

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031621\
 Data File : VN066218.D
 Acq On : 16 Mar 2021 18:16
 Operator : JC/MD
 Sample : MDL03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 3/17/2021 4:24:54 PM

Quant Time: Mar 17 05:55:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 17 05:54:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.585	168	312431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	510239	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	454884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	199946	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.952	65	233661	51.91	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.82%			
35) Dibromofluoromethane	7.507	113	161299	49.55	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.10%			
50) Toluene-d8	10.028	98	603051	47.91	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 95.82%			
62) 4-Bromofluorobenzene	12.345	95	198110	43.67	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 87.34%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.821	85	1431	0.47	ug/l	85
3) Chloromethane	2.017	50	4112	0.76	ug/l	100
4) Vinyl Chloride	2.148	62	2245	0.51	ug/l	92
5) Bromomethane	2.537	94	2196m	0.86	ug/l	
6) Chloroethane	2.658	64	1419	0.55	ug/l #	50
7) Trichlorofluoromethane	2.971	101	2425	0.47	ug/l	97
8) Diethyl Ether	3.342	74	916	0.43	ug/l #	39
9) 1,1,2-Trichlorotrifluo...	3.680	101	1308m	0.48	ug/l	
10) Methyl Iodide	3.873	142	2170m	0.56	ug/l	
11) Tert butyl alcohol	4.750	59	2110m	2.75	ug/l	
12) 1,1-Dichloroethene	3.669	96	2059m	0.70	ug/l	
13) Acrolein	3.535	56	6741	9.61	ug/l	100
14) Allyl chloride	4.240	41	2783	0.40	ug/l #	64
15) Acrylonitrile	4.884	53	6042m	2.63	ug/l	
16) Acetone	3.749	43	7611	3.52	ug/l	94
17) Carbon Disulfide	3.964	76	6799	0.82	ug/l #	87
18) Methyl Acetate	4.237	43	5728m	0.95	ug/l	
19) Methyl tert-butyl Ether	4.953	73	5099m	0.45	ug/l	
20) Methylene Chloride	4.449	84	2065m	0.61	ug/l	
21) trans-1,2-Dichloroethene	4.937	96	2147m	0.66	ug/l	
22) Diisopropyl ether	5.860	45	6252	0.44	ug/l #	95
23) Vinyl Acetate	5.806	43	25320m	2.07	ug/l	
24) 1,1-Dichloroethane	5.758	63	3414m	0.48	ug/l	
25) 2-Butanone	6.761	43	8748m	2.60	ug/l	
26) 2,2-Dichloropropane	6.729	77	2922	0.50	ug/l #	76
27) cis-1,2-Dichloroethene	6.740	96	1811m	0.48	ug/l	
28) Bromochloromethane	7.110	49	2084m	0.55	ug/l	
29) Tetrahydrofuran	7.137	42	6101	2.64	ug/l #	88
30) Chloroform	7.292	83	2937m	0.45	ug/l	
31) Cyclohexane	7.582	56	9519	1.41	ug/l #	4
32) 1,1,1-Trichloroethane	7.480	97	2400	0.43	ug/l #	23
36) 1,1-Dichloropropene	7.713	75	2586	0.50	ug/l #	79
37) Ethyl Acetate	6.863	43	4113m	0.56	ug/l	
38) Carbon Tetrachloride	7.692	117	2210	0.48	ug/l #	94
39) Methylcyclohexane	9.011	83	2382	0.43	ug/l #	85
40) Benzene	7.965	78	7229	0.47	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.091	41	2126m	0.58	ug/l	
42) 1,2-Dichloroethane	8.059	62	3424m	0.61	ug/l	
43) Isopropyl Acetate	8.089	43	5218	0.46	ug/l #	67
44) Trichloroethene	8.765	130	2180	0.58	ug/l	91
45) 1,2-Dichloropropane	9.046	63	2054	0.46	ug/l #	77
46) Dibromomethane	9.145	93	1147	0.46	ug/l #	54
47) Bromodichloromethane	9.336	83	2364	0.43	ug/l #	82
48) Methyl methacrylate	9.135	41	2625	0.48	ug/l #	81
49) 1,4-Dioxane	9.145	88	525	8.94	ug/l #	43
51) 4-Methyl-2-Pentanone	9.920	43	18119	2.63	ug/l	94
52) Toluene	10.098	92	4389	0.49	ug/l	99
53) t-1,3-Dichloropropene	10.323	75	3251	0.53	ug/l	99
54) cis-1,3-Dichloropropene	9.776	75	3121	0.47	ug/l	96
55) 1,1,2-Trichloroethane	10.497	97	1841	0.50	ug/l #	80
56) Ethyl methacrylate	10.371	69	2493	0.43	ug/l #	81
57) 1,3-Dichloropropane	10.647	76	3194	0.48	ug/l #	82
58) 2-Chloroethyl Vinyl ether	9.639	63	823	1.32	ug/l #	60
59) 2-Hexanone	10.696	43	15432	3.13	ug/l	97
60) Dibromochloromethane	10.843	129	1693	0.44	ug/l	96
61) 1,2-Dibromoethane	10.945	107	1946	0.53	ug/l	89
64) Tetrachloroethene	10.575	164	2017	0.53	ug/l	88
65) Chlorobenzene	11.371	112	4737	0.52	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.447	131	1210	0.35	ug/l #	46
67) Ethyl Benzene	11.452	91	7183	0.44	ug/l #	86
68) m/p-Xylenes	11.565	106	5067	0.84	ug/l	99
69) o-Xylene	11.894	106	2637	0.46	ug/l	82
70) Styrene	11.911	104	4303	0.45	ug/l #	77
71) Bromoform	12.069	173	1094	0.40	ug/l #	29
73) Isopropylbenzene	12.195	105	5980	0.43	ug/l	92
74) N-amyl acetate	12.018	43	2744	0.43	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	12.452	83	2736	0.56	ug/l #	90
76) 1,2,3-Trichloropropane	12.501	75	2530m	0.49	ug/l	
77) Bromobenzene	12.466	156	2131	0.58	ug/l	96
78) n-propylbenzene	12.535	91	8360	0.52	ug/l	94
79) 2-Chlorotoluene	12.616	91	4505	0.46	ug/l	90
80) 1,3,5-Trimethylbenzene	12.678	105	5345	0.46	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.248	75	567m	0.33	ug/l	
82) 4-Chlorotoluene	12.720	91	4376	0.45	ug/l	89
83) tert-Butylbenzene	12.940	119	4780	0.47	ug/l #	89
84) 1,2,4-Trimethylbenzene	12.986	105	5867	0.52	ug/l	98
85) sec-Butylbenzene	13.115	105	6898	0.53	ug/l	94
86) p-Isopropyltoluene	13.238	119	6440	0.56	ug/l	94
87) 1,3-Dichlorobenzene	13.233	146	4296	0.69	ug/l	90
88) 1,4-Dichlorobenzene	13.308	146	5192m	0.80	ug/l	
89) n-Butylbenzene	13.560	91	9199	0.91	ug/l	94
90) Hexachloroethane	13.823	117	1146m	0.57	ug/l	
91) 1,2-Dichlorobenzene	13.597	146	3955	0.64	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.217	75	1935m	2.00	ug/l	
93) 1,2,4-Trichlorobenzene	14.850	180	4916	1.23	ug/l	96
94) Hexachlorobutadiene	14.947	225	2066	1.06	ug/l	90
95) Naphthalene	15.073	128	22178	1.89	ug/l	99
96) 1,2,3-Trichlorobenzene	15.250	180	5291	1.33	ug/l	97

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

