

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066955.D
 Acq On : 4 May 2021 23:56
 Operator : JC/MD
 Sample : VN0504WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0504WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/5/2021 5:34:33 PM

Quant Time: May 05 05:30:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 04 13:11:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.590	168	440608	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.520	114	776865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	717924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	317213	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.952	65	368676	53.16	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	106.32%
35) Dibromofluoromethane	7.512	113	262569	49.77	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.54%
50) Toluene-d8	10.030	98	995121	49.53	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.06%
62) 4-Bromofluorobenzene	12.347	95	337077	49.55	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.10%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.834	85	104423	17.55	ug/l	97
3) Chloromethane	2.035	50	155491	18.21	ug/l	99
4) Vinyl Chloride	2.161	62	147787	18.03	ug/l	99
5) Bromomethane	2.507	94	81170	18.61	ug/l	99
6) Chloroethane	2.652	64	92850	19.21	ug/l	99
7) Trichlorofluoromethane	2.969	101	180134	18.51	ug/l	99
8) Diethyl Ether	3.355	74	67161	19.21	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.690	101	87599	17.70	ug/l	93
10) Methyl Iodide	3.880	142	117735	18.05	ug/l	# 90
11) Tert butyl alcohol	4.717	59	108942	111.26	ug/l	100
12) 1,1-Dichloroethene	3.674	96	87557	18.18	ug/l	90
13) Acrolein	3.545	56	70952	87.09	ug/l	96
14) Allyl chloride	4.245	41	171577	17.76	ug/l	93
15) Acrylonitrile	4.900	53	292936	100.80	ug/l	99
16) Acetone	3.754	43	246449	101.02	ug/l	99
17) Carbon Disulfide	3.982	76	271355	18.18	ug/l	99
18) Methyl Acetate	4.253	43	153030	21.93	ug/l	96
19) Methyl tert-butyl Ether	4.956	73	328709	19.04	ug/l	95
20) Methylene Chloride	4.468	84	123417	19.94	ug/l	91
21) trans-1,2-Dichloroethene	4.950	96	95910	18.31	ug/l	86
22) Diisopropyl ether	5.868	45	367132	18.78	ug/l	91
23) Vinyl Acetate	5.809	43	1505332	96.18	ug/l	96
24) 1,1-Dichloroethane	5.758	63	214756	19.00	ug/l	96
25) 2-Butanone	6.753	43	361525	100.50	ug/l	93
26) 2,2-Dichloropropane	6.734	77	130755	13.78	ug/l	96
27) cis-1,2-Dichloroethene	6.745	96	111511	18.57	ug/l	90
28) Bromochloromethane	7.112	49	100137	19.16	ug/l	# 79
29) Tetrahydrofuran	7.131	42	246119	103.12	ug/l	96
30) Chloroform	7.292	83	205651	19.06	ug/l	97
31) Cyclohexane	7.579	56	166538	17.07	ug/l	95
32) 1,1,1-Trichloroethane	7.490	97	177202	19.04	ug/l	97
36) 1,1-Dichloropropene	7.713	75	139067	17.19	ug/l	97
37) Ethyl Acetate	6.847	43	166663	20.21	ug/l	97
38) Carbon Tetrachloride	7.697	117	154755	18.34	ug/l	100
39) Methylcyclohexane	9.016	83	138681	15.38	ug/l	91
40) Benzene	7.968	78	458458	18.05	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.093	41	67270	18.99	ug/l #	100
42) 1,2-Dichloroethane	8.054	62	168607	18.61	ug/l	96
43) Isopropyl Acetate	8.094	43	253375	18.93	ug/l #	89
44) Trichloroethene	8.770	130	98350	17.58	ug/l	89
45) 1,2-Dichloropropane	9.054	63	127188	17.92	ug/l	100
46) Dibromomethane	9.142	93	77111	18.42	ug/l	91
47) Bromodichloromethane	9.338	83	169319	18.71	ug/l	97
48) Methyl methacrylate	9.140	41	108782	18.34	ug/l	96
49) 1,4-Dioxane	9.137	88	36422	387.33	ug/l #	84
51) 4-Methyl-2-Pentanone	9.923	43	758735	98.03	ug/l	96
52) Toluene	10.094	92	263999	17.68	ug/l	99
53) t-1,3-Dichloropropene	10.325	75	159534	16.53	ug/l	96
54) cis-1,3-Dichloropropene	9.778	75	179505	16.85	ug/l	98
55) 1,1,2-Trichloroethane	10.502	97	110226	18.61	ug/l	95
56) Ethyl methacrylate	10.373	69	138127	18.47	ug/l	94
57) 1,3-Dichloropropane	10.650	76	188034	17.91	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.636	63	142197	100.25	ug/l	92
59) 2-Hexanone	10.695	43	466815	101.56	ug/l	95
60) Dibromochloromethane	10.843	129	120840	18.22	ug/l	99
61) 1,2-Dibromoethane	10.947	107	106419	18.44	ug/l	99
64) Tetrachloroethene	10.572	164	83095	16.93	ug/l	96
65) Chlorobenzene	11.376	112	269538	17.54	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.452	131	107524	18.04	ug/l	98
67) Ethyl Benzene	11.457	91	462196	17.08	ug/l	97
68) m/p-Xylenes	11.567	106	340951	33.86	ug/l	91
69) o-Xylene	11.894	106	164713	16.90	ug/l	92
70) Styrene	11.913	104	255621	18.02	ug/l	93
71) Bromoform	12.076	173	79813	18.53	ug/l #	98
73) Isopropylbenzene	12.194	105	434870	17.67	ug/l	99
74) N-amyl acetate	12.058	43	8963m	2.02	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.452	83	167421	19.41	ug/l	96
76) 1,2,3-Trichloropropane	12.500	75	150196m	19.88	ug/l	
77) Bromobenzene	12.473	156	105182	18.12	ug/l	80
78) n-propylbenzene	12.538	91	501518	17.95	ug/l	96
79) 2-Chlorotoluene	12.621	91	329344	18.00	ug/l	95
80) 1,3,5-Trimethylbenzene	12.680	105	387679	18.06	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.253	75	29530	16.43	ug/l	93
82) 4-Chlorotoluene	12.720	91	313699	17.81	ug/l	93
83) tert-Butylbenzene	12.940	119	321886	17.87	ug/l	97
84) 1,2,4-Trimethylbenzene	12.988	105	361515	17.64	ug/l	99
85) sec-Butylbenzene	13.117	105	404869	17.31	ug/l	98
86) p-Isopropyltoluene	13.238	119	336487	16.74	ug/l	97
87) 1,3-Dichlorobenzene	13.232	146	177916	17.67	ug/l	97
88) 1,4-Dichlorobenzene	13.310	146	177104	17.49	ug/l	96
89) n-Butylbenzene	13.568	91	250710	17.69	ug/l	97
90) Hexachloroethane	13.817	117	84434	18.66	ug/l	100
91) 1,2-Dichlorobenzene	13.600	146	188563	18.72	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.227	75	30038	19.65	ug/l	75
93) 1,2,4-Trichlorobenzene	14.858	180	92071	17.28	ug/l	99
94) Hexachlorobutadiene	14.952	225	58112	17.82	ug/l	98
95) Naphthalene	15.078	128	251804	18.07	ug/l	98
96) 1,2,3-Trichlorobenzene	15.257	180	92672	17.94	ug/l	96

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

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