

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111125\
 Data File : VN088247.D
 Acq On : 11 Nov 2025 11:41
 Operator : JC\MD
 Sample : VN1111WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/12/2025
 Supervised By : Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 01:12:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	269061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	495693	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	434620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	216196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	248512	53.413	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.820%			
35) Dibromofluoromethane	8.153	113	170163	51.099	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.200%			
50) Toluene-d8	10.547	98	624820	48.695	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.380%			
62) 4-Bromofluorobenzene	12.829	95	226731	50.034	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	55726	18.361	ug/l	88
3) Chloromethane	2.383	50	65260	18.277	ug/l	98
4) Vinyl Chloride	2.536	62	71936	18.491	ug/l	94
5) Bromomethane	2.977	94	42641	18.325	ug/l	87
6) Chloroethane	3.142	64	48401	17.268	ug/l	100
7) Trichlorofluoromethane	3.512	101	111252	17.929	ug/l	91
8) Diethyl Ether	3.965	74	45135	19.572	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	61849	19.317	ug/l	97
10) Methyl Iodide	4.589	142	58339	19.937	ug/l	97
11) Tert butyl alcohol	5.518	59	84146	104.980	ug/l	99
12) 1,1-Dichloroethene	4.347	96	57775	17.084	ug/l	92
13) Acrolein	4.177	56	62400	69.210	ug/l	98
14) Allyl chloride	5.012	41	115409	19.470	ug/l	96
15) Acrylonitrile	5.706	53	235463	107.844	ug/l	98
16) Acetone	4.418	43	235321	100.676	ug/l	98
17) Carbon Disulfide	4.706	76	175798	17.101	ug/l	98
18) Methyl Acetate	5.018	43	113569	23.733	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	259538	20.898	ug/l	100
20) Methylene Chloride	5.265	84	76689	19.545	ug/l	93
21) trans-1,2-Dichloroethene	5.771	96	67648	18.224	ug/l	88
22) Diisopropyl ether	6.659	45	268726	21.557	ug/l	98
23) Vinyl Acetate	6.589	43	1199040	106.780	ug/l	98
24) 1,1-Dichloroethane	6.553	63	142737	20.671	ug/l	98
25) 2-Butanone	7.465	43	338918	110.025	ug/l	95
26) 2,2-Dichloropropane	7.471	77	120096	19.138	ug/l	99
27) cis-1,2-Dichloroethene	7.465	96	83207	19.471	ug/l	95
28) Bromochloromethane	7.800	49	75325	23.086	ug/l	96
29) Tetrahydrofuran	7.824	42	205436	102.335	ug/l	99
30) Chloroform	7.947	83	145705	21.121	ug/l	100
31) Cyclohexane	8.235	56	122140	18.754	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	121746	19.815	ug/l	98
36) 1,1-Dichloropropene	8.353	75	97627	20.078	ug/l	98
37) Ethyl Acetate	7.547	43	128261	20.441	ug/l	98
38) Carbon Tetrachloride	8.341	117	101298	20.171	ug/l	99
39) Methylcyclohexane	9.577	83	107754	17.241	ug/l	98
40) Benzene	8.582	78	297626	20.099	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	70093	21.224	ug/l	98
42) 1,2-Dichloroethane	8.653	62	121831	23.155	ug/l	99
43) Isopropyl Acetate	8.671	43	209385	21.716	ug/l	99
44) Trichloroethene	9.330	130	67429	19.481	ug/l	100
45) 1,2-Dichloropropane	9.600	63	79453	21.253	ug/l	97
46) Dibromomethane	9.688	93	58860	22.076	ug/l	98
47) Bromodichloromethane	9.865	83	114785	21.503	ug/l	99
48) Methyl methacrylate	9.665	41	97465	21.895	ug/l	99
49) 1,4-Dioxane	9.682	88	25453	459.733	ug/l #	94
51) 4-Methyl-2-Pentanone	10.424	43	647328	113.487	ug/l	100
52) Toluene	10.606	92	181518	19.882	ug/l	97
53) t-1,3-Dichloropropene	10.818	75	118737	20.899	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	124973	20.729	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	71133	20.536	ug/l	97
56) Ethyl methacrylate	10.853	69	116762	21.302	ug/l	97
57) 1,3-Dichloropropane	11.141	76	130213	21.388	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.135	63	308765	108.294	ug/l	99
59) 2-Hexanone	11.176	43	414127	109.445	ug/l	95
60) Dibromochloromethane	11.335	129	84173	21.380	ug/l	98
61) 1,2-Dibromoethane	11.447	107	73918	20.736	ug/l	99
64) Tetrachloroethene	11.082	164	54469	19.000	ug/l	94
65) Chlorobenzene	11.871	112	195783	19.838	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.935	131	67219	20.790	ug/l	98
67) Ethyl Benzene	11.941	91	341448	19.711	ug/l	98
68) m/p-Xylenes	12.047	106	259084	39.917	ug/l	99
69) o-Xylene	12.376	106	123074	20.003	ug/l	100
70) Styrene	12.388	104	204611	20.393	ug/l	98
71) Bromoform	12.553	173	50879	21.086	ug/l #	97
73) Isopropylbenzene	12.670	105	322638	19.349	ug/l	100
74) N-amyl acetate	12.665	43	91384m	19.306	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	111965	21.568	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	106899m	21.627	ug/l	
77) Bromobenzene	12.959	156	73655	20.484	ug/l	96
78) n-propylbenzene	13.012	91	396726	19.496	ug/l	99
79) 2-Chlorotoluene	13.100	91	238531	20.555	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	271939	19.637	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	30161	17.021	ug/l #	93
82) 4-Chlorotoluene	13.200	91	250285	19.935	ug/l	99
83) tert-Butylbenzene	13.412	119	232917	18.828	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	277454	20.025	ug/l	98
85) sec-Butylbenzene	13.594	105	338805	18.641	ug/l	100
86) p-Isopropyltoluene	13.706	119	279835	19.193	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	147114	20.495	ug/l	97
88) 1,4-Dichlorobenzene	13.788	146	151888	19.701	ug/l	97
89) n-Butylbenzene	14.035	91	274317	18.994	ug/l	100
90) Hexachloroethane	14.306	117	53324	18.886	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	142122	20.540	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	25627	21.209	ug/l	91
93) 1,2,4-Trichlorobenzene	15.364	180	81418	19.429	ug/l	98
94) Hexachlorobutadiene	15.470	225	30480	19.532	ug/l	98
95) Naphthalene	15.611	128	273010	19.018	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	75072	18.684	ug/l	99

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

