

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
 Data File : VN086726.D
 Acq On : 21 May 2025 13:05
 Operator : JC\MD
 Sample : VN0521WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/22/2025
 Supervised By : Mahesh Dadoda 05/22/2025

Quant Time: May 22 01:21:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	167977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	308282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125074	53.885	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.760%			
35) Dibromofluoromethane	8.159	113	97598	53.159	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.320%			
50) Toluene-d8	10.565	98	404098	53.113	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.220%			
62) 4-Bromofluorobenzene	12.847	95	144648	53.844	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	42418	23.383	ug/l	95
3) Chloromethane	2.359	50	58695	21.392	ug/l	98
4) Vinyl Chloride	2.518	62	52170	21.172	ug/l	99
5) Bromomethane	2.959	94	28887	20.335	ug/l	98
6) Chloroethane	3.124	64	32966	20.422	ug/l	93
7) Trichlorofluoromethane	3.495	101	60737	20.625	ug/l	94
8) Diethyl Ether	3.953	74	26172	21.514	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	37948	21.525	ug/l	99
10) Methyl Iodide	4.589	142	42280	19.280	ug/l	100
11) Tert butyl alcohol	5.512	59	43568	103.062	ug/l #	86
12) 1,1-Dichloroethene	4.342	96	38181	20.379	ug/l	99
13) Acrolein	4.177	56	43609	96.498	ug/l	100
14) Allyl chloride	5.024	41	58528	20.639	ug/l	99
15) Acrylonitrile	5.718	53	115460	110.310	ug/l	100
16) Acetone	4.424	43	88783	102.254	ug/l	94
17) Carbon Disulfide	4.712	76	106898	20.608	ug/l	99
18) Methyl Acetate	5.018	43	51076	21.018	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	138693	21.740	ug/l	98
20) Methylene Chloride	5.277	84	46878	20.460	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	40944	20.670	ug/l	97
22) Diisopropyl ether	6.665	45	142064	22.205	ug/l	99
23) Vinyl Acetate	6.600	43	514062	106.911	ug/l	99
24) 1,1-Dichloroethane	6.565	63	79734	21.227	ug/l	100
25) 2-Butanone	7.477	43	144861	107.968	ug/l	96
26) 2,2-Dichloropropane	7.483	77	63851	20.598	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	50051	20.585	ug/l	98
28) Bromochloromethane	7.812	49	36951	21.652	ug/l	100
29) Tetrahydrofuran	7.835	42	92420	105.533	ug/l	99
30) Chloroform	7.965	83	79014	21.016	ug/l	98
31) Cyclohexane	8.253	56	71215	20.443	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	65524	20.671	ug/l	99
36) 1,1-Dichloropropene	8.371	75	55914	20.647	ug/l	99
37) Ethyl Acetate	7.559	43	57302	20.947	ug/l	100
38) Carbon Tetrachloride	8.353	117	55235	20.701	ug/l	93
39) Methylcyclohexane	9.594	83	61105	20.848	ug/l	97
40) Benzene	8.600	78	185065	20.948	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	30910	20.927	ug/l	97
42) 1,2-Dichloroethane	8.665	62	58142	21.125	ug/l	100
43) Isopropyl Acetate	8.682	43	106076	19.343	ug/l	99
44) Trichloroethene	9.353	130	44189	20.738	ug/l	99
45) 1,2-Dichloropropane	9.618	63	44792	21.343	ug/l	98
46) Dibromomethane	9.706	93	29562	20.876	ug/l	98
47) Bromodichloromethane	9.882	83	62561	21.442	ug/l	98
48) Methyl methacrylate	9.677	41	46327	21.800	ug/l	96
49) 1,4-Dioxane	9.694	88	18404	409.001	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	292838	105.888	ug/l	100
52) Toluene	10.629	92	115430	21.023	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	65925	21.340	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	72722	21.565	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	43628	21.301	ug/l	98
56) Ethyl methacrylate	10.871	69	69861	21.243	ug/l	98
57) 1,3-Dichloropropane	11.159	76	75785	21.478	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	149782	101.909	ug/l	99
59) 2-Hexanone	11.194	43	214432	106.178	ug/l	100
60) Dibromochloromethane	11.359	129	45677	21.279	ug/l	99
61) 1,2-Dibromoethane	11.465	107	43320	21.047	ug/l	99
64) Tetrachloroethene	11.100	164	45217	20.903	ug/l	94
65) Chlorobenzene	11.888	112	124637	20.128	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	40791	20.406	ug/l	98
67) Ethyl Benzene	11.959	91	211990	19.987	ug/l	96
68) m/p-Xylenes	12.070	106	167118	41.600	ug/l	100
69) o-Xylene	12.394	106	81555	20.420	ug/l	97
70) Styrene	12.406	104	134928	20.635	ug/l	100
71) Bromoform	12.576	173	29481	20.737	ug/l #	95
73) Isopropylbenzene	12.694	105	192042	19.452	ug/l	99
74) N-amyl acetate	12.488	43	80271	19.460	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	60763	20.033	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	57940m	20.042	ug/l	
77) Bromobenzene	12.976	156	47560	19.150	ug/l	97
78) n-propylbenzene	13.035	91	231142	20.401	ug/l	100
79) 2-Chlorotoluene	13.123	91	148057	20.098	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	160663	20.312	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	22238	19.412	ug/l	96
82) 4-Chlorotoluene	13.217	91	148857	20.395	ug/l	99
83) tert-Butylbenzene	13.435	119	140117	20.312	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	161931	20.558	ug/l	98
85) sec-Butylbenzene	13.612	105	190108	20.554	ug/l	99
86) p-Isopropyltoluene	13.723	119	157351	20.754	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	88643	20.612	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	87276	20.483	ug/l	99
89) n-Butylbenzene	14.053	91	133683	21.269	ug/l	99
90) Hexachloroethane	14.335	117	25027	19.895	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	84061	20.551	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10391	20.680	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	35545	20.587	ug/l	100
94) Hexachlorobutadiene	15.500	225	14802	20.663	ug/l	97
95) Naphthalene	15.635	128	117251	19.558	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	34692	20.517	ug/l	99

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

