

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052025\
 Data File : VN086710.D
 Acq On : 20 May 2025 12:03
 Operator : JC\MD
 Sample : VN0520WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/21/2025
 Supervised By : Mahesh Dadoda 05/21/2025

Quant Time: May 21 01:42:35 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	184445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	341496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	308278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129913	50.972	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.940%			
35) Dibromofluoromethane	8.165	113	100574	49.452	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.900%			
50) Toluene-d8	10.565	98	414561	49.189	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.380%			
62) 4-Bromofluorobenzene	12.847	95	148955	50.054	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	43740	21.959	ug/l	96
3) Chloromethane	2.359	50	60681	20.141	ug/l	100
4) Vinyl Chloride	2.512	62	55441	20.490	ug/l	93
5) Bromomethane	2.959	94	30936	19.833	ug/l	88
6) Chloroethane	3.118	64	34717	19.587	ug/l	96
7) Trichlorofluoromethane	3.500	101	63639	19.681	ug/l	98
8) Diethyl Ether	3.965	74	28134	21.062	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	39579	20.446	ug/l	98
10) Methyl Iodide	4.594	142	45404	18.856	ug/l	99
11) Tert butyl alcohol	5.512	59	44417	95.689	ug/l	99
12) 1,1-Dichloroethene	4.347	96	40098	19.491	ug/l	92
13) Acrolein	4.177	56	50333	101.433	ug/l	99
14) Allyl chloride	5.024	41	61707	19.817	ug/l	97
15) Acrylonitrile	5.712	53	118876	103.434	ug/l	99
16) Acetone	4.424	43	92577	97.104	ug/l	99
17) Carbon Disulfide	4.712	76	112830	19.809	ug/l	97
18) Methyl Acetate	5.024	43	52873	19.815	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	145700	20.800	ug/l	96
20) Methylene Chloride	5.271	84	49170	19.544	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	43931	20.197	ug/l	100
22) Diisopropyl ether	6.665	45	150013	21.354	ug/l	97
23) Vinyl Acetate	6.600	43	546335	103.478	ug/l	100
24) 1,1-Dichloroethane	6.559	63	83119	20.153	ug/l	99
25) 2-Butanone	7.477	43	150427	102.106	ug/l	99
26) 2,2-Dichloropropane	7.488	77	69496	20.418	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	53461	20.024	ug/l	97
28) Bromochloromethane	7.812	49	41534	22.164	ug/l	100
29) Tetrahydrofuran	7.835	42	99948	103.939	ug/l	100
30) Chloroform	7.965	83	84185	20.393	ug/l	98
31) Cyclohexane	8.253	56	73724	19.273	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	68584	19.705	ug/l	99
36) 1,1-Dichloropropene	8.365	75	57753	19.252	ug/l	99
37) Ethyl Acetate	7.553	43	59886	19.762	ug/l	97
38) Carbon Tetrachloride	8.359	117	57024	19.293	ug/l	96
39) Methylcyclohexane	9.600	83	63731	19.629	ug/l	98
40) Benzene	8.600	78	194372	19.862	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	32900	20.108	ug/l	99
42) 1,2-Dichloroethane	8.665	62	62190	20.398	ug/l	99
43) Isopropyl Acetate	8.682	43	108855	17.919	ug/l	99
44) Trichloroethene	9.347	130	46337	19.631	ug/l	100
45) 1,2-Dichloropropane	9.618	63	47038	20.234	ug/l	99
46) Dibromomethane	9.706	93	32078	20.449	ug/l	98
47) Bromodichloromethane	9.882	83	64736	20.029	ug/l	99
48) Methyl methacrylate	9.676	41	47439	20.153	ug/l	97
49) 1,4-Dioxane	9.688	88	20035	401.942	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	309976	101.184	ug/l	99
52) Toluene	10.629	92	120104	19.746	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	71065	20.767	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	76763	20.549	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	44735	19.717	ug/l	98
56) Ethyl methacrylate	10.871	69	73853	20.273	ug/l	100
57) 1,3-Dichloropropane	11.159	76	79567	20.356	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	172399	105.889	ug/l	99
59) 2-Hexanone	11.194	43	224830	100.499	ug/l	99
60) Dibromochloromethane	11.353	129	48592	20.436	ug/l	98
61) 1,2-Dibromoethane	11.465	107	45383	19.905	ug/l	100
64) Tetrachloroethene	11.100	164	46481	19.682	ug/l	96
65) Chlorobenzene	11.888	112	131927	19.516	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	43483	19.925	ug/l	98
67) Ethyl Benzene	11.959	91	223552	19.307	ug/l	99
68) m/p-Xylenes	12.065	106	173251	39.505	ug/l	100
69) o-Xylene	12.394	106	85440	19.596	ug/l	97
70) Styrene	12.406	104	141595	19.836	ug/l	100
71) Bromoform	12.570	173	31569	20.341	ug/l #	97
73) Isopropylbenzene	12.694	105	198839	18.342	ug/l	100
74) N-amyl acetate	12.488	43	89698	19.804	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	64524	19.374	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	60927m	19.193	ug/l	
77) Bromobenzene	12.976	156	49921	18.306	ug/l	96
78) n-propylbenzene	13.029	91	237123	19.060	ug/l	100
79) 2-Chlorotoluene	13.123	91	154343	19.080	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	165036	19.002	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	25627	20.373	ug/l	95
82) 4-Chlorotoluene	13.217	91	153627	19.169	ug/l	98
83) tert-Butylbenzene	13.435	119	141145	18.635	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	169068	19.548	ug/l	99
85) sec-Butylbenzene	13.611	105	196969	19.394	ug/l	99
86) p-Isopropyltoluene	13.723	119	162720	19.546	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	91181	19.309	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	91059	19.463	ug/l	99
89) n-Butylbenzene	14.053	91	136821	19.825	ug/l	98
90) Hexachloroethane	14.329	117	27125	19.638	ug/l	98
91) 1,2-Dichlorobenzene	14.100	146	88078	19.610	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10922	19.796	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	36959	19.494	ug/l	99
94) Hexachlorobutadiene	15.500	225	14863	18.896	ug/l	98
95) Naphthalene	15.635	128	124290	18.881	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	35963	19.370	ug/l	99

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

