

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091825\
 Data File : VN087897.D
 Acq On : 18 Sep 2025 15:53
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Sep 19 03:10:26 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	242162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	436656	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	413037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	229158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	200711	40.453	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	80.900%		
35) Dibromofluoromethane	8.153	113	154186	48.907	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.820%		
50) Toluene-d8	10.547	98	540551	45.810	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.620%		
62) 4-Bromofluorobenzene	12.829	95	209025	49.811	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.620%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	172981	50.294	ug/l	98
3) Chloromethane	2.383	50	166739	47.174	ug/l	93
4) Vinyl Chloride	2.536	62	181085	44.186	ug/l	100
5) Bromomethane	2.959	94	104922	49.618	ug/l	96
6) Chloroethane	3.130	64	118733	41.221	ug/l	99
7) Trichlorofluoromethane	3.506	101	288292	48.014	ug/l	90
8) Diethyl Ether	3.959	74	116870	44.693	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.365	101	157484	46.353	ug/l	95
10) Methyl Iodide	4.583	142	139520	54.275	ug/l	97
11) Tert butyl alcohol	5.524	59	210054	243.864	ug/l #	85
12) 1,1-Dichloroethene	4.336	96	156105	44.712	ug/l	89
13) Acrolein	4.171	56	306499	289.444	ug/l	98
14) Allyl chloride	5.012	41	264777	41.849	ug/l	96
15) Acrylonitrile	5.706	53	586968	241.627	ug/l	100
16) Acetone	4.424	43	544606	201.635	ug/l	95
17) Carbon Disulfide	4.700	76	459871	47.845	ug/l	99
18) Methyl Acetate	5.024	43	298392	52.764	ug/l	95
19) Methyl tert-butyl Ether	5.783	73	655136	50.020	ug/l	97
20) Methylene Chloride	5.271	84	208004	53.325	ug/l	90
21) trans-1,2-Dichloroethene	5.771	96	194446	51.388	ug/l	88
22) Diisopropyl ether	6.659	45	641262	46.967	ug/l	97
23) Vinyl Acetate	6.588	43	2951963	237.645	ug/l	97
24) 1,1-Dichloroethane	6.559	63	352426	47.078	ug/l	99
25) 2-Butanone	7.471	43	841325	236.764	ug/l	96
26) 2,2-Dichloropropane	7.471	77	318269	49.535	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	233183	51.548	ug/l	96
28) Bromochloromethane	7.794	49	144768	40.001	ug/l	89
29) Tetrahydrofuran	7.824	42	541750	236.899	ug/l	96
30) Chloroform	7.947	83	389842	51.020	ug/l	97
31) Cyclohexane	8.241	56	273316	43.795	ug/l	94
32) 1,1,1-Trichloroethane	8.153	97	325956	50.337	ug/l	95
36) 1,1-Dichloropropene	8.353	75	245477	50.755	ug/l	95
37) Ethyl Acetate	7.547	43	340755	51.559	ug/l	98
38) Carbon Tetrachloride	8.341	117	278851	58.395	ug/l	98
39) Methylcyclohexane	9.582	83	277639	52.141	ug/l	97
40) Benzene	8.588	78	803375	54.156	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	174867	51.078	ug/l	97
42) 1,2-Dichloroethane	8.653	62	299301	52.504	ug/l	99
43) Isopropyl Acetate	8.671	43	533446	51.698	ug/l	96
44) Trichloroethene	9.329	130	189794	56.039	ug/l	96
45) 1,2-Dichloropropane	9.600	63	204340	52.258	ug/l	99
46) Dibromomethane	9.688	93	156991	56.419	ug/l	93
47) Bromodichloromethane	9.865	83	312350	54.772	ug/l	96
48) Methyl methacrylate	9.665	41	248536	50.922	ug/l	95
49) 1,4-Dioxane	9.682	88	70230	1110.173	ug/l #	97
51) 4-Methyl-2-Pentanone	10.424	43	1674603	268.989	ug/l	98
52) Toluene	10.612	92	509866	55.441	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	330701	56.023	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	337237	55.022	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	204728	57.546	ug/l	96
56) Ethyl methacrylate	10.853	69	333238	58.612	ug/l	97
57) 1,3-Dichloropropane	11.141	76	351386	55.809	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	767039	249.257	ug/l	95
59) 2-Hexanone	11.176	43	1159884	294.795	ug/l	97
60) Dibromochloromethane	11.335	129	243398	59.046	ug/l	99
61) 1,2-Dibromoethane	11.447	107	219245	58.445	ug/l	100
64) Tetrachloroethene	11.082	164	156183	54.503	ug/l	92
65) Chlorobenzene	11.871	112	574448	55.903	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.941	131	207728	60.892	ug/l	99
67) Ethyl Benzene	11.941	91	1005930	56.540	ug/l	98
68) m/p-Xylenes	12.047	106	819867	125.651	ug/l	97
69) o-Xylene	12.376	106	387040	60.527	ug/l	98
70) Styrene	12.388	104	644890	60.198	ug/l	98
71) Bromoform	12.559	173	169849	64.920	ug/l #	96
73) Isopropylbenzene	12.676	105	933731	50.424	ug/l	100
74) N-amyl acetate	12.500	43	287117m	40.914	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	323212	50.698	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	297749m	55.407	ug/l	
77) Bromobenzene	12.959	156	238139	54.543	ug/l	93
78) n-propylbenzene	13.012	91	1155535	50.662	ug/l	97
79) 2-Chlorotoluene	13.100	91	688408	50.153	ug/l	96
80) 1,3,5-Trimethylbenzene	13.153	105	801081	50.996	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.717	75	114046	56.184	ug/l #	82
82) 4-Chlorotoluene	13.200	91	721312	49.982	ug/l	95
83) tert-Butylbenzene	13.417	119	693919	53.010	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	830827	52.834	ug/l	98
85) sec-Butylbenzene	13.594	105	1003131	51.639	ug/l	99
86) p-Isopropyltoluene	13.706	119	851529	53.085	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	459977	53.498	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	464353	51.896	ug/l	99
89) n-Butylbenzene	14.035	91	792928	49.772	ug/l	98
90) Hexachloroethane	14.312	117	163415	53.472	ug/l	87
91) 1,2-Dichlorobenzene	14.082	146	446395	54.725	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.700	75	72637	47.962	ug/l	89
93) 1,2,4-Trichlorobenzene	15.364	180	269981	55.118	ug/l	98
94) Hexachlorobutadiene	15.476	225	92456	52.945	ug/l	99
95) Naphthalene	15.611	128	901466	51.959	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	263085	54.940	ug/l	99

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

