

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
 Data File : VN085772.D
 Acq On : 18 Feb 2025 11:09
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/19/2025
 Supervised By : Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 03:15:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:03:15 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	290979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	458183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	412615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	208401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	406028	107.630	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 215.260%#			
35) Dibromofluoromethane	8.159	113	343729	114.648	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 229.300%#			
50) Toluene-d8	10.559	98	1323681	121.348	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 242.700%#			
62) 4-Bromofluorobenzene	12.841	95	460996	128.269	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 256.540%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	403621	101.979	ug/l	99
3) Chloromethane	2.359	50	376343	94.759	ug/l	99
4) Vinyl Chloride	2.512	62	406434	96.652	ug/l	100
5) Bromomethane	2.948	94	252576	93.935	ug/l	99
6) Chloroethane	3.118	64	260404	93.490	ug/l	97
7) Trichlorofluoromethane	3.495	101	587970	96.574	ug/l	98
8) Diethyl Ether	3.959	74	199406	101.225	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	350536	99.604	ug/l	98
10) Methyl Iodide	4.583	142	444531	102.472	ug/l	98
11) Tert butyl alcohol	5.506	59	210616	453.930	ug/l	100
12) 1,1-Dichloroethene	4.336	96	323037	101.234	ug/l	96
13) Acrolein	4.171	56	337091	489.916	ug/l	98
14) Allyl chloride	5.018	41	434760	103.773	ug/l	97
15) Acrylonitrile	5.706	53	761272	504.697	ug/l	99
16) Acetone	4.418	43	567220	475.190	ug/l	99
17) Carbon Disulfide	4.706	76	910987	96.328	ug/l	99
18) Methyl Acetate	5.012	43	379901	92.531	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	1016766	107.229	ug/l	100
20) Methylene Chloride	5.271	84	365222	95.142	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	340161	99.001	ug/l	96
22) Diisopropyl ether	6.665	45	1015041	107.223	ug/l	99
23) Vinyl Acetate	6.594	43	3542783	548.253	ug/l	100
24) 1,1-Dichloroethane	6.565	63	638203	99.172	ug/l	98
25) 2-Butanone	7.471	43	896027	510.235	ug/l	100
26) 2,2-Dichloropropane	7.483	77	572429	100.033	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	410066	102.929	ug/l	99
28) Bromochloromethane	7.806	49	280092	105.895	ug/l	97
29) Tetrahydrofuran	7.830	42	599504	528.664	ug/l	100
30) Chloroform	7.959	83	651761	96.914	ug/l	99
31) Cyclohexane	8.253	56	511031	94.843	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	589206	98.502	ug/l	98
36) 1,1-Dichloropropene	8.365	75	466531	109.949	ug/l	99
37) Ethyl Acetate	7.553	43	366887	105.069	ug/l	99
38) Carbon Tetrachloride	8.353	117	524870	104.105	ug/l	98
39) Methylcyclohexane	9.594	83	513492	123.184	ug/l	98
40) Benzene	8.600	78	1448660	106.522	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	203689	109.119	ug/l	95
42) 1,2-Dichloroethane	8.665	62	457707	103.326	ug/l	100
43) Isopropyl Acetate	8.683	43	616521	101.163	ug/l	98
44) Trichloroethene	9.347	130	339019	101.529	ug/l	100
45) 1,2-Dichloropropane	9.618	63	345721	105.316	ug/l	99
46) Dibromomethane	9.700	93	243628	105.216	ug/l	100
47) Bromodichloromethane	9.883	83	521496	105.269	ug/l	99
48) Methyl methacrylate	9.677	41	304067	117.252	ug/l	100
49) 1,4-Dioxane	9.688	88	100443	2036.793	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	1896777	563.403	ug/l	100
52) Toluene	10.624	92	910251	114.182	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	527815	115.223	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	573653	114.202	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	330642	104.317	ug/l	99
56) Ethyl methacrylate	10.871	69	510041	100.007	ug/l	100
57) 1,3-Dichloropropane	11.159	76	567039	107.169	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	1216927	502.158	ug/l	99
59) 2-Hexanone	11.188	43	1358126	586.394	ug/l	99
60) Dibromochloromethane	11.353	129	402920	109.169	ug/l	99
61) 1,2-Dibromoethane	11.465	107	324747	108.439	ug/l	99
64) Tetrachloroethene	11.100	164	316658	99.063	ug/l	97
65) Chlorobenzene	11.888	112	976337	103.290	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	346777	102.068	ug/l	100
67) Ethyl Benzene	11.959	91	1736848	117.301	ug/l	100
68) m/p-Xylenes	12.065	106	1335750	237.496	ug/l	99
69) o-Xylene	12.394	106	635879	118.977	ug/l	99
70) Styrene	12.406	104	1095464	100.012	ug/l	100
71) Bromoform	12.576	173	269816	106.877	ug/l #	98
73) Isopropylbenzene	12.688	105	1605096	112.422	ug/l	100
74) N-amyl acetate	12.488	43	546485	108.541	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	447332	91.050	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	401864m	87.774	ug/l	
77) Bromobenzene	12.976	156	395882	102.631	ug/l	100
78) n-propylbenzene	13.029	91	1905758	116.552	ug/l	100
79) 2-Chlorotoluene	13.118	91	1158348	106.029	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	1351753	116.226	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	170494	107.459	ug/l	96
82) 4-Chlorotoluene	13.218	91	1173182	108.322	ug/l	99
83) tert-Butylbenzene	13.435	119	1136802	116.235	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	1378080	119.764	ug/l	100
85) sec-Butylbenzene	13.612	105	1610382	116.540	ug/l	100
86) p-Isopropyltoluene	13.723	119	1374884	99.983	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	738679	102.213	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	729470	98.484	ug/l	99
89) n-Butylbenzene	14.053	91	1179057	120.179	ug/l	99
90) Hexachloroethane	14.329	117	258559	98.800	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	691905	99.562	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	82545	91.495	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	365599	110.404	ug/l	99
94) Hexachlorobutadiene	15.494	225	181264	90.068	ug/l	98
95) Naphthalene	15.635	128	1053414	115.870	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	343936	103.456	ug/l	99

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

