

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052121\
 Data File : VN067162.D
 Acq On : 21 May 2021 16:23
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

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 5/24/2021 3:52:51 PM

Quant Time: May 21 16:44:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052121W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 21 16:43:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.597	168	239793	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.522	114	457095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.357	117	425353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.296	152	166953	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.959	65	399513	141.64	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 283.28%#			
35) Dibromofluoromethane	7.516	113	303064	101.74	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 203.48%#			
50) Toluene-d8	10.035	98	1183097	104.73	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 209.46%#			
62) 4-Bromofluorobenzene	12.352	95	446855	116.84	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 233.68%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.852	85	331128	139.85	ug/l	97
3) Chloromethane	2.053	50	450075	152.34	ug/l	99
4) Vinyl Chloride	2.179	62	398155	139.94	ug/l	98
5) Bromomethane	2.504	94	150840	79.84	ug/l	100
6) Chloroethane	2.654	64	199846	119.73	ug/l	98
7) Trichlorofluoromethane	2.976	101	463517	128.65	ug/l	97
8) Diethyl Ether	3.367	74	213466	138.19	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.700	101	296085	128.68	ug/l	86
10) Methyl Iodide	3.893	142	435260	117.75	ug/l	93
11) Tert butyl alcohol	4.732	59	404716	813.51	ug/l	# 83
12) 1,1-Dichloroethene	3.678	96	310944	130.31	ug/l	86
13) Acrolein	3.558	56	357695	1373.82	ug/l	97
14) Allyl chloride	4.255	41	669051	168.95	ug/l	# 93
15) Acrylonitrile	4.907	53	903935	832.55	ug/l	98
16) Acetone	3.767	43	792112	854.41	ug/l	94
17) Carbon Disulfide	3.992	76	953781	144.70	ug/l	99
18) Methyl Acetate	4.263	43	459948	169.38	ug/l	90
19) Methyl tert-butyl Ether	4.968	73	1025908	140.19	ug/l	96
20) Methylene Chloride	4.480	84	366966	120.11	ug/l	# 85
21) trans-1,2-Dichloroethene	4.960	96	330901	130.21	ug/l	87
22) Diisopropyl ether	5.872	45	1151891	159.72	ug/l	# 93
23) Vinyl Acetate	5.813	43	5473906	854.76	ug/l	# 93
24) 1,1-Dichloroethane	5.765	63	669337	142.64	ug/l	97
25) 2-Butanone	6.755	43	1369788	934.78	ug/l	90
26) 2,2-Dichloropropane	6.741	77	542428	127.78	ug/l	97
27) cis-1,2-Dichloroethene	6.747	96	390573	128.80	ug/l	89
28) Bromochloromethane	7.117	49	325759	161.83	ug/l	# 68
29) Tetrahydrofuran	7.136	42	844980	925.24	ug/l	# 85
30) Chloroform	7.296	83	648037	136.94	ug/l	98
31) Cyclohexane	7.581	56	573133	143.26	ug/l	86
32) 1,1,1-Trichloroethane	7.498	97	561733	132.62	ug/l	96
36) 1,1-Dichloropropene	7.720	75	490956	115.67	ug/l	96
37) Ethyl Acetate	6.851	43	569215	142.63	ug/l	95
38) Carbon Tetrachloride	7.701	117	464028	104.40	ug/l	98
39) Methylcyclohexane	9.021	83	549083	110.94	ug/l	90
40) Benzene	7.972	78	1510793	116.84	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.090	41	262082	159.85	ug/l #	85
42) 1,2-Dichloroethane	8.058	62	511407	121.89	ug/l	97
43) Isopropyl Acetate	8.098	43	970501	147.58	ug/l #	85
44) Trichloroethene	8.774	130	341813	96.93	ug/l	83
45) 1,2-Dichloropropane	9.056	63	414293	121.69	ug/l	98
46) Dibromomethane	9.150	93	251362	111.93	ug/l #	82
47) Bromodichloromethane	9.345	83	537549	115.46	ug/l	98
48) Methyl methacrylate	9.142	41	453050	161.46	ug/l	85
49) 1,4-Dioxane	9.147	88	118196	2620.40	ug/l #	87
51) 4-Methyl-2-Pentanone	9.927	43	2884808	789.03	ug/l	93
52) Toluene	10.099	92	924801	111.79	ug/l	98
53) t-1,3-Dichloropropene	10.327	75	605282	121.98	ug/l	100
54) cis-1,3-Dichloropropene	9.783	75	656011	118.16	ug/l #	88
55) 1,1,2-Trichloroethane	10.509	97	358844	109.42	ug/l	97
56) Ethyl methacrylate	10.378	69	609785	134.16	ug/l #	82
57) 1,3-Dichloropropane	10.654	76	630524	119.16	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.638	63	508688	777.21	ug/l	90
59) 2-Hexanone	10.700	43	1973045	843.41	ug/l	91
60) Dibromochloromethane	10.850	129	388107	103.12	ug/l	100
61) 1,2-Dibromoethane	10.952	107	373671	111.82	ug/l	100
64) Tetrachloroethene	10.579	164	281681	78.52	ug/l	92
65) Chlorobenzene	11.381	112	933231	99.79	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.456	131	342353	93.08	ug/l	100
67) Ethyl Benzene	11.462	91	1783460	110.73	ug/l	95
68) m/p-Xylenes	11.572	106	1321870	215.80	ug/l	90
69) o-Xylene	11.899	106	644130	104.23	ug/l	88
70) Styrene	11.915	104	1070535	111.18	ug/l	95
71) Bromoform	12.081	173	259385	92.66	ug/l #	100
73) Isopropylbenzene	12.202	105	1689580	117.98	ug/l	96
74) N-amyl acetate	12.025	43	554350	210.95	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.457	83	544986	122.26	ug/l	96
76) 1,2,3-Trichloropropane	12.505	75	516226m	138.50	ug/l	
77) Bromobenzene	12.478	156	361796	104.71	ug/l	67
78) n-propylbenzene	12.542	91	1991038	135.15	ug/l	93
79) 2-Chlorotoluene	12.626	91	1200695	123.47	ug/l	91
80) 1,3,5-Trimethylbenzene	12.685	105	1411257	118.23	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.253	75	174456	162.60	ug/l	90
82) 4-Chlorotoluene	12.725	91	1185612	139.08	ug/l	91
83) tert-Butylbenzene	12.945	119	1182065	106.00	ug/l	89
84) 1,2,4-Trimethylbenzene	12.993	105	1349889	122.76	ug/l	94
85) sec-Butylbenzene	13.124	105	1672335	124.11	ug/l	94
86) p-Isopropyltoluene	13.242	119	1350681	117.10	ug/l	94
87) 1,3-Dichlorobenzene	13.234	146	622039	111.02	ug/l	96
88) 1,4-Dichlorobenzene	13.317	146	619307	106.23	ug/l	96
89) n-Butylbenzene	13.570	91	1168597	130.74	ug/l	96
90) Hexachloroethane	13.824	117	246694	116.13	ug/l	75
91) 1,2-Dichlorobenzene	13.607	146	583072	100.52	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.227	75	95698	141.30	ug/l	72
93) 1,2,4-Trichlorobenzene	14.862	180	304610	105.54	ug/l	97
94) Hexachlorobutadiene	14.962	225	146539	75.28	ug/l	100
95) Naphthalene	15.082	128	899050	144.16	ug/l	100
96) 1,2,3-Trichlorobenzene	15.265	180	286413	106.90	ug/l	97

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

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