

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051421\
 Data File : VN067086.D
 Acq On : 14 May 2021 20:05
 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

MMDadoda
 5/17/2021 4:26:21 PM

Quant Time: May 17 15:20:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051421W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 17 15:13:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.597	168	553671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	833508	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.357	117	753038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.296	152	376932	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.959	65	626002	104.66	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 209.32%#			
35) Dibromofluoromethane	7.519	113	588550	107.53	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 215.06%#			
50) Toluene-d8	10.035	98	2213753	106.72	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 213.44%#			
62) 4-Bromofluorobenzene	12.355	95	797930	114.84	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 229.68%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.852	85	520880	103.38	ug/l	99
3) Chloromethane	2.053	50	591131	96.71	ug/l	100
4) Vinyl Chloride	2.179	62	634356	103.72	ug/l	100
5) Bromomethane	2.517	94	413877	97.65	ug/l	98
6) Chloroethane	2.667	64	374447	102.81	ug/l	98
7) Trichlorofluoromethane	2.984	101	831425	105.09	ug/l	99
8) Diethyl Ether	3.370	74	353913	105.19	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.711	101	530814	104.95	ug/l	99
10) Methyl Iodide	3.901	142	907029	108.80	ug/l	100
11) Tert butyl alcohol	4.714	59	486560	488.00	ug/l #	84
12) 1,1-Dichloroethene	3.689	96	529112	101.64	ug/l	98
13) Acrolein	3.560	56	153939	418.57	ug/l	96
14) Allyl chloride	4.258	41	832522	105.17	ug/l	99
15) Acrylonitrile	4.904	53	1207951	544.66	ug/l	98
16) Acetone	3.764	43	948087	509.99	ug/l	98
17) Carbon Disulfide	4.000	76	1430352	102.54	ug/l	99
18) Methyl Acetate	4.260	43	585968	106.87	ug/l	99
19) Methyl tert-butyl Ether	4.963	73	1667436	105.86	ug/l	100
20) Methylene Chloride	4.483	84	611568	91.30	ug/l	98
21) trans-1,2-Dichloroethene	4.963	96	577822	103.91	ug/l	98
22) Diisopropyl ether	5.872	45	1538015	103.77	ug/l	96
23) Vinyl Acetate	5.813	43	6903068	533.59	ug/l	98
24) 1,1-Dichloroethane	5.765	63	1043162	104.02	ug/l	100
25) 2-Butanone	6.752	43	1596676	551.82	ug/l	99
26) 2,2-Dichloropropane	6.741	77	909413	98.61	ug/l	99
27) cis-1,2-Dichloroethene	6.747	96	691653	104.15	ug/l	98
28) Bromochloromethane	7.117	49	451865	108.60	ug/l	98
29) Tetrahydrofuran	7.133	42	961367	534.06	ug/l	100
30) Chloroform	7.299	83	1074742	104.66	ug/l	99
31) Cyclohexane	7.583	56	804910	97.68	ug/l	99
32) 1,1,1-Trichloroethane	7.500	97	962488	104.09	ug/l	99
36) 1,1-Dichloropropene	7.723	75	802190	105.50	ug/l	99
37) Ethyl Acetate	6.849	43	689103	103.61	ug/l	100
38) Carbon Tetrachloride	7.704	117	860897	106.36	ug/l	99
39) Methylcyclohexane	9.021	83	932769	104.78	ug/l	98
40) Benzene	7.975	78	2454420	106.27	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.090	41	310541	114.57	ug/l	97
42) 1,2-Dichloroethane	8.055	62	782483	105.35	ug/l	99
43) Isopropyl Acetate	8.098	43	1216888	109.18	ug/l	99
44) Trichloroethene	8.777	130	711442	108.36	ug/l	100
45) 1,2-Dichloropropane	9.059	63	638811	105.80	ug/l	98
46) Dibromomethane	9.150	93	429617	106.61	ug/l	99
47) Bromodichloromethane	9.345	83	889527	106.51	ug/l	99
48) Methyl methacrylate	9.142	41	552702	117.09	ug/l	98
49) 1,4-Dioxane	9.142	88	172381	2173.40	ug/l	98
51) 4-Methyl-2-Pentanone	9.927	43	3402495	555.57	ug/l	98
52) Toluene	10.099	92	1604219	107.53	ug/l	98
53) t-1,3-Dichloropropene	10.330	75	996465	111.92	ug/l	100
54) cis-1,3-Dichloropropene	9.783	75	1090344	108.96	ug/l	99
55) 1,1,2-Trichloroethane	10.509	97	630402	106.38	ug/l	99
56) Ethyl methacrylate	10.378	69	942498	119.19	ug/l	99
57) 1,3-Dichloropropane	10.654	76	1038120	109.57	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.638	63	773607	671.62	ug/l	100
59) 2-Hexanone	10.700	43	2289682	601.31	ug/l	99
60) Dibromochloromethane	10.850	129	777711	111.43	ug/l	99
61) 1,2-Dibromoethane	10.955	107	667797	111.78	ug/l	100
64) Tetrachloroethene	10.579	164	659894	99.86	ug/l	98
65) Chlorobenzene	11.384	112	1785323	106.31	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.459	131	697722	104.80	ug/l	99
67) Ethyl Benzene	11.462	91	3010144	106.42	ug/l	98
68) m/p-Xylenes	11.572	106	2434331	222.73	ug/l	96
69) o-Xylene	11.899	106	1199897	109.06	ug/l	99
70) Styrene	11.915	104	1975634	115.24	ug/l	99
71) Bromoform	12.078	173	594185	114.90	ug/l #	100
73) Isopropylbenzene	12.202	105	3044588	96.71	ug/l	99
74) N-amyl acetate	12.025	43	753715	151.63	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.457	83	901069	94.53	ug/l	98
76) 1,2,3-Trichloropropane	12.505	75	795762m	101.52	ug/l	
77) Bromobenzene	12.478	156	814851	104.06	ug/l	99
78) n-propylbenzene	12.545	91	3320009	104.24	ug/l	99
79) 2-Chlorotoluene	12.628	91	2029150	105.42	ug/l	99
80) 1,3,5-Trimethylbenzene	12.687	105	2596169	98.84	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.253	75	273558	121.14	ug/l	97
82) 4-Chlorotoluene	12.725	91	2050822	111.50	ug/l	99
83) tert-Butylbenzene	12.947	119	2327157	93.84	ug/l	100
84) 1,2,4-Trimethylbenzene	12.993	105	2511462	103.70	ug/l	100
85) sec-Butylbenzene	13.124	105	3063343	103.42	ug/l	100
86) p-Isopropyltoluene	13.242	119	2709549	105.41	ug/l	99
87) 1,3-Dichlorobenzene	13.237	146	1411927	111.05	ug/l	99
88) 1,4-Dichlorobenzene	13.317	146	1409867	106.47	ug/l	99
89) n-Butylbenzene	13.570	91	2097863	111.93	ug/l	100
90) Hexachloroethane	13.827	117	483115	102.68	ug/l	100
91) 1,2-Dichlorobenzene	13.607	146	1335738	103.89	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.229	75	150725	107.12	ug/l	99
93) 1,2,4-Trichlorobenzene	14.865	180	755202	112.96	ug/l	98
94) Hexachlorobutadiene	14.964	225	451357	98.04	ug/l	100
95) Naphthalene	15.085	128	1685472	126.31	ug/l	100
96) 1,2,3-Trichlorobenzene	15.265	180	706214	118.73	ug/l	99

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

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