

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093025\
 Data File : VN087992.D
 Acq On : 30 Sep 2025 10:54
 Operator : JC\MD
 Sample : VN0930WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/01/2025
 Supervised By : Mahesh Dadoda 10/03/2025

Quant Time: Oct 01 04:38:15 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	8.206	168	215668	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	405584	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	382277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	205560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	179452	49.442	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.880%		
35) Dibromofluoromethane	8.153	113	140989	47.878	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.760%		
50) Toluene-d8	10.547	98	499350	48.220	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.440%		
62) 4-Bromofluorobenzene	12.829	95	170294	46.006	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.020%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	48441	19.395	ug/l	96
3) Chloromethane	2.383	50	51697	20.215	ug/l	98
4) Vinyl Chloride	2.536	62	53162	20.376	ug/l	95
5) Bromomethane	2.977	94	36976	22.860	ug/l	84
6) Chloroethane	3.136	64	34796	20.511	ug/l #	88
7) Trichlorofluoromethane	3.512	101	83846	19.738	ug/l	93
8) Diethyl Ether	3.965	74	33536	20.897	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.359	101	47464	21.140	ug/l	96
10) Methyl Iodide	4.583	142	47275	23.395	ug/l	99
11) Tert butyl alcohol	5.524	59	57896	110.747	ug/l #	90
12) 1,1-Dichloroethene	4.330	96	46168	20.380	ug/l #	83
13) Acrolein	4.171	56	62245	92.795	ug/l	96
14) Allyl chloride	5.018	41	73120	19.826	ug/l	97
15) Acrylonitrile	5.706	53	171021	104.292	ug/l	99
16) Acetone	4.424	43	170655	114.277	ug/l	98
17) Carbon Disulfide	4.700	76	130004	18.367	ug/l #	95
18) Methyl Acetate	5.024	43	89948	24.068	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	181461	20.505	ug/l	97
20) Methylene Chloride	5.259	84	64234	21.251	ug/l	94
21) trans-1,2-Dichloroethene	5.777	96	54070	19.469	ug/l	98
22) Diisopropyl ether	6.659	45	183079	21.264	ug/l	96
23) Vinyl Acetate	6.588	43	722817	99.708	ug/l	99
24) 1,1-Dichloroethane	6.553	63	105719	21.017	ug/l	99
25) 2-Butanone	7.471	43	250408	109.707	ug/l	93
26) 2,2-Dichloropropane	7.477	77	92424	20.681	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	67648	20.472	ug/l	98
28) Bromochloromethane	7.794	49	48022	17.572	ug/l	97
29) Tetrahydrofuran	7.830	42	155392	106.321	ug/l	98
30) Chloroform	7.947	83	112697	20.491	ug/l	96
31) Cyclohexane	8.235	56	78954	19.399	ug/l	91
32) 1,1,1-Trichloroethane	8.153	97	93469	20.113	ug/l	97
36) 1,1-Dichloropropene	8.353	75	68336	19.299	ug/l	96
37) Ethyl Acetate	7.547	43	96424	20.737	ug/l	99
38) Carbon Tetrachloride	8.341	117	80143	19.724	ug/l	94
39) Methylcyclohexane	9.582	83	69776	17.863	ug/l	98
40) Benzene	8.588	78	235104	20.053	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	46063	19.169	ug/l #	87
42) 1,2-Dichloroethane	8.653	62	85519	19.546	ug/l	99
43) Isopropyl Acetate	8.677	43	148983	20.355	ug/l	98
44) Trichloroethene	9.335	130	56404	20.141	ug/l	95
45) 1,2-Dichloropropane	9.606	63	59069	20.092	ug/l	97
46) Dibromomethane	9.694	93	48087	20.729	ug/l	92
47) Bromodichloromethane	9.871	83	94221	20.708	ug/l	93
48) Methyl methacrylate	9.665	41	63520	18.741	ug/l	99
49) 1,4-Dioxane	9.682	88	22595	451.250	ug/l #	96
51) 4-Methyl-2-Pentanone	10.429	43	482936	105.743	ug/l	99
52) Toluene	10.612	92	147547	20.055	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	90068	19.342	ug/l	96
54) cis-1,3-Dichloropropene	10.294	75	95852	19.819	ug/l	92
55) 1,1,2-Trichloroethane	11.000	97	62718	20.966	ug/l	96
56) Ethyl methacrylate	10.859	69	83041	19.211	ug/l	95
57) 1,3-Dichloropropane	11.147	76	104327	21.203	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	250556	123.283	ug/l	98
59) 2-Hexanone	11.176	43	315197	104.375	ug/l	100
60) Dibromochloromethane	11.335	129	70058	19.918	ug/l	98
61) 1,2-Dibromoethane	11.447	107	62285	19.668	ug/l	98
64) Tetrachloroethene	11.082	164	44679	19.187	ug/l	92
65) Chlorobenzene	11.871	112	164757	20.253	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	60523	20.631	ug/l	98
67) Ethyl Benzene	11.947	91	262403	19.331	ug/l	95
68) m/p-Xylenes	12.053	106	201177	38.751	ug/l	97
69) o-Xylene	12.376	106	96841	19.416	ug/l	98
70) Styrene	12.388	104	163959	19.140	ug/l	97
71) Bromoform	12.559	173	48310	20.297	ug/l #	100
73) Isopropylbenzene	12.676	105	243097	19.081	ug/l	99
74) N-amyl acetate	12.670	43	77201m	18.391	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	94742	20.640	ug/l	99
76) 1,2,3-Trichloropropane	12.976	75	79617m	19.649	ug/l	
77) Bromobenzene	12.959	156	65521	19.329	ug/l	96
78) n-propylbenzene	13.012	91	307270	19.291	ug/l	98
79) 2-Chlorotoluene	13.106	91	186351	19.214	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	219235	19.895	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.723	75	27545	18.876	ug/l	97
82) 4-Chlorotoluene	13.200	91	191804	19.627	ug/l	99
83) tert-Butylbenzene	13.417	119	176628	18.936	ug/l	93
84) 1,2,4-Trimethylbenzene	13.459	105	218656	19.345	ug/l	98
85) sec-Butylbenzene	13.594	105	268834	19.659	ug/l	100
86) p-Isopropyltoluene	13.706	119	219311	18.935	ug/l	100
87) 1,3-Dichlorobenzene	13.712	146	133000	20.106	ug/l	97
88) 1,4-Dichlorobenzene	13.788	146	137011	20.155	ug/l	97
89) n-Butylbenzene	14.035	91	206058	18.825	ug/l	97
90) Hexachloroethane	14.312	117	47787	19.752	ug/l	93
91) 1,2-Dichlorobenzene	14.088	146	123750	19.409	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	21823	20.461	ug/l	96
93) 1,2,4-Trichlorobenzene	15.364	180	70678	18.774	ug/l	98
94) Hexachlorobutadiene	15.476	225	25596	18.473	ug/l	96
95) Naphthalene	15.617	128	224813	18.603	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	69136	18.890	ug/l	99

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

