

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032921\
 Data File : VN066373.D
 Acq On : 29 Mar 2021 13:51
 Operator : JC/MD
 Sample : M1458-09 0.2PPB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 3/30/2021 7:50:46 PM

Quant Time: Mar 30 03:02:25 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	7.584	168	464952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.512	114	731766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	679528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	252018	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	311577	50.41	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.82%			
35) Dibromofluoromethane	7.507	113	242517	49.99	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.98%			
50) Toluene-d8	10.028	98	917861	49.88	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.76%			
62) 4-Bromofluorobenzene	12.345	95	286878	44.89	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.78%			
Target Compounds						Qvalue
3) Chloromethane	2.017	50	5474	0.80	ug/l	98
4) Vinyl Chloride	2.145	62	1345	0.20	ug/l	93
5) Bromomethane	2.516	94	2182m	0.49	ug/l	
6) Chloroethane	2.652	64	1137m	0.27	ug/l	
8) Diethyl Ether	3.339	74	1002	0.27	ug/l	52
10) Methyl Iodide	3.873	142	1633m	0.22	ug/l	
11) Tert butyl alcohol	4.704	59	1092m	1.16	ug/l	
12) 1,1-Dichloroethene	3.658	96	2133m	0.40	ug/l	
13) Acrolein	3.529	56	5879	9.61	ug/l #	79
15) Acrylonitrile	4.881	53	3106m	1.18	ug/l	
16) Acetone	3.744	43	7779m	2.33	ug/l	
17) Carbon Disulfide	3.964	76	4757	0.30	ug/l #	80
18) Methyl Acetate	4.232	43	4403m	0.50	ug/l	
19) Methyl tert-butyl Ether	4.943	73	4044m	0.26	ug/l	
20) Methylene Chloride	4.449	84	2866m	0.45	ug/l	
21) trans-1,2-Dichloroethene	4.935	96	1159m	0.24	ug/l	
22) Diisopropyl ether	5.847	45	3382m	0.21	ug/l	
23) Vinyl Acetate	5.804	43	14677m	1.05	ug/l	
24) 1,1-Dichloroethane	5.729	63	2066m	0.23	ug/l	
25) 2-Butanone	6.761	43	5077m	1.39	ug/l	
26) 2,2-Dichloropropane	6.732	77	2080m	0.26	ug/l	
27) cis-1,2-Dichloroethene	6.740	96	1420m	0.25	ug/l	
28) Bromochloromethane	7.099	49	927m	0.20	ug/l	
29) Tetrahydrofuran	7.131	42	3269	1.37	ug/l #	66
30) Chloroform	7.292	83	1979	0.22	ug/l	97
31) Cyclohexane	7.582	56	11510	1.35	ug/l #	4
32) 1,1,1-Trichloroethane	7.483	97	1599	0.20	ug/l #	41
36) 1,1-Dichloropropene	7.711	75	1594m	0.23	ug/l	
37) Ethyl Acetate	6.828	43	3058m	0.40	ug/l	
40) Benzene	7.957	78	4567	0.22	ug/l	96
41) Methacrylonitrile	7.067	41	810m	0.22	ug/l	
42) 1,2-Dichloroethane	8.048	62	1963	0.26	ug/l	79
43) Isopropyl Acetate	8.091	43	2860m	0.22	ug/l	
44) Trichloroethene	8.770	130	1727	0.32	ug/l	87
48) Methyl methacrylate	9.140	41	1251	0.20	ug/l #	80
49) 1,4-Dioxane	9.148	88	464	6.00	ug/l #	47

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

51) 4-Methyl-2-Pentanone	9.920	43	7886	1.04	ug/l	94
56) Ethyl methacrylate	10.368	69	1634	0.21	ug/l #	75
58) 2-Chloroethyl Vinyl ether	9.636	63	693	0.98	ug/l	99
59) 2-Hexanone	10.698	43	4938	0.93	ug/l	89
65) Chlorobenzene	11.371	112	2884	0.21	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.447	131	1071m	0.21	ug/l	
68) m/p-Xylenes	11.573	106	3066m	0.33	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.452	83	1322	0.22	ug/l #	78
76) 1,2,3-Trichloropropane	12.501	75	1801m	0.33	ug/l	
77) Bromobenzene	12.471	156	1002	0.21	ug/l	93
82) 4-Chlorotoluene	12.723	91	2842m	0.23	ug/l	
83) tert-Butylbenzene	12.935	119	2853	0.22	ug/l	97
88) 1,4-Dichlorobenzene	13.302	146	1738m	0.21	ug/l	
90) Hexachloroethane	13.812	117	737	0.27	ug/l #	43
93) 1,2,4-Trichlorobenzene	14.861	180	1044m	0.22	ug/l	
95) Naphthalene	15.081	128	3505m	0.24	ug/l	
96) 1,2,3-Trichlorobenzene	15.250	180	1144m	0.24	ug/l	

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

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