

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
 Data File : VN086728.D
 Acq On : 21 May 2025 13:53
 Operator : JC\MD
 Sample : VN0521WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBSD01

Manual Integrations
 APPROVED

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

Quant Time: May 22 01:22:37 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	8.224	168	190593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	345539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	308855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131617	49.975	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.960%			
35) Dibromofluoromethane	8.165	113	105386	51.212	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.420%			
50) Toluene-d8	10.565	98	438409	51.410	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.820%			
62) 4-Bromofluorobenzene	12.847	95	155126	51.518	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	43953	21.354	ug/l	100
3) Chloromethane	2.359	50	59713	19.181	ug/l	98
4) Vinyl Chloride	2.518	62	54661	19.550	ug/l	93
5) Bromomethane	2.959	94	29968	18.593	ug/l	92
6) Chloroethane	3.124	64	34639	18.912	ug/l	100
7) Trichlorofluoromethane	3.494	101	64458	19.291	ug/l	96
8) Diethyl Ether	3.959	74	26837	19.443	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	40043	20.018	ug/l	100
10) Methyl Iodide	4.589	142	43469	17.470	ug/l	95
11) Tert butyl alcohol	5.512	59	42269	88.124	ug/l	98
12) 1,1-Dichloroethene	4.342	96	40093	18.860	ug/l	99
13) Acrolein	4.177	56	45209	88.168	ug/l	99
14) Allyl chloride	5.018	41	62089	19.296	ug/l	97
15) Acrylonitrile	5.712	53	111356	93.765	ug/l	100
16) Acetone	4.418	43	86067	87.364	ug/l	98
17) Carbon Disulfide	4.712	76	112566	19.125	ug/l	98
18) Methyl Acetate	5.012	43	50476	18.306	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	139263	19.239	ug/l	98
20) Methylene Chloride	5.271	84	47807	18.389	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	42054	18.711	ug/l	98
22) Diisopropyl ether	6.665	45	144360	19.887	ug/l	99
23) Vinyl Acetate	6.600	43	509208	93.335	ug/l	99
24) 1,1-Dichloroethane	6.565	63	81766	19.185	ug/l	98
25) 2-Butanone	7.477	43	141988	93.269	ug/l	98
26) 2,2-Dichloropropane	7.482	77	70144	19.943	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	53010	19.215	ug/l	99
28) Bromochloromethane	7.812	49	39029	20.156	ug/l	97
29) Tetrahydrofuran	7.835	42	94804	95.409	ug/l	98
30) Chloroform	7.965	83	81462	19.096	ug/l	95
31) Cyclohexane	8.253	56	74971	18.967	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	69775	19.400	ug/l	96
36) 1,1-Dichloropropene	8.365	75	59799	19.701	ug/l	97
37) Ethyl Acetate	7.553	43	57120	18.629	ug/l	99
38) Carbon Tetrachloride	8.359	117	58820	19.667	ug/l	96
39) Methylcyclohexane	9.600	83	63834	19.431	ug/l	97
40) Benzene	8.606	78	194322	19.625	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	32719	19.764	ug/l	95
42) 1,2-Dichloroethane	8.665	62	59065	19.146	ug/l	100
43) Isopropyl Acetate	8.682	43	105306	17.132	ug/l	100
44) Trichloroethene	9.347	130	45970	19.248	ug/l	99
45) 1,2-Dichloropropane	9.618	63	46441	19.743	ug/l	99
46) Dibromomethane	9.706	93	31170	19.638	ug/l	97
47) Bromodichloromethane	9.882	83	62724	19.180	ug/l	100
48) Methyl methacrylate	9.676	41	45600	19.145	ug/l	99
49) 1,4-Dioxane	9.694	88	19514	386.909	ug/l #	92
51) 4-Methyl-2-Pentanone	10.441	43	294888	95.133	ug/l	100
52) Toluene	10.629	92	118329	19.227	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	68658	19.829	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	75171	19.887	ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	43183	18.810	ug/l	98
56) Ethyl methacrylate	10.871	69	71206	19.318	ug/l	99
57) 1,3-Dichloropropane	11.159	76	77110	19.497	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	156480	94.987	ug/l	98
59) 2-Hexanone	11.194	43	212119	93.708	ug/l	99
60) Dibromochloromethane	11.353	129	47337	19.675	ug/l	98
61) 1,2-Dibromoethane	11.465	107	43021	18.648	ug/l	97
64) Tetrachloroethene	11.100	164	47538	20.092	ug/l	96
65) Chlorobenzene	11.888	112	128490	18.972	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.953	131	42269	19.333	ug/l	99
67) Ethyl Benzene	11.959	91	222500	19.180	ug/l	100
68) m/p-Xylenes	12.065	106	172731	39.312	ug/l	98
69) o-Xylene	12.394	106	84330	19.305	ug/l	94
70) Styrene	12.406	104	140137	19.595	ug/l	100
71) Bromoform	12.576	173	30220	19.435	ug/l #	100
73) Isopropylbenzene	12.694	105	205528	18.882	ug/l	99
74) N-amyl acetate	12.494	43	82660	18.176	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	59773	17.875	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	57961m	18.185	ug/l	
77) Bromobenzene	12.976	156	49150	17.951	ug/l	97
78) n-propylbenzene	13.029	91	239458	19.170	ug/l	100
79) 2-Chlorotoluene	13.123	91	151300	18.628	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	165823	19.015	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	22254	17.620	ug/l	85
82) 4-Chlorotoluene	13.217	91	150800	18.741	ug/l	98
83) tert-Butylbenzene	13.435	119	142699	18.764	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	168004	19.346	ug/l	100
85) sec-Butylbenzene	13.611	105	198005	19.417	ug/l	100
86) p-Isopropyltoluene	13.723	119	164337	19.661	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	90682	19.126	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	91161	19.406	ug/l	99
89) n-Butylbenzene	14.053	91	139233	20.093	ug/l	99
90) Hexachloroethane	14.329	117	27512	19.837	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	86890	19.267	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10664	19.250	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	36992	19.433	ug/l	95
94) Hexachlorobutadiene	15.500	225	15900	20.132	ug/l	95
95) Naphthalene	15.635	128	131717	19.928	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	36252	19.447	ug/l	97

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

