

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050825\
 Data File : VN086541.D
 Acq On : 08 May 2025 13:23
 Operator : JC\MD
 Sample : VN0508WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/09/2025
 Supervised By : Mahesh Dadoda 05/09/2025

Quant Time: May 09 01:49:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	222661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	380283	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	341898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	161638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	146335	45.322	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.640%		
35) Dibromofluoromethane	8.165	113	114286	64.753	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	129.500%#		
50) Toluene-d8	10.565	98	465879	49.390	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.780%		
62) 4-Bromofluorobenzene	12.847	95	171671	49.897	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.800%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	46621	17.663	ug/l	96
3) Chloromethane	2.359	50	56639	14.765	ug/l	98
4) Vinyl Chloride	2.512	62	56341	15.391	ug/l	97
5) Bromomethane	2.959	94	34128	20.726	ug/l	97
6) Chloroethane	3.118	64	38565	15.741	ug/l	98
7) Trichlorofluoromethane	3.501	101	78465	19.351	ug/l	97
8) Diethyl Ether	3.959	74	30461	17.208	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.371	101	47160	19.226	ug/l	98
10) Methyl Iodide	4.589	142	56557	20.972	ug/l	98
11) Tert butyl alcohol	5.518	59	50895	86.392	ug/l	100
12) 1,1-Dichloroethene	4.342	96	46000	17.553	ug/l	95
13) Acrolein	4.177	56	29490	98.189	ug/l	98
14) Allyl chloride	5.024	41	67048	14.392	ug/l	96
15) Acrylonitrile	5.718	53	124450	85.455	ug/l	100
16) Acetone	4.424	43	99527	85.398	ug/l	99
17) Carbon Disulfide	4.712	76	117257	14.943	ug/l	100
18) Methyl Acetate	5.024	43	59729	15.411	ug/l	96
19) Methyl tert-butyl Ether	5.795	73	167271	17.364	ug/l	98
20) Methylene Chloride	5.277	84	53400	17.890	ug/l	91
21) trans-1,2-Dichloroethene	5.783	96	48924	17.856	ug/l	88
22) Diisopropyl ether	6.671	45	157362	15.527	ug/l #	94
23) Vinyl Acetate	6.600	43	575027	81.166	ug/l	95
24) 1,1-Dichloroethane	6.565	63	92436	17.286	ug/l	99
25) 2-Butanone	7.477	43	162405	80.808	ug/l	100
26) 2,2-Dichloropropane	7.489	77	86079	17.979	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	62538	18.390	ug/l	93
28) Bromochloromethane	7.812	49	44779	19.750	ug/l	84
29) Tetrahydrofuran	7.836	42	105753	78.689	ug/l	94
30) Chloroform	7.965	83	97750	18.609	ug/l	97
31) Cyclohexane	8.253	56	81732	15.620	ug/l	93
32) 1,1,1-Trichloroethane	8.165	97	85986	19.135	ug/l	96
36) 1,1-Dichloropropene	8.365	75	66257	18.795	ug/l	97
37) Ethyl Acetate	7.559	43	65380	17.616	ug/l	99
38) Carbon Tetrachloride	8.359	117	71334	21.249	ug/l	100
39) Methylcyclohexane	9.600	83	75969	18.131	ug/l	94
40) Benzene	8.600	78	214521	18.993	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	35714	16.604	ug/l	93
42) 1,2-Dichloroethane	8.665	62	71036	19.723	ug/l	99
43) Isopropyl Acetate	8.683	43	121044	16.679	ug/l	98
44) Trichloroethene	9.347	130	57671	21.543	ug/l	91
45) 1,2-Dichloropropane	9.618	63	50816	18.380	ug/l	98
46) Dibromomethane	9.706	93	37146	21.087	ug/l	95
47) Bromodichloromethane	9.882	83	76448	20.094	ug/l	99
48) Methyl methacrylate	9.677	41	54573	16.745	ug/l	95
49) 1,4-Dioxane	9.694	88	21949	395.923	ug/l	94
51) 4-Methyl-2-Pentanone	10.441	43	343708	90.440	ug/l	98
52) Toluene	10.624	92	139364	19.775	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	81116	19.100	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	86900	18.629	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	52586	20.739	ug/l	97
56) Ethyl methacrylate	10.871	69	84292	18.085	ug/l	97
57) 1,3-Dichloropropane	11.159	76	87672	19.488	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	177305	80.149	ug/l	93
59) 2-Hexanone	11.194	43	254255	90.197	ug/l	99
60) Dibromochloromethane	11.359	129	59290	21.294	ug/l	99
61) 1,2-Dibromoethane	11.465	107	53768	21.015	ug/l	99
64) Tetrachloroethene	11.100	164	55915	21.261	ug/l	99
65) Chlorobenzene	11.888	112	157620	20.658	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	53188	21.131	ug/l	99
67) Ethyl Benzene	11.959	91	268025	19.467	ug/l	98
68) m/p-Xylenes	12.065	106	208923	40.497	ug/l	95
69) o-Xylene	12.394	106	102338	20.059	ug/l	96
70) Styrene	12.406	104	169946	19.991	ug/l	98
71) Bromoform	12.576	173	38921	20.537	ug/l #	99
73) Isopropylbenzene	12.694	105	253508	19.173	ug/l	98
74) N-amyl acetate	12.488	43	100409	15.254	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	72832	19.157	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	69639m	18.257	ug/l	
77) Bromobenzene	12.976	156	62586	21.362	ug/l	87
78) n-propylbenzene	13.029	91	288202	18.497	ug/l	99
79) 2-Chlorotoluene	13.123	91	183479	18.819	ug/l	97
80) 1,3,5-Trimethylbenzene	13.171	105	206762	19.106	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	25519	16.067	ug/l	96
82) 4-Chlorotoluene	13.218	91	185758	19.180	ug/l	98
83) tert-Butylbenzene	13.435	119	180248	19.222	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	211254	19.177	ug/l	100
85) sec-Butylbenzene	13.612	105	246485	18.951	ug/l	99
86) p-Isopropyltoluene	13.723	119	205598	19.177	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	113187	20.552	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	113052	20.380	ug/l	99
89) n-Butylbenzene	14.053	91	168390	17.720	ug/l	98
90) Hexachloroethane	14.329	117	33919	18.810	ug/l	95
91) 1,2-Dichlorobenzene	14.100	146	111260	20.837	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13518	17.634	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	48416	18.936	ug/l	98
94) Hexachlorobutadiene	15.500	225	20272	21.004	ug/l	99
95) Naphthalene	15.635	128	163001	17.984	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	47768	19.733	ug/l	98

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

