.267	ug/l	82
3) Chloromethane	2.300	50	2370	0.477	ug/l	94
4) Vinyl Chloride	2.443	62	1573	0.323	ug/l	96
5) Bromomethane	2.864	94	2246m	1.087	ug/l	
6) Chloroethane	3.030	64	1179	0.394	ug/l	89
7) Trichlorofluoromethane	3.384	101	2115m	0.313	ug/l	
8) Diethyl Ether	3.827	74	763m	0.277	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.205	101	1182m	0.291	ug/l	
10) Methyl Iodide	4.398	142	1060m	0.297	ug/l	
11) Tert butyl alcohol	5.414	59	1948m	1.833	ug/l	
12) 1,1-Dichloroethene	4.167	96	1538m	0.392	ug/l	
13) Acrolein	4.055	56	2693m	4.059	ug/l	
14) Allyl chloride	4.848	41	4429m	0.508	ug/l	
15) Acrylonitrile	5.570	53	3382m	1.450	ug/l	
16) Acetone	4.301	43	5142	2.075	ug/l	100
17) Carbon Disulfide	4.532	76	5162m	0.407	ug/l	
18) Methyl Acetate	4.870	43	3407m	0.567	ug/l	
19) Methyl tert-butyl Ether	5.626	73	4227	0.268	ug/l #	69
20) Methylene Chloride	5.082	84	4050m	0.786	ug/l	
21) trans-1,2-Dichloroethene	5.594	96	1088m	0.250	ug/l	
22) Diisopropyl ether	6.498	45	4927m	0.306	ug/l	
23) Vinyl Acetate	6.433	43	16504	1.120	ug/l	97
24) 1,1-Dichloroethane	6.380	63	3031m	0.336	ug/l	
25) 2-Butanone	7.361	43	6348m	1.793	ug/l	
26) 2,2-Dichloropropane	7.329	77	3289	0.360	ug/l #	57
27) cis-1,2-Dichloroethene	7.335	96	1554m	0.304	ug/l	
28) Bromochloromethane	7.662	49	1226	0.292	ug/l #	58
29) Tetrahydrofuran	7.710	42	3852	1.725	ug/l #	56
30) Chloroform	7.815	83	3390	0.358	ug/l #	74
31) Cyclohexane	8.088	56	13309	1.516	ug/l #	45
32) 1,1,1-Trichloroethane	8.010	97	2546m	0.293	ug/l	
36) 1,1-Dichloropropene	8.217	75	2459m	0.347	ug/l	
37) Ethyl Acetate	7.415	43	3499m	0.466	ug/l	
38) Carbon Tetrachloride	8.217	117	2468m	0.324	ug/l	
39) Methylcyclohexane	9.461	83	2234	0.298	ug/l	96
40) Benzene	8.461	78	5624	0.284	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.640	41	1989m	0.510	ug/l	
42) 1,2-Dichloroethane	8.533	62	3409	0.408	ug/l #	79
43) Isopropyl Acetate	8.563	43	4163	0.309	ug/l #	74
44) Trichloroethene	9.217	130	1313	0.284	ug/l	94
45) 1,2-Dichloropropane	9.488	63	1593	0.302	ug/l	100
46) Dibromomethane	9.582	93	943	0.263	ug/l #	87
47) Bromodichloromethane	9.754	83	2551	0.317	ug/l #	79
48) Methyl methacrylate	9.566	41	3246m	0.528	ug/l	
49) 1,4-Dioxane	9.574	88	389m	4.625	ug/l	
51) 4-Methyl-2-Pentanone	10.336	43	11388	1.468	ug/l	98
52) Toluene	10.510	92	3640m	0.293	ug/l	
53) t-1,3-Dichloropropene	10.719	75	2619	0.294	ug/l #	84
54) cis-1,3-Dichloropropene	10.191	75	2525	0.280	ug/l #	95
55) 1,1,2-Trichloroethane	10.910	97	1486m	0.309	ug/l	
56) Ethyl methacrylate	10.765	69	2333	0.270	ug/l #	57
57) 1,3-Dichloropropane	11.044	76	2504m	0.285	ug/l	
58) 2-Chloroethyl Vinyl ether	10.041	63	1924	0.765	ug/l	92
59) 2-Hexanone	11.092	43	8031	1.413	ug/l	94
60) Dibromochloromethane	11.242	129	1454	0.277	ug/l	92
61) 1,2-Dibromoethane	11.344	107	1335	0.265	ug/l #	36
64) Tetrachloroethene	10.990	164	1410	0.344	ug/l #	69
65) Chlorobenzene	11.773	112	4168	0.332	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.848	131	1172	0.250	ug/l #	54
67) Ethyl Benzene	11.846	91	7298	0.294	ug/l #	82
68) m/p-Xylenes	11.956	106	5324	0.602	ug/l	95
69) o-Xylene	12.288	106	2184	0.253	ug/l	81
70) Styrene	12.296	104	4006	0.279	ug/l	96
71) Bromoform	12.468	173	816m	0.228	ug/l	
73) Isopropylbenzene	12.583	105	6679	0.319	ug/l	94
74) N-amyl acetate	12.390	43	3556	0.348	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.830	83	1894	0.304	ug/l #	91
76) 1,2,3-Trichloropropane	12.878	75	2198m	0.388	ug/l	
77) Bromobenzene	12.867	156	1243	0.292	ug/l	69
78) n-propylbenzene	12.924	91	8222	0.330	ug/l	97
79) 2-Chlorotoluene	13.010	91	5019	0.324	ug/l	93
80) 1,3,5-Trimethylbenzene	13.066	105	5639	0.320	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.629	75	885m	0.387	ug/l	
82) 4-Chlorotoluene	13.109	91	5598	0.363	ug/l	88
83) tert-Butylbenzene	13.329	119	4307	0.307	ug/l	96
84) 1,2,4-Trimethylbenzene	13.372	105	5338	0.307	ug/l	97
85) sec-Butylbenzene	13.506	105	6210	0.313	ug/l #	77
86) p-Isopropyltoluene	13.618	119	5039	0.314	ug/l	95
87) 1,3-Dichlorobenzene	13.621	146	2431	0.316	ug/l	91
88) 1,4-Dichlorobenzene	13.696	146	2772m	0.359	ug/l	
89) n-Butylbenzene	13.946	91	5576	0.370	ug/l	98
90) Hexachloroethane	14.203	117	780m	0.249	ug/l	
91) 1,2-Dichlorobenzene	13.997	146	2616	0.359	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.613	75	821m	0.527	ug/l	
93) 1,2,4-Trichlorobenzene	15.265	180	1459	0.383	ug/l #	76
94) Hexachlorobutadiene	15.375	225	560	0.256	ug/l	81
95) Naphthalene	15.509	128	5359	0.462	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.705	180	1444	0.395	ug/l	89

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

