

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050825\
 Data File : VN086542.D
 Acq On : 08 May 2025 13:48
 Operator : JC\MD
 Sample : VN0508WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBSD01

Manual Integrations
 APPROVED

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

Quant Time: May 09 01:50:32 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	204298	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	358712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	317929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	153630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	142296	48.032	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.060%		
35) Dibromofluoromethane	8.165	113	107269	64.432	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	128.860%#		
50) Toluene-d8	10.565	98	429219	48.240	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.480%		
62) 4-Bromofluorobenzene	12.847	95	157802	48.624	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	44498	18.374	ug/l	98
3) Chloromethane	2.359	50	53987	15.338	ug/l	97
4) Vinyl Chloride	2.512	62	52095	15.510	ug/l	95
5) Bromomethane	2.959	94	32811	21.717	ug/l	100
6) Chloroethane	3.118	64	34533	15.362	ug/l	98
7) Trichlorofluoromethane	3.500	101	72699	19.540	ug/l	99
8) Diethyl Ether	3.959	74	29427	18.118	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	44016	19.557	ug/l	93
10) Methyl Iodide	4.589	142	54833	22.160	ug/l	98
11) Tert butyl alcohol	5.512	59	51680	95.609	ug/l	98
12) 1,1-Dichloroethene	4.342	96	43836	18.230	ug/l	93
13) Acrolein	4.177	56	29759	109.594	ug/l	98
14) Allyl chloride	5.018	41	63785m	14.922	ug/l	
15) Acrylonitrile	5.718	53	122667	91.801	ug/l	100
16) Acetone	4.430	43	100166	94.238	ug/l	99
17) Carbon Disulfide	4.712	76	110948	15.410	ug/l	99
18) Methyl Acetate	5.018	43	60383	16.980	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	167753	18.979	ug/l	99
20) Methylene Chloride	5.277	84	50959	18.607	ug/l	90
21) trans-1,2-Dichloroethene	5.783	96	46913	18.661	ug/l	87
22) Diisopropyl ether	6.671	45	154627	16.629	ug/l	96
23) Vinyl Acetate	6.600	43	567380	87.285	ug/l	95
24) 1,1-Dichloroethane	6.565	63	87781	17.891	ug/l	99
25) 2-Butanone	7.482	43	160535	87.058	ug/l	98
26) 2,2-Dichloropropane	7.488	77	79604	18.121	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	59472	19.060	ug/l	94
28) Bromochloromethane	7.812	49	43364	20.845	ug/l #	83
29) Tetrahydrofuran	7.835	42	106181	86.109	ug/l	94
30) Chloroform	7.959	83	92376	19.167	ug/l	97
31) Cyclohexane	8.253	56	77766	16.198	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	81089	19.667	ug/l	95
36) 1,1-Dichloropropene	8.371	75	64604	19.428	ug/l	98
37) Ethyl Acetate	7.559	43	66490	18.993	ug/l	99
38) Carbon Tetrachloride	8.359	117	66703	21.064	ug/l	99
39) Methylcyclohexane	9.600	83	73013	18.473	ug/l	96
40) Benzene	8.600	78	208075	19.530	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	35188	17.343	ug/l	94
42) 1,2-Dichloroethane	8.671	62	70096	20.632	ug/l	99
43) Isopropyl Acetate	8.688	43	123287	18.177	ug/l	99
44) Trichloroethene	9.347	130	53452	21.168	ug/l	100
45) 1,2-Dichloropropane	9.618	63	49186	18.860	ug/l	97
46) Dibromomethane	9.706	93	35794	21.542	ug/l	93
47) Bromodichloromethane	9.882	83	73722	20.542	ug/l	99
48) Methyl methacrylate	9.676	41	53594	17.433	ug/l	95
49) 1,4-Dioxane	9.694	88	22285	426.157	ug/l	92
51) 4-Methyl-2-Pentanone	10.441	43	338650	94.468	ug/l	97
52) Toluene	10.623	92	134593	20.246	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	77991	19.468	ug/l	97
54) cis-1,3-Dichloropropene	10.306	75	84948	19.306	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	51703	21.617	ug/l	97
56) Ethyl methacrylate	10.871	69	82965	18.871	ug/l	97
57) 1,3-Dichloropropane	11.159	76	85972	20.259	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	173015	82.913	ug/l	95
59) 2-Hexanone	11.194	43	250425	94.181	ug/l	99
60) Dibromochloromethane	11.359	129	56248	21.416	ug/l	98
61) 1,2-Dibromoethane	11.465	107	52618	21.803	ug/l	100
64) Tetrachloroethene	11.100	164	53976	22.071	ug/l	95
65) Chlorobenzene	11.888	112	148439	20.921	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	51127	21.843	ug/l	98
67) Ethyl Benzene	11.959	91	254134	19.849	ug/l	97
68) m/p-Xylenes	12.065	106	197875	41.247	ug/l	96
69) o-Xylene	12.394	106	98001	20.657	ug/l	96
70) Styrene	12.406	104	161921	20.483	ug/l	99
71) Bromoform	12.576	173	37633	21.355	ug/l #	99
73) Isopropylbenzene	12.694	105	241755	19.237	ug/l	100
74) N-amyl acetate	12.488	43	95539	15.271	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	69522	19.240	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	67557m	18.634	ug/l	
77) Bromobenzene	12.976	156	60245	21.635	ug/l	87
78) n-propylbenzene	13.029	91	274129	18.511	ug/l	99
79) 2-Chlorotoluene	13.123	91	177232	19.126	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	199279	19.374	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	25746	17.055	ug/l	100
82) 4-Chlorotoluene	13.217	91	175722	19.090	ug/l	98
83) tert-Butylbenzene	13.435	119	171650	19.259	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	200042	19.106	ug/l	99
85) sec-Butylbenzene	13.612	105	236215	19.108	ug/l	98
86) p-Isopropyltoluene	13.723	119	198987	19.528	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	109757	20.968	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	109810	20.827	ug/l	99
89) n-Butylbenzene	14.053	91	164612	18.226	ug/l	99
90) Hexachloroethane	14.329	117	31301	18.262	ug/l	92
91) 1,2-Dichlorobenzene	14.100	146	108808	21.440	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13570	18.625	ug/l	91
93) 1,2,4-Trichlorobenzene	15.388	180	51036	21.001	ug/l	99
94) Hexachlorobutadiene	15.500	225	19673	21.445	ug/l	99
95) Naphthalene	15.635	128	167822	19.481	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	47905	20.822	ug/l	99

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

