

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091825\
 Data File : VN087885.D
 Acq On : 18 Sep 2025 10:25
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/19/2025
 Supervised By : Mahesh Dadoda 09/19/2025

Quant Time: Sep 19 03:00:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	263554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	461308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	428199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	237545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	220281	40.793	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	81.580%		
35) Dibromofluoromethane	8.147	113	172218	51.707	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.420%		
50) Toluene-d8	10.547	98	602029	48.294	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.580%		
62) 4-Bromofluorobenzene	12.829	95	220256	49.682	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	198385	52.999	ug/l	98
3) Chloromethane	2.383	50	187214	48.668	ug/l	97
4) Vinyl Chloride	2.536	62	201384	45.151	ug/l	98
5) Bromomethane	2.953	94	126945	55.160	ug/l	98
6) Chloroethane	3.124	64	132212	42.175	ug/l	94
7) Trichlorofluoromethane	3.506	101	333332	51.010	ug/l	96
8) Diethyl Ether	3.959	74	121021	42.524	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.359	101	179511	48.548	ug/l	95
10) Methyl Iodide	4.577	142	152894	54.603	ug/l	98
11) Tert butyl alcohol	5.524	59	217078	231.563	ug/l	98
12) 1,1-Dichloroethene	4.330	96	173762	45.730	ug/l	93
13) Acrolein	4.171	56	310089	269.066	ug/l	100
14) Allyl chloride	5.012	41	297155	43.155	ug/l	94
15) Acrylonitrile	5.706	53	660065	249.663	ug/l	97
16) Acetone	4.424	43	629366	214.103	ug/l	95
17) Carbon Disulfide	4.700	76	540947	51.712	ug/l	98
18) Methyl Acetate	5.012	43	318197	51.699	ug/l	96
19) Methyl tert-butyl Ether	5.783	73	716183	50.243	ug/l	96
20) Methylene Chloride	5.259	84	224197	52.799	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	208391	50.603	ug/l	89
22) Diisopropyl ether	6.659	45	714268	48.068	ug/l	98
23) Vinyl Acetate	6.589	43	3244308	239.981	ug/l	99
24) 1,1-Dichloroethane	6.547	63	389637	47.824	ug/l	99
25) 2-Butanone	7.471	43	926586	239.593	ug/l	98
26) 2,2-Dichloropropane	7.471	77	363491	51.982	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	252850	51.359	ug/l	96
28) Bromochloromethane	7.794	49	165084	41.912	ug/l	92
29) Tetrahydrofuran	7.824	42	588653	236.516	ug/l	97
30) Chloroform	7.947	83	420650	50.584	ug/l	99
31) Cyclohexane	8.235	56	320745	47.223	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	366141	51.954	ug/l	94
36) 1,1-Dichloropropene	8.353	75	274170	53.658	ug/l	97
37) Ethyl Acetate	7.547	43	362061	51.855	ug/l	96
38) Carbon Tetrachloride	8.341	117	309946	61.438	ug/l	96
39) Methylcyclohexane	9.582	83	325476	57.858	ug/l	96
40) Benzene	8.588	78	869356	55.472	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	186525	51.572	ug/l	94
42) 1,2-Dichloroethane	8.653	62	316355	52.530	ug/l	100
43) Isopropyl Acetate	8.671	43	569864	52.276	ug/l	97
44) Trichloroethene	9.335	130	206567	57.732	ug/l	99
45) 1,2-Dichloropropane	9.600	63	220574	53.395	ug/l	100
46) Dibromomethane	9.688	93	169639	57.707	ug/l	93
47) Bromodichloromethane	9.871	83	342636	56.872	ug/l	99
48) Methyl methacrylate	9.665	41	270324	52.427	ug/l	98
49) 1,4-Dioxane	9.682	88	75146	1124.404	ug/l #	96
51) 4-Methyl-2-Pentanone	10.424	43	1776769	270.148	ug/l	98
52) Toluene	10.612	92	556938	57.324	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	357164	57.273	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	370619	57.237	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	215713	57.394	ug/l	98
56) Ethyl methacrylate	10.853	69	348444	58.011	ug/l	97
57) 1,3-Dichloropropane	11.141	76	372069	55.936	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	781024	240.238	ug/l	95
59) 2-Hexanone	11.176	43	1244997	299.518	ug/l	97
60) Dibromochloromethane	11.335	129	262393	60.252	ug/l	98
61) 1,2-Dibromoethane	11.447	107	228479	57.652	ug/l	99
64) Tetrachloroethene	11.082	164	172956	58.219	ug/l	94
65) Chlorobenzene	11.871	112	611770	57.427	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	222486	62.909	ug/l	99
67) Ethyl Benzene	11.941	91	1079219	58.511	ug/l	100
68) m/p-Xylenes	12.047	106	825857	122.087	ug/l	95
69) o-Xylene	12.376	106	392736	59.244	ug/l	96
70) Styrene	12.388	104	682953	61.494	ug/l	99
71) Bromoform	12.559	173	183511	67.658	ug/l	97
73) Isopropylbenzene	12.676	105	1039501	54.154	ug/l	98
74) N-amyl acetate	12.500	43	333323m	45.822	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	337362	51.049	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	261927m	47.020	ug/l	
77) Bromobenzene	12.959	156	253661	56.047	ug/l	91
78) n-propylbenzene	13.012	91	1274915	53.922	ug/l	99
79) 2-Chlorotoluene	13.106	91	744561	52.329	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	884686	54.329	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.718	75	119761	56.916	ug/l	83
82) 4-Chlorotoluene	13.200	91	767012	51.272	ug/l	95
83) tert-Butylbenzene	13.417	119	757068	55.792	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	897422	55.054	ug/l	99
85) sec-Butylbenzene	13.594	105	1107137	54.981	ug/l	99
86) p-Isopropyltoluene	13.706	119	944089	56.777	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	499603	56.055	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	505219	54.470	ug/l	98
89) n-Butylbenzene	14.035	91	880168	53.298	ug/l	97
90) Hexachloroethane	14.312	117	180353	56.931	ug/l	88
91) 1,2-Dichlorobenzene	14.082	146	467754	55.319	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	77271	49.220	ug/l	90
93) 1,2,4-Trichlorobenzene	15.364	180	295064	58.112	ug/l	97
94) Hexachlorobutadiene	15.470	225	102587	56.672	ug/l	99
95) Naphthalene	15.611	128	963151	53.554	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	283758	57.165	ug/l	99

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

