

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061521\
 Data File : VN067342.D
 Acq On : 15 Jun 2021 13:23
 Operator : JC/MD
 Sample : M2262-09 .75PPB MDL
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 6/16/2021 5:03:08 PM

Quant Time: Jun 16 04:30:55 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	329283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	646169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	571464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	219975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	341626	52.591	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.180%			
35) Dibromofluoromethane	8.027	113	214411	49.892	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.780%			
50) Toluene-d8	10.446	98	825665	50.126	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.260%			
62) 4-Bromofluorobenzene	12.733	95	313339	46.095	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.200%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.070	85	2562	0.530	ug/l	96
3) Chloromethane	2.306	50	3700	0.740	ug/l	97
4) Vinyl Chloride	2.443	62	2687	0.548	ug/l #	65
5) Bromomethane	2.864	94	2005	0.964	ug/l	99
6) Chloroethane	3.017	64	1686	0.560	ug/l #	58
7) Trichlorofluoromethane	3.365	101	3686	0.542	ug/l #	77
8) Diethyl Ether	3.821	74	1816	0.656	ug/l	74
9) 1,1,2-Trichlorotrifluo...	4.197	101	2005m	0.490	ug/l	
10) Methyl Iodide	4.411	142	1919m	0.534	ug/l	
11) Tert butyl alcohol	5.396	59	3730m	3.488	ug/l	
12) 1,1-Dichloroethene	4.183	96	2472m	0.626	ug/l	
13) Acrolein	4.036	56	3818m	5.720	ug/l	
14) Allyl chloride	4.832	41	7494m	0.855	ug/l	
15) Acrylonitrile	5.578	53	6784m	2.890	ug/l	
16) Acetone	4.296	43	8313	3.335	ug/l	95
17) Carbon Disulfide	4.524	76	7490	0.587	ug/l	95
18) Methyl Acetate	4.875	43	5920m	0.979	ug/l	
19) Methyl tert-butyl Ether	5.632	73	8289m	0.523	ug/l	
20) Methylene Chloride	5.100	84	5192m	1.001	ug/l	
21) trans-1,2-Dichloroethene	5.591	96	2417	0.552	ug/l #	84
22) Diisopropyl ether	6.511	45	9241m	0.571	ug/l	
23) Vinyl Acetate	6.439	43	37427	2.525	ug/l	97
24) 1,1-Dichloroethane	6.391	63	4948m	0.545	ug/l	
25) 2-Butanone	7.356	43	10094	2.834	ug/l	95
26) 2,2-Dichloropropane	7.329	77	6365	0.692	ug/l #	76
27) cis-1,2-Dichloroethene	7.327	96	3009	0.584	ug/l	61
28) Bromochloromethane	7.654	49	2490m	0.590	ug/l	
29) Tetrahydrofuran	7.694	42	6977m	3.107	ug/l	
30) Chloroform	7.815	83	5884	0.618	ug/l	84
31) Cyclohexane	8.086	56	15749	1.783	ug/l #	53
32) 1,1,1-Trichloroethane	8.018	97	5784	0.661	ug/l #	32
36) 1,1-Dichloropropene	8.220	75	4370	0.603	ug/l	87
37) Ethyl Acetate	7.428	43	5716m	0.745	ug/l	
38) Carbon Tetrachloride	8.212	117	4691	0.602	ug/l #	79
39) Methylcyclohexane	9.456	83	4465	0.582	ug/l #	86
40) Benzene	8.466	78	11945	0.591	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.640	41	3208m	0.804	ug/l	
42) 1,2-Dichloroethane	8.531	62	5600	0.655	ug/l	98
43) Isopropyl Acetate	8.568	43	8681	0.630	ug/l #	81
44) Trichloroethene	9.217	130	2468	0.522	ug/l	91
45) 1,2-Dichloropropane	9.488	63	3260	0.605	ug/l #	85
46) Dibromomethane	9.579	93	2368	0.645	ug/l #	80
47) Bromodichloromethane	9.764	83	3955	0.481	ug/l #	78
48) Methyl methacrylate	9.563	41	3926	0.625	ug/l	88
49) 1,4-Dioxane	9.585	88	1039m	12.086	ug/l	
51) 4-Methyl-2-Pentanone	10.336	43	23333	2.942	ug/l	98
52) Toluene	10.510	92	7030	0.553	ug/l	85
53) t-1,3-Dichloropropene	10.719	75	5028	0.552	ug/l	93
54) cis-1,3-Dichloropropene	10.191	75	4796	0.521	ug/l #	91
55) 1,1,2-Trichloroethane	10.899	97	2673	0.544	ug/l #	85
56) Ethyl methacrylate	10.765	69	4706	0.532	ug/l #	73
57) 1,3-Dichloropropane	11.049	76	5026	0.560	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.043	63	5256	2.044	ug/l	91
59) 2-Hexanone	11.089	43	16627	2.862	ug/l	94
60) Dibromochloromethane	11.242	129	2769	0.515	ug/l	99
61) 1,2-Dibromoethane	11.355	107	3145m	0.611	ug/l	
64) Tetrachloroethene	10.979	164	2560	0.631	ug/l #	76
65) Chlorobenzene	11.776	112	7062	0.568	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.846	131	2644	0.571	ug/l #	63
67) Ethyl Benzene	11.846	91	14407	0.586	ug/l	93
68) m/p-Xylenes	11.964	106	10131	1.159	ug/l	98
69) o-Xylene	12.285	106	4808	0.562	ug/l	98
70) Styrene	12.294	104	7745	0.545	ug/l	99
71) Bromoform	12.457	173	1521	0.430	ug/l #	76
73) Isopropylbenzene	12.583	105	13060	0.619	ug/l	99
74) N-amyl acetate	12.393	43	7097	0.689	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.833	83	3980	0.632	ug/l	96
76) 1,2,3-Trichloropropane	12.886	75	3106m	0.544	ug/l	
77) Bromobenzene	12.865	156	2678	0.623	ug/l	90
78) n-propylbenzene	12.924	91	14985	0.597	ug/l	99
79) 2-Chlorotoluene	13.010	91	9198	0.588	ug/l	78
80) 1,3,5-Trimethylbenzene	13.066	105	10440	0.587	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.629	75	1477m	0.641	ug/l	
82) 4-Chlorotoluene	13.109	91	9594	0.616	ug/l	93
83) tert-Butylbenzene	13.329	119	8485	0.599	ug/l	98
84) 1,2,4-Trimethylbenzene	13.372	105	11117	0.633	ug/l	97
85) sec-Butylbenzene	13.506	105	12008	0.599	ug/l	100
86) p-Isopropyltoluene	13.618	119	8987	0.555	ug/l	95
87) 1,3-Dichlorobenzene	13.621	146	5167	0.666	ug/l	90
88) 1,4-Dichlorobenzene	13.694	146	5119m	0.656	ug/l	
89) n-Butylbenzene	13.946	91	9231	0.607	ug/l	95
90) Hexachloroethane	14.217	117	1659	0.524	ug/l #	22
91) 1,2-Dichlorobenzene	13.991	146	4365	0.593	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.611	75	995	0.632	ug/l	68
93) 1,2,4-Trichlorobenzene	15.268	180	2318	0.603	ug/l	97
94) Hexachlorobutadiene	15.383	225	1311m	0.594	ug/l	
95) Naphthalene	15.512	128	7092	0.606	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.700	180	2348	0.637	ug/l	82

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

