

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091825\
 Data File : VN087888.D
 Acq On : 18 Sep 2025 11:40
 Operator : JC\MD
 Sample : VN0918WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Manual Integrations
 APPROVED

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

Quant Time: Sep 19 03:03:02 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	257489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	468340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	435438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	237657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	224976	42.644	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.280%		
35) Dibromofluoromethane	8.147	113	176838	52.297	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.600%		
50) Toluene-d8	10.547	98	619092	48.917	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.840%		
62) 4-Bromofluorobenzene	12.829	95	224018	49.772	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.540%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	72891	19.932	ug/l	94
3) Chloromethane	2.383	50	69892	18.597	ug/l	98
4) Vinyl Chloride	2.542	62	74644	17.130	ug/l	94
5) Bromomethane	2.977	94	42023	18.690	ug/l	97
6) Chloroethane	3.136	64	48097	15.704	ug/l	91
7) Trichlorofluoromethane	3.512	101	124358	19.479	ug/l	99
8) Diethyl Ether	3.965	74	43697	15.716	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	69152	19.142	ug/l	95
10) Methyl Iodide	4.577	142	43808	20.827	ug/l	89
11) Tert butyl alcohol	5.530	59	82683	90.278	ug/l	99
12) 1,1-Dichloroethene	4.336	96	69041	18.598	ug/l #	80
13) Acrolein	4.171	56	83155	73.854	ug/l	97
14) Allyl chloride	5.012	41	110605	16.441	ug/l	97
15) Acrylonitrile	5.706	53	233845	90.533	ug/l	99
16) Acetone	4.424	43	205702	71.626	ug/l	98
17) Carbon Disulfide	4.706	76	200329	19.602	ug/l	100
18) Methyl Acetate	5.024	43	113978	18.955	ug/l	93
19) Methyl tert-butyl Ether	5.794	73	249802	17.937	ug/l	95
20) Methylene Chloride	5.259	84	84298	19.537	ug/l	93
21) trans-1,2-Dichloroethene	5.771	96	79016	19.639	ug/l	87
22) Diisopropyl ether	6.659	45	255292	17.585	ug/l	99
23) Vinyl Acetate	6.594	43	1150630	87.117	ug/l	98
24) 1,1-Dichloroethane	6.559	63	144269	18.125	ug/l	96
25) 2-Butanone	7.471	43	333510	88.269	ug/l	100
26) 2,2-Dichloropropane	7.477	77	131442	19.240	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	92480	19.227	ug/l	97
28) Bromochloromethane	7.794	49	73586	19.122	ug/l	88
29) Tetrahydrofuran	7.824	42	206232	84.814	ug/l	94
30) Chloroform	7.947	83	158601	19.521	ug/l	97
31) Cyclohexane	8.241	56	125219	18.870	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	137898	20.028	ug/l	96
36) 1,1-Dichloropropene	8.353	75	106528	20.536	ug/l	97
37) Ethyl Acetate	7.553	43	131611	18.567	ug/l	97
38) Carbon Tetrachloride	8.341	117	115718	22.593	ug/l	99
39) Methylcyclohexane	9.582	83	122666	21.478	ug/l	98
40) Benzene	8.588	78	338081	21.249	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	70131	19.099	ug/l	99
42) 1,2-Dichloroethane	8.653	62	119085	19.477	ug/l	99
43) Isopropyl Acetate	8.671	43	207810	18.777	ug/l	98
44) Trichloroethene	9.335	130	78773	21.685	ug/l	85
45) 1,2-Dichloropropane	9.606	63	82620	19.700	ug/l	99
46) Dibromomethane	9.688	93	65082	21.807	ug/l	96
47) Bromodichloromethane	9.871	83	125568	20.529	ug/l	97
48) Methyl methacrylate	9.665	41	96049	18.348	ug/l	96
49) 1,4-Dioxane	9.682	88	28932	426.407	ug/l #	99
51) 4-Methyl-2-Pentanone	10.423	43	658214	98.575	ug/l	99
52) Toluene	10.612	92	203271	20.608	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	127776	20.182	ug/l	97
54) cis-1,3-Dichloropropene	10.294	75	134442	20.451	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	81093	21.252	ug/l	98
56) Ethyl methacrylate	10.853	69	116289	19.070	ug/l	96
57) 1,3-Dichloropropane	11.141	76	137340	20.337	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	289320	87.657	ug/l	97
59) 2-Hexanone	11.176	43	423396	100.330	ug/l	96
60) Dibromochloromethane	11.341	129	94671	21.412	ug/l	99
61) 1,2-Dibromoethane	11.447	107	82947	20.616	ug/l	95
64) Tetrachloroethene	11.082	164	66335	21.958	ug/l	89
65) Chlorobenzene	11.870	112	225789	20.843	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.941	131	79925	22.224	ug/l	98
67) Ethyl Benzene	11.941	91	382589	20.398	ug/l	94
68) m/p-Xylenes	12.047	106	294032	42.744	ug/l	96
69) o-Xylene	12.376	106	139359	20.673	ug/l	97
70) Styrene	12.388	104	236513	20.942	ug/l	97
71) Bromoform	12.559	173	64911	23.534	ug/l #	96
73) Isopropylbenzene	12.676	105	357192	18.600	ug/l	98
74) N-amyl acetate	12.576	43	112223m	15.420	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	129788	19.630	ug/l	97
76) 1,2,3-Trichloropropane	12.970	75	106378m	19.087	ug/l	
77) Bromobenzene	12.959	156	91531	20.214	ug/l	90
78) n-propylbenzene	13.012	91	453422	19.168	ug/l	97
79) 2-Chlorotoluene	13.106	91	268873	18.888	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	312066	19.155	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.717	75	38231	18.161	ug/l	87
82) 4-Chlorotoluene	13.200	91	279475	18.673	ug/l	96
83) tert-Butylbenzene	13.417	119	265705	19.572	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	312493	19.161	ug/l	99
85) sec-Butylbenzene	13.594	105	400340	19.872	ug/l	99
86) p-Isopropyltoluene	13.706	119	333389	20.040	ug/l	98
87) 1,3-Dichlorobenzene	13.711	146	178253	19.990	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	184513	19.884	ug/l	97
89) n-Butylbenzene	14.035	91	313663	18.985	ug/l	99
90) Hexachloroethane	14.311	117	64447	20.334	ug/l	90
91) 1,2-Dichlorobenzene	14.088	146	172217	20.358	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	27650	17.604	ug/l	91
93) 1,2,4-Trichlorobenzene	15.370	180	100215	19.728	ug/l	99
94) Hexachlorobutadiene	15.476	225	38363	21.183	ug/l	100
95) Naphthalene	15.611	128	313574	17.427	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	99454	20.026	ug/l	97

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

