

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052825\
 Data File : VN086790.D
 Acq On : 28 May 2025 10:58
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/29/2025
 Supervised By : Mahesh Dadoda 05/29/2025

Quant Time: May 29 03:54:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	194902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	356866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	328898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	156869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	126872	47.108	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.220%		
35) Dibromofluoromethane	8.159	113	101217	47.625	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.260%		
50) Toluene-d8	10.559	98	419760	47.661	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.320%		
62) 4-Bromofluorobenzene	12.847	95	155693	50.065	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	101983	48.452	ug/l	98
3) Chloromethane	2.359	50	147949	46.473	ug/l	98
4) Vinyl Chloride	2.512	62	130919	45.790	ug/l	97
5) Bromomethane	2.948	94	72673	44.091	ug/l	96
6) Chloroethane	3.118	64	84816	45.284	ug/l	91
7) Trichlorofluoromethane	3.501	101	157952	46.228	ug/l	98
8) Diethyl Ether	3.959	74	78134	55.355	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	101152	49.450	ug/l	98
10) Methyl Iodide	4.583	142	123204	48.420	ug/l	97
11) Tert butyl alcohol	5.506	59	100610	205.119	ug/l	99
12) 1,1-Dichloroethene	4.336	96	103834	47.764	ug/l	93
13) Acrolein	4.177	56	118041	225.118	ug/l	99
14) Allyl chloride	5.018	41	160027	48.635	ug/l	95
15) Acrylonitrile	5.712	53	302907	249.418	ug/l	98
16) Acetone	4.418	43	213206	211.633	ug/l	94
17) Carbon Disulfide	4.712	76	281846	46.828	ug/l	100
18) Methyl Acetate	5.018	43	147264	52.227	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	396283	53.537	ug/l	96
20) Methylene Chloride	5.277	84	130160	48.960	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	113028	49.177	ug/l	99
22) Diisopropyl ether	6.665	45	381960	51.455	ug/l	96
23) Vinyl Acetate	6.600	43	647234	116.012	ug/l	99
24) 1,1-Dichloroethane	6.565	63	216492	49.673	ug/l	99
25) 2-Butanone	7.477	43	366002	235.105	ug/l	98
26) 2,2-Dichloropropane	7.483	77	179253	49.838	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	145593	51.607	ug/l	99
28) Bromochloromethane	7.812	49	100245	50.625	ug/l	95
29) Tetrahydrofuran	7.836	42	238977	235.185	ug/l	97
30) Chloroform	7.959	83	218839	50.166	ug/l	99
31) Cyclohexane	8.253	56	177010	43.792	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	176100	47.880	ug/l	98
36) 1,1-Dichloropropene	8.365	75	147720	47.121	ug/l	99
37) Ethyl Acetate	7.553	43	140737	44.443	ug/l	99
38) Carbon Tetrachloride	8.359	117	147173	47.648	ug/l	99
39) Methylcyclohexane	9.594	83	166539	49.084	ug/l	98
40) Benzene	8.600	78	513175	50.181	ug/l	99

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	83646	48.922	ug/l	96
42) 1,2-Dichloroethane	8.665	62	156401	49.090	ug/l	98
43) Isopropyl Acetate	8.683	43	258305	40.689	ug/l	94
44) Trichloroethene	9.347	130	163765	66.393	ug/l	97
45) 1,2-Dichloropropane	9.618	63	127807	52.609	ug/l	98
46) Dibromomethane	9.706	93	83936	51.204	ug/l	99
47) Bromodichloromethane	9.882	83	178240	52.772	ug/l	99
48) Methyl methacrylate	9.677	41	117280	47.676	ug/l	94
49) 1,4-Dioxane	9.688	88	45737	878.056	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	750640	234.475	ug/l	97
52) Toluene	10.624	92	319337	50.241	ug/l	98
53) t-1,3-Dichloropropene	10.829	75	194956	54.517	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	211210	54.105	ug/l	95
55) 1,1,2-Trichloroethane	11.012	97	122934	51.849	ug/l	98
56) Ethyl methacrylate	10.871	69	201500	52.931	ug/l	94
57) 1,3-Dichloropropane	11.159	76	211355	51.744	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.153	63	476929	280.318	ug/l	99
59) 2-Hexanone	11.194	43	540087	231.022	ug/l	97
60) Dibromochloromethane	11.353	129	136254	54.835	ug/l	99
61) 1,2-Dibromoethane	11.465	107	122386	51.367	ug/l	100
64) Tetrachloroethene	11.100	164	178358	70.790	ug/l	97
65) Chlorobenzene	11.888	112	358417	49.696	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	120198	51.625	ug/l	98
67) Ethyl Benzene	11.959	91	598720	48.467	ug/l	99
68) m/p-Xylenes	12.065	106	471608	100.794	ug/l	97
69) o-Xylene	12.394	106	231741	49.818	ug/l	98
70) Styrene	12.406	104	396702	52.089	ug/l	99
71) Bromoform	12.576	173	86991	52.536	ug/l #	97
73) Isopropylbenzene	12.694	105	539551	44.533	ug/l	99
74) N-amyl acetate	12.488	43	194938	38.510	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	98556	26.478	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	172738m	48.690	ug/l	
77) Bromobenzene	12.976	156	141196	46.329	ug/l	97
78) n-propylbenzene	13.029	91	637423	45.845	ug/l	99
79) 2-Chlorotoluene	13.123	91	411841	45.555	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	457182	47.099	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	64391	45.804	ug/l	89
82) 4-Chlorotoluene	13.218	91	419151	46.798	ug/l	100
83) tert-Butylbenzene	13.435	119	385430	45.531	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	469787	48.601	ug/l	99
85) sec-Butylbenzene	13.612	105	531162	46.796	ug/l	100
86) p-Isopropyltoluene	13.723	119	459830	49.423	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	260102	49.285	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	262455	50.193	ug/l	99
89) n-Butylbenzene	14.053	91	388294	50.343	ug/l	99
90) Hexachloroethane	14.329	117	74309	48.137	ug/l	100
91) 1,2-Dichlorobenzene	14.100	146	254177	50.636	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	27920	45.280	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	120480	56.862	ug/l	99
94) Hexachlorobutadiene	15.494	225	44346	50.445	ug/l	97
95) Naphthalene	15.635	128	388324	52.783	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	113220	54.565	ug/l	99

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

