

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050923\
 Data File : VN077628.D
 Acq On : 09 May 2023 12:58
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/09/2023
 Supervised By : Mahesh Dadoda 05/10/2023

Quant Time: May 09 13:28:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050923W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 09 13:25:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	651197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1201051	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1080677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	488297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	835449	101.160	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 202.320%#			
35) Dibromofluoromethane	8.172	113	752638	100.477	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 200.960%#			
50) Toluene-d8	10.571	98	2978760	105.034	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 210.060%#			
62) 4-Bromofluorobenzene	12.848	95	1068552	111.400	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 222.800%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.131	85	701365	96.352	ug/l	100
3) Chloromethane	2.372	50	552821	99.246	ug/l	97
4) Vinyl Chloride	2.525	62	827455	95.290	ug/l	99
5) Bromomethane	2.937	94	651589	94.511	ug/l	97
6) Chloroethane	3.113	64	555896	92.322	ug/l	99
7) Trichlorofluoromethane	3.495	101	1310637	96.289	ug/l	98
8) Diethyl Ether	3.966	74	400648	100.121	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.372	101	634235	93.251	ug/l	99
10) Methyl Iodide	4.595	142	1062906	105.858	ug/l	97
11) Tert butyl alcohol	5.531	59	467900	481.614	ug/l	100
12) 1,1-Dichloroethene	4.342	96	628036	97.177	ug/l	94
13) Acrolein	4.184	56	466153	495.068	ug/l	99
14) Allyl chloride	5.031	41	693018	107.966	ug/l	97
15) Acrylonitrile	5.725	53	1222559	508.756	ug/l	99
16) Acetone	4.431	43	886000	450.432	ug/l	100
17) Carbon Disulfide	4.713	76	1586749	102.100	ug/l	99
18) Methyl Acetate	5.031	43	754633	97.070	ug/l	95
19) Methyl tert-butyl Ether	5.801	73	2206133	103.740	ug/l	96
20) Methylene Chloride	5.278	84	726260	89.360	ug/l	94
21) trans-1,2-Dichloroethene	5.795	96	747071	102.197	ug/l	96
22) Diisopropyl ether	6.678	45	1591701	100.447	ug/l	96
23) Vinyl Acetate	6.613	43	5026878m	555.921	ug/l	
24) 1,1-Dichloroethane	6.572	63	1194212	99.415	ug/l	98
25) 2-Butanone	7.489	43	1345634	469.434	ug/l	96
26) 2,2-Dichloropropane	7.495	77	1122156	103.078	ug/l	97
27) cis-1,2-Dichloroethene	7.489	96	874411	98.334	ug/l	96
28) Bromochloromethane	7.819	49	451380	102.983	ug/l	84
29) Tetrahydrofuran	7.836	42	890922	505.971	ug/l	92
30) Chloroform	7.972	83	1440769	101.204	ug/l	97
31) Cyclohexane	8.260	56	939764	89.040	ug/l	87
32) 1,1,1-Trichloroethane	8.172	97	1336728	101.978	ug/l	97
36) 1,1-Dichloropropene	8.377	75	1019266	98.600	ug/l	99
37) Ethyl Acetate	7.566	43	575259	97.323	ug/l	97
38) Carbon Tetrachloride	8.366	117	1141054	101.039	ug/l	99
39) Methylcyclohexane	9.601	83	1293174	100.773	ug/l	97
40) Benzene	8.613	78	3068911	98.134	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	330695	102.398	ug/l	94
42) 1,2-Dichloroethane	8.672	62	1013570	96.653	ug/l	98
43) Isopropyl Acetate	8.695	43	1058182	102.107	ug/l	92
44) Trichloroethene	9.354	130	820569	99.888	ug/l	97
45) 1,2-Dichloropropane	9.624	63	683642	95.074	ug/l	96
46) Dibromomethane	9.713	93	564931	100.999	ug/l	95
47) Bromodichloromethane	9.889	83	1157418	105.942	ug/l	95
48) Methyl methacrylate	9.683	41	478624	98.400	ug/l	91
49) 1,4-Dioxane	9.695	88	282216	1950.929	ug/l	94
51) 4-Methyl-2-Pentanone	10.448	43	2953958	484.498	ug/l	94
52) Toluene	10.630	92	2147715	103.254	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	1210467	113.719	ug/l	98
54) cis-1,3-Dichloropropene	10.313	75	1283801	106.010	ug/l	94
55) 1,1,2-Trichloroethane	11.019	97	806865	100.044	ug/l	98
56) Ethyl methacrylate	10.877	69	1105367	108.679	ug/l #	88
57) 1,3-Dichloropropane	11.166	76	1283020	98.964	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	2359460	498.710	ug/l	96
59) 2-Hexanone	11.201	43	2145321	497.860	ug/l	93
60) Dibromochloromethane	11.360	129	903487	112.846	ug/l	99
61) 1,2-Dibromoethane	11.471	107	842472	106.251	ug/l	99
64) Tetrachloroethene	11.107	164	644996	100.285	ug/l	99
65) Chlorobenzene	11.895	112	2301024	103.587	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.966	131	828944	103.580	ug/l	98
67) Ethyl Benzene	11.966	91	4134869	106.026	ug/l	98
68) m/p-Xylenes	12.071	106	3300830	213.770	ug/l	98
69) o-Xylene	12.401	106	1625135	105.004	ug/l	100
70) Styrene	12.413	104	2728000	115.091	ug/l	98
71) Bromoform	12.577	173	574814	118.355	ug/l #	99
73) Isopropylbenzene	12.695	105	4213971	96.740	ug/l	99
74) N-amyl acetate	12.495	43	972501	101.163	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.942	83	1098164	91.706	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	931974m	96.907	ug/l	
77) Bromobenzene	12.983	156	913571	94.699	ug/l	94
78) n-propylbenzene	13.036	91	4828879	103.272	ug/l	99
79) 2-Chlorotoluene	13.130	91	2899738	97.368	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	3645861	109.404	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	342650	108.273	ug/l	97
82) 4-Chlorotoluene	13.224	91	2862691	102.497	ug/l	99
83) tert-Butylbenzene	13.442	119	3054698	97.548	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	3563998	113.801	ug/l	99
85) sec-Butylbenzene	13.618	105	4464223	105.904	ug/l	100
86) p-Isopropyltoluene	13.730	119	3675225	111.495	ug/l	98
87) 1,3-Dichlorobenzene	13.736	146	1723662	102.794	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	1711925	102.700	ug/l	99
89) n-Butylbenzene	14.059	91	3132698	119.928	ug/l	99
90) Hexachloroethane	14.336	117	657468	104.004	ug/l	93
91) 1,2-Dichlorobenzene	14.107	146	1652896	99.148	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	207969	98.136	ug/l	94
93) 1,2,4-Trichlorobenzene	15.395	180	772390	103.101	ug/l	97
94) Hexachlorobutadiene	15.506	225	355469	99.800	ug/l	98
95) Naphthalene	15.642	128	2663362	102.572	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	718821	103.134	ug/l	97

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

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