

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092925\
 Data File : VN087979.D
 Acq On : 29 Sep 2025 13:52
 Operator : JC\MD
 Sample : VN0929WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0929WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/30/2025
 Supervised By : Mahesh Dadoda 10/03/2025

Quant Time: Sep 30 03:53:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	232531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	434358	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	404738	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	219132	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	188738	48.230	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.460%		
35) Dibromofluoromethane	8.147	113	144805	45.916	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.840%		
50) Toluene-d8	10.547	98	522853	47.145	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.300%		
62) 4-Bromofluorobenzene	12.829	95	181963	45.902	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.800%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.147	85	55493	20.607	ug/l	91
3) Chloromethane	2.383	50	55685	20.195	ug/l	98
4) Vinyl Chloride	2.542	62	56560	20.106	ug/l	98
5) Bromomethane	2.977	94	34849	19.983	ug/l	100
6) Chloroethane	3.136	64	38387	20.987	ug/l #	87
7) Trichlorofluoromethane	3.506	101	97680	21.327	ug/l	96
8) Diethyl Ether	3.965	74	36017	20.815	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	56051	23.154	ug/l	97
10) Methyl Iodide	4.577	142	48941	22.464	ug/l	96
11) Tert butyl alcohol	5.535	59	64948	115.227	ug/l	100
12) 1,1-Dichloroethene	4.330	96	51476	21.075	ug/l	85
13) Acrolein	4.183	56	60046	83.025	ug/l	98
14) Allyl chloride	5.012	41	80202	20.169	ug/l	98
15) Acrylonitrile	5.706	53	183415	103.739	ug/l	98
16) Acetone	4.424	43	166865	103.636	ug/l	97
17) Carbon Disulfide	4.700	76	143798	18.843	ug/l	98
18) Methyl Acetate	5.018	43	95440	23.685	ug/l	100
19) Methyl tert-butyl Ether	5.782	73	187471	19.648	ug/l	100
20) Methylene Chloride	5.265	84	65365	20.056	ug/l #	95
21) trans-1,2-Dichloroethene	5.771	96	59309	19.807	ug/l	94
22) Diisopropyl ether	6.659	45	197424	21.267	ug/l	93
23) Vinyl Acetate	6.588	43	850872	108.861	ug/l	98
24) 1,1-Dichloroethane	6.553	63	110533	20.381	ug/l	97
25) 2-Butanone	7.471	43	257735	104.728	ug/l	98
26) 2,2-Dichloropropane	7.471	77	96330	19.992	ug/l	100
27) cis-1,2-Dichloroethene	7.476	96	70050	19.661	ug/l	99
28) Bromochloromethane	7.800	49	51431	17.454	ug/l	94
29) Tetrahydrofuran	7.835	42	169691	107.685	ug/l	99
30) Chloroform	7.947	83	123752	20.869	ug/l	96
31) Cyclohexane	8.241	56	87382	19.913	ug/l	93
32) 1,1,1-Trichloroethane	8.153	97	104924	20.940	ug/l	95
36) 1,1-Dichloropropene	8.359	75	79196	20.884	ug/l	99
37) Ethyl Acetate	7.553	43	101860	20.455	ug/l	98
38) Carbon Tetrachloride	8.341	117	88245	20.280	ug/l	98
39) Methylcyclohexane	9.582	83	80627	19.274	ug/l	95
40) Benzene	8.588	78	250676	19.965	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	52143	20.262	ug/l	97
42) 1,2-Dichloroethane	8.653	62	96346	20.562	ug/l	99
43) Isopropyl Acetate	8.676	43	160242	20.443	ug/l	97
44) Trichloroethene	9.335	130	60111	20.042	ug/l	83
45) 1,2-Dichloropropane	9.606	63	64240	20.404	ug/l	98
46) Dibromomethane	9.694	93	49646	19.983	ug/l	94
47) Bromodichloromethane	9.870	83	101878	20.908	ug/l	97
48) Methyl methacrylate	9.665	41	72078	19.857	ug/l	95
49) 1,4-Dioxane	9.682	88	27026	503.988	ug/l #	95
51) 4-Methyl-2-Pentanone	10.423	43	532051	108.779	ug/l	97
52) Toluene	10.612	92	155465	19.731	ug/l	96
53) t-1,3-Dichloropropene	10.817	75	95985	19.247	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	103886	20.057	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	67350	21.023	ug/l	97
56) Ethyl methacrylate	10.859	69	87006	18.795	ug/l	99
57) 1,3-Dichloropropane	11.141	76	105754	20.070	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	250411	115.049	ug/l	99
59) 2-Hexanone	11.182	43	332762	102.892	ug/l	99
60) Dibromochloromethane	11.335	129	76105	20.204	ug/l	98
61) 1,2-Dibromoethane	11.447	107	67408	19.875	ug/l	99
64) Tetrachloroethene	11.082	164	49294	19.994	ug/l	88
65) Chlorobenzene	11.870	112	176022	20.436	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.941	131	66199	21.313	ug/l	95
67) Ethyl Benzene	11.941	91	288769	20.092	ug/l	99
68) m/p-Xylenes	12.053	106	229146	41.689	ug/l	97
69) o-Xylene	12.376	106	103835	19.662	ug/l	96
70) Styrene	12.394	104	179729	19.817	ug/l	98
71) Bromoform	12.559	173	48783	19.359	ug/l #	96
73) Isopropylbenzene	12.676	105	267599	19.704	ug/l	99
74) N-amyl acetate	12.611	43	77461m	17.310	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	103215	21.093	ug/l	99
76) 1,2,3-Trichloropropane	12.976	75	96958m	22.446	ug/l	
77) Bromobenzene	12.958	156	74027	20.486	ug/l	93
78) n-propylbenzene	13.017	91	347591	20.470	ug/l	100
79) 2-Chlorotoluene	13.106	91	207100	20.031	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	240367	20.461	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.723	75	26491	17.030	ug/l	92
82) 4-Chlorotoluene	13.200	91	219106	21.032	ug/l	99
83) tert-Butylbenzene	13.417	119	194573	19.568	ug/l	95
84) 1,2,4-Trimethylbenzene	13.458	105	246119	20.426	ug/l	97
85) sec-Butylbenzene	13.594	105	297750	20.424	ug/l	100
86) p-Isopropyltoluene	13.705	119	243233	19.700	ug/l	97
87) 1,3-Dichlorobenzene	13.711	146	145641	20.654	ug/l	97
88) 1,4-Dichlorobenzene	13.794	146	144506	19.941	ug/l	96
89) n-Butylbenzene	14.035	91	239699	20.542	ug/l	97
90) Hexachloroethane	14.311	117	51393	19.927	ug/l	96
91) 1,2-Dichlorobenzene	14.088	146	137980	20.300	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	22435	19.732	ug/l	99
93) 1,2,4-Trichlorobenzene	15.370	180	78014	19.439	ug/l	96
94) Hexachlorobutadiene	15.476	225	30773	20.833	ug/l	97
95) Naphthalene	15.617	128	246698	19.150	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	73267	18.779	ug/l	93

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

