

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
 Data File : VN087691.D
 Acq On : 28 Aug 2025 17:14
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/29/2025
 Supervised By : Semsettin Yesilyurt 08/29/2025

Quant Time: Aug 29 03:22:06 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	187950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	378770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	363839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	186178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	186311	48.381	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.760%		
35) Dibromofluoromethane	8.147	113	130956	47.887	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.780%		
50) Toluene-d8	10.547	98	480365	46.931	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.860%		
62) 4-Bromofluorobenzene	12.829	95	177533	48.772	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	137183	51.391	ug/l	96
3) Chloromethane	2.383	50	142867	52.079	ug/l	99
4) Vinyl Chloride	2.536	62	157518	49.522	ug/l	93
5) Bromomethane	2.965	94	87261	53.169	ug/l	91
6) Chloroethane	3.136	64	112360	50.260	ug/l	97
7) Trichlorofluoromethane	3.512	101	241989	51.927	ug/l	97
8) Diethyl Ether	3.965	74	103762	51.126	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	133340	50.567	ug/l	99
10) Methyl Iodide	4.577	142	83806	43.545	ug/l	98
11) Tert butyl alcohol	5.530	59	173048	258.850	ug/l	100
12) 1,1-Dichloroethene	4.336	96	137350	50.687	ug/l	96
13) Acrolein	4.177	56	213550	259.836	ug/l	98
14) Allyl chloride	5.012	41	221178	45.042	ug/l	95
15) Acrylonitrile	5.706	53	483799	256.601	ug/l	100
16) Acetone	4.424	43	474986	226.583	ug/l	99
17) Carbon Disulfide	4.700	76	343535	46.051	ug/l	100
18) Methyl Acetate	5.018	43	246176	56.087	ug/l #	77
19) Methyl tert-butyl Ether	5.789	73	513209	50.486	ug/l	99
20) Methylene Chloride	5.265	84	152311	50.238	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	141151	48.063	ug/l	98
22) Diisopropyl ether	6.659	45	551510	52.044	ug/l	98
23) Vinyl Acetate	6.594	43	2492873	258.572	ug/l	98
24) 1,1-Dichloroethane	6.559	63	284591	48.982	ug/l	98
25) 2-Butanone	7.471	43	703257	254.994	ug/l	97
26) 2,2-Dichloropropane	7.477	77	213966	42.907	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	174172	49.609	ug/l	100
28) Bromochloromethane	7.794	49	137887	49.090	ug/l	99
29) Tetrahydrofuran	7.824	42	460035	259.190	ug/l	100
30) Chloroform	7.953	83	304175	51.291	ug/l	96
31) Cyclohexane	8.235	56	225093	46.472	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	250736	49.890	ug/l	98
36) 1,1-Dichloropropene	8.353	75	196618	46.865	ug/l	99
37) Ethyl Acetate	7.547	43	275882	48.122	ug/l	97
38) Carbon Tetrachloride	8.341	117	205351	49.575	ug/l	91
39) Methylcyclohexane	9.582	83	209776	45.417	ug/l	99
40) Benzene	8.588	78	625658	48.622	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	152356	51.304	ug/l	98
42) 1,2-Dichloroethane	8.653	62	245641	49.676	ug/l	99
43) Isopropyl Acetate	8.671	43	456558	51.009	ug/l	99
44) Trichloroethene	9.335	130	139111	47.351	ug/l	97
45) 1,2-Dichloropropane	9.600	63	163473	48.196	ug/l	100
46) Dibromomethane	9.688	93	121633	50.393	ug/l	99
47) Bromodichloromethane	9.871	83	252979	51.140	ug/l	95
48) Methyl methacrylate	9.665	41	212666	50.232	ug/l	100
49) 1,4-Dioxane	9.682	88	56896	1036.844	ug/l #	98
51) 4-Methyl-2-Pentanone	10.424	43	1455423	269.510	ug/l	99
52) Toluene	10.612	92	394793	49.489	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	260074	50.792	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	263661	49.592	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	155939	50.531	ug/l	96
56) Ethyl methacrylate	10.859	69	264858	53.704	ug/l	98
57) 1,3-Dichloropropane	11.141	76	275125	50.375	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	708185	265.302	ug/l	99
59) 2-Hexanone	11.176	43	975045	285.689	ug/l	100
60) Dibromochloromethane	11.335	129	181744	50.827	ug/l	100
61) 1,2-Dibromoethane	11.447	107	167067	51.342	ug/l	100
64) Tetrachloroethene	11.082	164	111277	44.083	ug/l	93
65) Chlorobenzene	11.870	112	428404	47.328	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.941	131	152159	50.634	ug/l	99
67) Ethyl Benzene	11.941	91	764772	48.797	ug/l	99
68) m/p-Xylenes	12.047	106	574771	99.999	ug/l	99
69) o-Xylene	12.376	106	274980	48.818	ug/l	97
70) Styrene	12.388	104	484338	51.324	ug/l	99
71) Bromoform	12.559	173	118698	51.503	ug/l #	97
73) Isopropylbenzene	12.670	105	716172	47.604	ug/l	100
74) N-amyl acetate	12.500	43	256362m	44.965	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	257885	49.789	ug/l	98
76) 1,2,3-Trichloropropane	12.970	75	238955m	54.731	ug/l	
77) Bromobenzene	12.959	156	166614	46.970	ug/l	96
78) n-propylbenzene	13.012	91	897604	48.438	ug/l	100
79) 2-Chlorotoluene	13.100	91	540041	48.427	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	607400	47.592	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.717	75	78691	47.716	ug/l	88
82) 4-Chlorotoluene	13.200	91	556759	47.486	ug/l	99
83) tert-Butylbenzene	13.412	119	518525	48.756	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	631932	49.463	ug/l	100
85) sec-Butylbenzene	13.594	105	760632	48.195	ug/l	99
86) p-Isopropyltoluene	13.706	119	634702	48.702	ug/l	100
87) 1,3-Dichlorobenzene	13.712	146	334836	47.933	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	338533	46.569	ug/l	99
89) n-Butylbenzene	14.035	91	612782	47.344	ug/l	100
90) Hexachloroethane	14.311	117	124577	50.174	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	325243	49.077	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	58475	47.524	ug/l	96
93) 1,2,4-Trichlorobenzene	15.370	180	189009	47.495	ug/l	98
94) Hexachlorobutadiene	15.476	225	64274	45.304	ug/l	98
95) Naphthalene	15.611	128	693915	49.229	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	181640	46.689	ug/l	99

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

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