

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066931.D
 Acq On : 4 May 2021 12:17
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 5/5/2021 5:32:57 PM

Quant Time: May 04 12:38:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 04 12:36:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.589	168	552067	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.517	114	935944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	901742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	461512	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	892885	102.14	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 204.28%#			
35) Dibromofluoromethane	7.512	113	646722	101.69	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 203.38%#			
50) Toluene-d8	10.030	98	2596312	107.84	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 215.68%#			
62) 4-Bromofluorobenzene	12.347	95	1020600	123.34	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 246.68%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.834	85	758544	101.93	ug/l	98
3) Chloromethane	2.032	50	1115097	99.89	ug/l	100
4) Vinyl Chloride	2.161	62	1094980	107.45	ug/l	99
5) Bromomethane	2.488	94	538685	99.56	ug/l	97
6) Chloroethane	2.641	64	604634	101.73	ug/l	98
7) Trichlorofluoromethane	2.960	101	1242646	104.47	ug/l	100
8) Diethyl Ether	3.355	74	459685	103.88	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.690	101	628832	101.92	ug/l	93
10) Methyl Iodide	3.880	142	864946	105.40	ug/l	91
11) Tert butyl alcohol	4.717	59	662503	513.64	ug/l	100
12) 1,1-Dichloroethene	3.668	96	627500	105.31	ug/l	86
13) Acrolein	3.545	56	525888	456.96	ug/l	98
14) Allyl chloride	4.242	41	1294088	108.15	ug/l	93
15) Acrylonitrile	4.894	53	1988518	544.11	ug/l	98
16) Acetone	3.754	43	1471112	443.83	ug/l	98
17) Carbon Disulfide	3.979	76	1909974	98.87	ug/l	98
18) Methyl Acetate	4.250	43	932118	101.36	ug/l	97
19) Methyl tert-butyl Ether	4.956	73	2375185	112.92	ug/l	98
20) Methylene Chloride	4.468	84	782140	93.92	ug/l	92
21) trans-1,2-Dichloroethene	4.945	96	685361	105.79	ug/l	84
22) Diisopropyl ether	5.865	45	2609831	110.95	ug/l	96
23) Vinyl Acetate	5.806	43	10498900	543.52	ug/l	98
24) 1,1-Dichloroethane	5.758	63	1447769	102.17	ug/l	98
25) 2-Butanone	6.745	43	2444281	544.82	ug/l	95
26) 2,2-Dichloropropane	6.737	77	1204318	111.03	ug/l	95
27) cis-1,2-Dichloroethene	6.739	96	795766	108.02	ug/l	85
28) Bromochloromethane	7.109	49	688850	104.03	ug/l	# 79
29) Tetrahydrofuran	7.128	42	1641305	544.75	ug/l	95
30) Chloroform	7.292	83	1384224	102.18	ug/l	99
31) Cyclohexane	7.576	56	1285247	105.34	ug/l	91
32) 1,1,1-Trichloroethane	7.493	97	1199711	103.29	ug/l	98
36) 1,1-Dichloropropene	7.715	75	1049879	110.50	ug/l	96
37) Ethyl Acetate	6.844	43	1053115	100.19	ug/l	99
38) Carbon Tetrachloride	7.697	117	1047136	103.98	ug/l	100
39) Methylcyclohexane	9.016	83	1233978	120.64	ug/l	95
40) Benzene	7.968	78	3201037	105.97	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.085	41	504562	114.71	ug/l #	100
42) 1,2-Dichloroethane	8.051	62	1128304	104.31	ug/l	97
43) Isopropyl Acetate	8.094	43	1774296	110.89	ug/l #	90
44) Trichloroethene	8.770	130	700835	105.79	ug/l	92
45) 1,2-Dichloropropane	9.054	63	889781	104.52	ug/l	99
46) Dibromomethane	9.142	93	525065	105.37	ug/l	91
47) Bromodichloromethane	9.338	83	1149690	106.32	ug/l	99
48) Methyl methacrylate	9.137	41	839462	120.16	ug/l	92
49) 1,4-Dioxane	9.137	88	260228	2391.38	ug/l	89
51) 4-Methyl-2-Pentanone	9.923	43	5163258	568.31	ug/l	100
52) Toluene	10.094	92	1956835	113.85	ug/l	96
53) t-1,3-Dichloropropene	10.322	75	1307513	121.22	ug/l	97
54) cis-1,3-Dichloropropene	9.778	75	1408760	117.79	ug/l	98
55) 1,1,2-Trichloroethane	10.502	97	754489	106.18	ug/l	95
56) Ethyl methacrylate	10.371	69	1204450	136.46	ug/l	96
57) 1,3-Dichloropropane	10.647	76	1365032	111.31	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.633	63	1172575	716.79	ug/l	92
59) 2-Hexanone	10.695	43	3668086	693.75	ug/l	99
60) Dibromochloromethane	10.843	129	863458	112.21	ug/l	99
61) 1,2-Dibromoethane	10.947	107	764178	112.94	ug/l	100
64) Tetrachloroethene	10.572	164	601277	98.72	ug/l	95
65) Chlorobenzene	11.376	112	2035137	108.42	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.451	131	777793	105.96	ug/l	98
67) Ethyl Benzene	11.454	91	3782196	117.85	ug/l	99
68) m/p-Xylenes	11.564	106	2853675	245.52	ug/l	99
69) o-Xylene	11.891	106	1404711	122.09	ug/l	95
70) Styrene	11.910	104	2322490	133.31	ug/l	95
71) Bromoform	12.071	173	603313	120.10	ug/l #	100
73) Isopropylbenzene	12.194	105	3717804	108.65	ug/l	99
74) N-amyl acetate	12.020	43	1144710	174.34	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.449	83	1194036	95.04	ug/l	99
76) 1,2,3-Trichloropropane	12.497	75	1188789m	107.08	ug/l	
77) Bromobenzene	12.468	156	866518	107.68	ug/l	79
78) n-propylbenzene	12.538	91	4368956	116.27	ug/l	98
79) 2-Chlorotoluene	12.618	91	2696661	110.75	ug/l	95
80) 1,3,5-Trimethylbenzene	12.680	105	3309298	113.24	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.245	75	373015	130.77	ug/l	99
82) 4-Chlorotoluene	12.717	91	2775312	114.26	ug/l	94
83) tert-Butylbenzene	12.937	119	2765044	104.62	ug/l	96
84) 1,2,4-Trimethylbenzene	12.986	105	3290851	118.64	ug/l	100
85) sec-Butylbenzene	13.117	105	3720454	116.46	ug/l	98
86) p-Isopropyltoluene	13.235	119	3321854	121.47	ug/l	97
87) 1,3-Dichlorobenzene	13.227	146	1575640	112.58	ug/l	96
88) 1,4-Dichlorobenzene	13.307	146	1597239	103.99	ug/l	98
89) n-Butylbenzene	13.560	91	2814918	127.41	ug/l	99
90) Hexachloroethane	13.817	117	666187	98.47	ug/l	99
91) 1,2-Dichlorobenzene	13.597	146	1534622	103.86	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.217	75	228807	91.53	ug/l	81
93) 1,2,4-Trichlorobenzene	14.852	180	874614	117.73	ug/l	98
94) Hexachlorobutadiene	14.949	225	478064	99.09	ug/l	99
95) Naphthalene	15.072	128	2384499	122.43	ug/l	100
96) 1,2,3-Trichlorobenzene	15.249	180	845274	117.96	ug/l	99

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

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