

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100322\
 Data File : VN074711.D
 Acq On : 03 Oct 2022 15:37
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/04/2022
 Supervised By : Mahesh Dadoda 10/05/2022

Quant Time: Oct 04 05:31:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 05:26:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.934	168	236674	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.828	114	422903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	484373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.545	152	342645	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.287	65	639475	107.525	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 215.060%#			
35) Dibromofluoromethane	7.863	113	467562	102.844	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 205.680%#			
50) Toluene-d8	10.310	98	2082472	111.440	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 222.880%#			
62) 4-Bromofluorobenzene	12.604	95	681970	124.956	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 249.920%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.999	85	495098	101.371	ug/l	98
3) Chloromethane	2.216	50	693362	82.134	ug/l	97
4) Vinyl Chloride	2.352	62	1331104	93.981	ug/l	96
5) Bromomethane	2.716	94	1006782	91.279	ug/l	99
6) Chloroethane	2.875	64	1026037	93.215	ug/l	97
7) Trichlorofluoromethane	3.234	101	724812	95.038	ug/l	94
8) Diethyl Ether	3.675	74	318161	94.818	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.040	101	412562	96.150	ug/l	90
10) Methyl Iodide	4.246	142	545406	104.668	ug/l	92
11) Tert butyl alcohol	5.181	59	699175	539.518	ug/l	99
12) 1,1-Dichloroethene	4.022	96	410250	96.342	ug/l	94
13) Acrolein	3.887	56	249909	418.742	ug/l	100
14) Allyl chloride	4.652	41	924943	105.776	ug/l #	91
15) Acrylonitrile	5.363	53	1942501	525.717	ug/l	99
16) Acetone	4.122	43	1517304	467.180	ug/l	98
17) Carbon Disulfide	4.352	76	1237934	99.191	ug/l	98
18) Methyl Acetate	4.669	43	1093564	101.430	ug/l	91
19) Methyl tert-butyl Ether	5.416	73	1838421	108.518	ug/l	100
20) Methylene Chloride	4.893	84	534037	90.295	ug/l #	82
21) trans-1,2-Dichloroethene	5.399	96	492168	106.668	ug/l	91
22) Diisopropyl ether	6.304	45	2136982	110.894	ug/l	95
23) Vinyl Acetate	6.240	43	9232293	631.107	ug/l #	91
24) 1,1-Dichloroethane	6.193	63	1026479	107.440	ug/l	99
25) 2-Butanone	7.157	43	2855018	506.924	ug/l	90
26) 2,2-Dichloropropane	7.146	77	773990	106.934	ug/l	98
27) cis-1,2-Dichloroethene	7.146	96	587441	101.899	ug/l	94
28) Bromochloromethane	7.493	49	523048	114.216	ug/l #	72
29) Tetrahydrofuran	7.510	42	2036091	548.695	ug/l #	86
30) Chloroform	7.657	83	1025135	109.735	ug/l	94
31) Cyclohexane	7.934	56	939179	102.196	ug/l	86
32) 1,1,1-Trichloroethane	7.851	97	871030	108.381	ug/l	96
36) 1,1-Dichloropropene	8.069	75	760104	102.656	ug/l	95
37) Ethyl Acetate	7.240	43	1180511	112.571	ug/l #	93
38) Carbon Tetrachloride	8.045	117	693695	105.944	ug/l	98
39) Methylcyclohexane	9.322	83	954045	106.370	ug/l	97
40) Benzene	8.310	78	2389111	105.832	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.475	41	487226m	98.964	ug/l	
42) 1,2-Dichloroethane	8.381	62	822233	106.417	ug/l	99
43) Isopropyl Acetate	8.416	43	1821132	115.266	ug/l #	90
44) Trichloroethene	9.075	130	498076	99.934	ug/l	85
45) 1,2-Dichloropropane	9.351	63	607429	101.437	ug/l	97
46) Dibromomethane	9.439	93	417496	100.055	ug/l #	84
47) Bromodichloromethane	9.628	83	830098	109.303	ug/l	95
48) Methyl methacrylate	9.428	41	822317	113.604	ug/l	85
49) 1,4-Dioxane	9.434	88	296598	2215.552	ug/l #	92
51) 4-Methyl-2-Pentanone	10.204	43	6553643	575.751	ug/l	89
52) Toluene	10.375	92	1597998	116.350	ug/l	98
53) t-1,3-Dichloropropene	10.592	75	954787	127.562	ug/l	96
54) cis-1,3-Dichloropropene	10.057	75	979174	116.955	ug/l #	88
55) 1,1,2-Trichloroethane	10.775	97	586143	106.089	ug/l	96
56) Ethyl methacrylate	10.639	69	1084008	124.642	ug/l #	79
57) 1,3-Dichloropropane	10.916	76	1048763	105.655	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.916	63	1956656	583.397	ug/l	89
59) 2-Hexanone	10.963	43	5021994	588.825	ug/l	88
60) Dibromochloromethane	11.110	129	611734	121.045	ug/l	99
61) 1,2-Dibromoethane	11.222	107	596160	109.134	ug/l	99
64) Tetrachloroethene	10.845	164	412552	104.399	ug/l	95
65) Chlorobenzene	11.645	112	1531333	104.123	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.716	131	557481	114.891	ug/l	99
67) Ethyl Benzene	11.722	91	3114320	113.628	ug/l	97
68) m/p-Xylenes	11.828	106	2412496	236.186	ug/l	95
69) o-Xylene	12.157	106	1189412	116.020	ug/l	95
70) Styrene	12.169	104	2085423	127.438	ug/l	99
71) Bromoform	12.333	173	483896	135.517	ug/l	99
73) Isopropylbenzene	12.457	105	3202653	101.163	ug/l	97
74) N-amyl acetate	12.269	43	1749636	111.803	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.704	83	1073313	88.890	ug/l	99
76) 1,2,3-Trichloropropane	12.757	75	777099m	81.998	ug/l	
77) Bromobenzene	12.733	156	647249	95.639	ug/l	83
78) n-propylbenzene	12.798	91	3806004	105.005	ug/l	95
79) 2-Chlorotoluene	12.880	91	2119913	99.260	ug/l	96
80) 1,3,5-Trimethylbenzene	12.933	105	2629728	104.060	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.504	75	365213	123.139	ug/l	93
82) 4-Chlorotoluene	12.980	91	2161725	104.649	ug/l	97
83) tert-Butylbenzene	13.198	119	2252126	99.611	ug/l	95
84) 1,2,4-Trimethylbenzene	13.245	105	2706050	111.182	ug/l	96
85) sec-Butylbenzene	13.374	105	3382172	104.919	ug/l	96
86) p-Isopropyltoluene	13.492	119	2817715	114.022	ug/l	97
87) 1,3-Dichlorobenzene	13.486	146	1313920	102.166	ug/l	100
88) 1,4-Dichlorobenzene	13.569	146	1279828	101.572	ug/l	97
89) n-Butylbenzene	13.816	91	2521160	112.965	ug/l	95
90) Hexachloroethane	14.086	117	440977	105.225	ug/l	81
91) 1,2-Dichlorobenzene	13.863	146	1324830	105.901	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.474	75	210811	94.842	ug/l	89
93) 1,2,4-Trichlorobenzene	15.127	180	606287	109.913	ug/l	99
94) Hexachlorobutadiene	15.227	225	259987	93.213	ug/l	98
95) Naphthalene	15.363	128	2429163	115.892	ug/l	100
96) 1,2,3-Trichlorobenzene	15.551	180	609288	104.669	ug/l	99

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

