

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032921\
 Data File : VN066375.D
 Acq On : 29 Mar 2021 14:37
 Operator : JC/MD
 Sample : M1458-09 0.75PPB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/30/2021 7:50:50 PM

Quant Time: Mar 30 03:00:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 02:59:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.585	168	455031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.512	114	715531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	637444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	237323	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	314469	51.99	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.98%			
35) Dibromofluoromethane	7.507	113	244716	51.59	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.18%			
50) Toluene-d8	10.028	98	922908	51.30	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.60%			
62) 4-Bromofluorobenzene	12.345	95	264184	42.27	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 84.54%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.816	85	3560	0.62	ug/l	99
3) Chloromethane	2.014	50	7963	1.18	ug/l	96
4) Vinyl Chloride	2.145	62	5038	0.77	ug/l #	86
5) Bromomethane	2.510	94	4470	1.02	ug/l #	77
6) Chloroethane	2.650	64	3220	0.79	ug/l #	79
7) Trichlorofluoromethane	2.963	101	5972	0.66	ug/l	92
8) Diethyl Ether	3.342	74	3045	0.83	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.682	101	3576m	0.70	ug/l	
10) Methyl Iodide	3.862	142	4665	0.65	ug/l #	81
11) Tert butyl alcohol	4.707	59	3834m	4.16	ug/l	
12) 1,1-Dichloroethene	3.658	96	5032	0.96	ug/l	81
13) Acrolein	3.532	56	8259	13.80	ug/l	85
14) Allyl chloride	4.227	41	5715	0.55	ug/l #	69
15) Acrylonitrile	4.881	53	8525	3.31	ug/l #	79
16) Acetone	3.739	43	14160	4.33	ug/l	97
17) Carbon Disulfide	3.961	76	12139	0.79	ug/l	99
18) Methyl Acetate	4.243	43	7051	0.83	ug/l #	54
19) Methyl tert-butyl Ether	4.948	73	10921	0.71	ug/l	94
20) Methylene Chloride	4.452	84	5862	0.93	ug/l	94
21) trans-1,2-Dichloroethene	4.924	96	3609	0.76	ug/l	87
22) Diisopropyl ether	5.855	45	9075	0.56	ug/l #	81
23) Vinyl Acetate	5.804	43	43066	3.14	ug/l #	94
24) 1,1-Dichloroethane	5.731	63	6111m	0.69	ug/l	
25) 2-Butanone	6.756	43	11354	3.18	ug/l	99
26) 2,2-Dichloropropane	6.724	77	5390	0.68	ug/l	85
27) cis-1,2-Dichloroethene	6.729	96	3797	0.69	ug/l	81
28) Bromochloromethane	7.104	49	2863	0.64	ug/l #	93
29) Tetrahydrofuran	7.131	42	9090	3.90	ug/l #	78
30) Chloroform	7.281	83	6180	0.70	ug/l	86
31) Cyclohexane	7.579	56	14692	1.75	ug/l #	34
32) 1,1,1-Trichloroethane	7.485	97	5075	0.65	ug/l #	50
36) 1,1-Dichloropropene	7.705	75	4708m	0.70	ug/l	
37) Ethyl Acetate	6.852	43	5679m	0.77	ug/l	
38) Carbon Tetrachloride	7.697	117	4626	0.68	ug/l #	69
39) Methylcyclohexane	9.011	83	4951	0.60	ug/l	90
40) Benzene	7.963	78	12899	0.64	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.080	41	2225	0.61	ug/l #	18
42) 1,2-Dichloroethane	8.046	62	5315	0.73	ug/l	93
43) Isopropyl Acetate	8.097	43	8920	0.71	ug/l #	92
44) Trichloroethene	8.765	130	3831	0.72	ug/l	97
45) 1,2-Dichloropropane	9.049	63	3682	0.68	ug/l	93
46) Dibromomethane	9.135	93	2416m	0.68	ug/l	
47) Bromodichloromethane	9.330	83	4638	0.63	ug/l	96
48) Methyl methacrylate	9.137	41	4796	0.80	ug/l #	87
49) 1,4-Dioxane	9.137	88	988	13.06	ug/l #	58
51) 4-Methyl-2-Pentanone	9.923	43	22953	3.11	ug/l	95
52) Toluene	10.089	92	7921	0.64	ug/l	94
53) t-1,3-Dichloropropene	10.317	75	4886	0.61	ug/l	100
54) cis-1,3-Dichloropropene	9.776	75	5358	0.63	ug/l	95
55) 1,1,2-Trichloroethane	10.500	97	3401	0.68	ug/l #	88
56) Ethyl methacrylate	10.374	69	4555	0.59	ug/l #	79
57) 1,3-Dichloropropane	10.647	76	5338	0.64	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.634	63	2965	4.29	ug/l #	86
59) 2-Hexanone	10.696	43	13424	2.59	ug/l	94
60) Dibromochloromethane	10.843	129	3531	0.63	ug/l	93
61) 1,2-Dibromoethane	10.942	107	3345	0.64	ug/l	96
64) Tetrachloroethene	10.570	164	3582	0.66	ug/l	91
65) Chlorobenzene	11.374	112	8318	0.65	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.447	131	2776	0.57	ug/l #	54
67) Ethyl Benzene	11.452	91	14363	0.62	ug/l	99
68) m/p-Xylenes	11.565	106	10031	1.14	ug/l	95
69) o-Xylene	11.892	106	5031	0.59	ug/l	96
70) Styrene	11.905	104	6873	0.50	ug/l	91
71) Bromoform	12.071	173	2315	0.57	ug/l #	93
73) Isopropylbenzene	12.192	105	11661	0.66	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.452	83	4089	0.73	ug/l #	88
76) 1,2,3-Trichloropropane	12.501	75	4728m	0.91	ug/l	
77) Bromobenzene	12.466	156	3112	0.70	ug/l	81
78) n-propylbenzene	12.538	91	11676	0.61	ug/l	96
79) 2-Chlorotoluene	12.619	91	7369	0.62	ug/l	95
80) 1,3,5-Trimethylbenzene	12.678	105	8694	0.60	ug/l	88
81) trans-1,4-Dichloro-2-b...	12.251	75	1059m	0.61	ug/l	
82) 4-Chlorotoluene	12.720	91	5636	0.48	ug/l	87
83) tert-Butylbenzene	12.935	119	8575	0.69	ug/l	99
84) 1,2,4-Trimethylbenzene	12.986	105	8184	0.58	ug/l	97
85) sec-Butylbenzene	13.117	105	9991	0.62	ug/l	98
86) p-Isopropyltoluene	13.233	119	8644	0.60	ug/l	84
87) 1,3-Dichlorobenzene	13.227	146	4339	0.58	ug/l	96
88) 1,4-Dichlorobenzene	13.308	146	4963m	0.64	ug/l	
89) n-Butylbenzene	13.565	91	6408	0.54	ug/l	83
90) Hexachloroethane	13.815	117	2027	0.78	ug/l	64
91) 1,2-Dichlorobenzene	13.603	146	4121	0.56	ug/l	77
93) 1,2,4-Trichlorobenzene	14.861	180	2809m	0.62	ug/l	
94) Hexachlorobutadiene	14.947	225	1361	0.55	ug/l	97
95) Naphthalene	15.078	128	7421	0.54	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.258	180	2725	0.59	ug/l	87

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