

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
 Data File : VN087525.D
 Acq On : 13 Aug 2025 10:57
 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 08/14/2025
 Supervised By : Mahesh Dadoda 08/18/2025

Quant Time: Aug 14 03:55:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	297883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	560249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	506486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	261423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	267380	52.900	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.800%			
35) Dibromofluoromethane	8.147	113	189080	48.926	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.860%			
50) Toluene-d8	10.547	98	674538	48.931	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.860%			
62) 4-Bromofluorobenzene	12.829	95	263490	51.735	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.460%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	195888	61.914	ug/l	97
3) Chloromethane	2.383	50	185962	46.740	ug/l	98
4) Vinyl Chloride	2.542	62	213602	54.022	ug/l	92
5) Bromomethane	2.971	94	117088	57.184	ug/l	92
6) Chloroethane	3.136	64	139750	54.196	ug/l	98
7) Trichlorofluoromethane	3.506	101	314439	53.781	ug/l	96
8) Diethyl Ether	3.965	74	136962	60.389	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	173237	57.720	ug/l	98
10) Methyl Iodide	4.583	142	122401	40.808	ug/l	92
11) Tert butyl alcohol	5.524	59	274825	286.357	ug/l	99
12) 1,1-Dichloroethene	4.330	96	168930	49.669	ug/l	99
13) Acrolein	4.183	56	215817	280.207	ug/l	98
14) Allyl chloride	5.012	41	324998	52.801	ug/l	93
15) Acrylonitrile	5.706	53	673928	258.773	ug/l	97
16) Acetone	4.424	43	657929	277.621	ug/l	99
17) Carbon Disulfide	4.700	76	479745	47.578	ug/l	97
18) Methyl Acetate	5.018	43	349876	58.763	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	738183	58.885	ug/l	97
20) Methylene Chloride	5.265	84	207585	51.839	ug/l	93
21) trans-1,2-Dichloroethene	5.777	96	190605	49.703	ug/l	92
22) Diisopropyl ether	6.659	45	754528	58.441	ug/l	96
23) Vinyl Acetate	6.588	43	3464754	306.836	ug/l	100
24) 1,1-Dichloroethane	6.553	63	384250	51.586	ug/l	99
25) 2-Butanone	7.471	43	990545	270.516	ug/l	99
26) 2,2-Dichloropropane	7.477	77	347122	59.940	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	237567	53.808	ug/l	94
28) Bromochloromethane	7.800	49	188052	52.751	ug/l	94
29) Tetrahydrofuran	7.830	42	650285	273.374	ug/l	99
30) Chloroform	7.953	83	407119	54.606	ug/l	99
31) Cyclohexane	8.241	56	338060	54.405	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	350752	54.317	ug/l	98
36) 1,1-Dichloropropene	8.353	75	269096	52.704	ug/l	98
37) Ethyl Acetate	7.553	43	382507	51.872	ug/l	97
38) Carbon Tetrachloride	8.347	117	290669	51.679	ug/l	93
39) Methylcyclohexane	9.582	83	330567	59.801	ug/l	97
40) Benzene	8.588	78	839732	50.887	ug/l	97

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41) Methacrylonitrile	7.765	41	217375	56.377	ug/l	98
42) 1,2-Dichloroethane	8.653	62	334446	53.444	ug/l	97
43) Isopropyl Acetate	8.677	43	642790	56.154	ug/l	98
44) Trichloroethene	9.335	130	191822	49.195	ug/l	88
45) 1,2-Dichloropropane	9.606	63	215179	51.319	ug/l	95
46) Dibromomethane	9.694	93	163459	52.067	ug/l	96
47) Bromodichloromethane	9.871	83	337184	53.322	ug/l	100
48) Methyl methacrylate	9.665	41	313471	60.829	ug/l	92
49) 1,4-Dioxane	9.682	88	86769	1099.339	ug/l #	99
51) 4-Methyl-2-Pentanone	10.429	43	1970484	272.168	ug/l	98
52) Toluene	10.612	92	523201	52.162	ug/l	95
53) t-1,3-Dichloropropene	10.818	75	363863	56.856	ug/l	96
54) cis-1,3-Dichloropropene	10.294	75	368848	55.797	ug/l #	89
55) 1,1,2-Trichloroethane	11.000	97	212009	52.209	ug/l	95
56) Ethyl methacrylate	10.859	69	371269	54.181	ug/l #	93
57) 1,3-Dichloropropane	11.147	76	369791	52.670	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	1026550	308.170	ug/l	99
59) 2-Hexanone	11.176	43	1351630	281.390	ug/l	98
60) Dibromochloromethane	11.341	129	246950	53.325	ug/l	97
61) 1,2-Dibromoethane	11.453	107	225893	52.906	ug/l	97
64) Tetrachloroethene	11.082	164	155159	47.598	ug/l	95
65) Chlorobenzene	11.870	112	578310	50.858	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	201612	52.143	ug/l	98
67) Ethyl Benzene	11.947	91	1026282	54.824	ug/l	99
68) m/p-Xylenes	12.053	106	764924	109.123	ug/l	93
69) o-Xylene	12.376	106	372969	55.701	ug/l	93
70) Styrene	12.394	104	647435	57.479	ug/l	98
71) Bromoform	12.559	173	161255	51.623	ug/l #	100
73) Isopropylbenzene	12.676	105	976275	59.336	ug/l	98
74) N-amyl acetate	12.506	43	317125	46.390	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.917	83	337465	54.508	ug/l	99
76) 1,2,3-Trichloropropane	12.976	75	286863m	48.934	ug/l	
77) Bromobenzene	12.959	156	227618	53.342	ug/l	94
78) n-propylbenzene	13.017	91	1231036	59.467	ug/l	97
79) 2-Chlorotoluene	13.106	91	725577	57.031	ug/l	95
80) 1,3,5-Trimethylbenzene	13.153	105	838061	59.782	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.717	75	110240	51.454	ug/l	91
82) 4-Chlorotoluene	13.200	91	748122	56.480	ug/l	97
83) tert-Butylbenzene	13.417	119	715212	61.085	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	860772	60.126	ug/l	94
85) sec-Butylbenzene	13.594	105	1066866	60.493	ug/l	99
86) p-Isopropyltoluene	13.706	119	877004	62.051	ug/l	97
87) 1,3-Dichlorobenzene	13.711	146	440423	52.590	ug/l	99
88) 1,4-Dichlorobenzene	13.794	146	445992	49.863	ug/l	96
89) n-Butylbenzene	14.035	91	885464	65.611	ug/l	99
90) Hexachloroethane	14.311	117	167399	55.901	ug/l	94
91) 1,2-Dichlorobenzene	14.088	146	429970	54.195	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	81622	50.215	ug/l	99
93) 1,2,4-Trichlorobenzene	15.370	180	261731	56.161	ug/l	98
94) Hexachlorobutadiene	15.476	225	99026	57.185	ug/l	99
95) Naphthalene	15.617	128	964411	58.414	ug/l	100
96) 1,2,3-Trichlorobenzene	15.817	180	245014	52.411	ug/l	96

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

