

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
 Data File : VN087505.D
 Acq On : 12 Aug 2025 11:42
 Operator : JC\MD
 Sample : VN0812WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/13/2025
 Supervised By : Mahesh Dadoda 08/14/2025

Quant Time: Aug 13 03:00:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	292778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	576676	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	523240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	256652	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	264919	53.327	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.660%			
35) Dibromofluoromethane	8.153	113	178267	44.814	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.620%			
50) Toluene-d8	10.547	98	655005	46.161	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.320%			
62) 4-Bromofluorobenzene	12.829	95	255516	48.740	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.480%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	68991	22.186	ug/l	87
3) Chloromethane	2.389	50	70909	18.133	ug/l	93
4) Vinyl Chloride	2.542	62	75107	19.327	ug/l	91
5) Bromomethane	2.977	94	39856	19.805	ug/l	95
6) Chloroethane	3.142	64	51562	20.345	ug/l	94
7) Trichlorofluoromethane	3.512	101	111797	19.455	ug/l	100
8) Diethyl Ether	3.959	74	49528	22.219	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	57454	19.477	ug/l	95
10) Methyl Iodide	4.583	142	30990	14.693	ug/l #	88
11) Tert butyl alcohol	5.518	59	96731	102.547	ug/l	97
12) 1,1-Dichloroethene	4.342	96	62167	18.597	ug/l	99
13) Acrolein	4.177	56	99159	130.989	ug/l	100
14) Allyl chloride	5.012	41	122600	20.266	ug/l	93
15) Acrylonitrile	5.712	53	247530	96.703	ug/l	99
16) Acetone	4.430	43	249332	107.043	ug/l	95
17) Carbon Disulfide	4.706	76	181331	18.297	ug/l #	90
18) Methyl Acetate	5.018	43	125027	21.365	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	268531	21.794	ug/l	99
20) Methylene Chloride	5.265	84	77076	19.180	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	72010	19.105	ug/l	94
22) Diisopropyl ether	6.659	45	271606	21.404	ug/l	95
23) Vinyl Acetate	6.594	43	1258088	113.358	ug/l	98
24) 1,1-Dichloroethane	6.559	63	147450	20.141	ug/l	99
25) 2-Butanone	7.471	43	354546	98.514	ug/l	97
26) 2,2-Dichloropropane	7.471	77	130032	22.845	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	89561	20.639	ug/l	93
28) Bromochloromethane	7.800	49	68027	19.415	ug/l	93
29) Tetrahydrofuran	7.830	42	238378	101.959	ug/l	97
30) Chloroform	7.953	83	151851	20.722	ug/l	96
31) Cyclohexane	8.241	56	119834	19.621	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	128806	20.295	ug/l	98
36) 1,1-Dichloropropene	8.359	75	100577	19.137	ug/l	98
37) Ethyl Acetate	7.547	43	140369	18.493	ug/l	98
38) Carbon Tetrachloride	8.347	117	102118	17.639	ug/l	97
39) Methylcyclohexane	9.582	83	110560	19.431	ug/l	98
40) Benzene	8.588	78	310818	18.299	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	78542	19.790	ug/l	96
42) 1,2-Dichloroethane	8.653	62	128218	19.905	ug/l	98
43) Isopropyl Acetate	8.677	43	233840	19.846	ug/l	98
44) Trichloroethene	9.335	130	68578	17.087	ug/l	98
45) 1,2-Dichloropropane	9.606	63	83164	19.269	ug/l	100
46) Dibromomethane	9.688	93	58870	18.218	ug/l	95
47) Bromodichloromethane	9.871	83	122095	18.758	ug/l	94
48) Methyl methacrylate	9.665	41	109579	20.658	ug/l	92
49) 1,4-Dioxane	9.682	88	29359	361.375	ug/l #	99
51) 4-Methyl-2-Pentanone	10.429	43	699710	93.893	ug/l	97
52) Toluene	10.612	92	193918	18.783	ug/l	96
53) t-1,3-Dichloropropene	10.818	75	133370	20.246	ug/l	96
54) cis-1,3-Dichloropropene	10.294	75	135073	19.851	ug/l	91
55) 1,1,2-Trichloroethane	10.994	97	77374	18.511	ug/l	98
56) Ethyl methacrylate	10.859	69	134186	19.869	ug/l	96
57) 1,3-Dichloropropane	11.147	76	135824	18.794	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	374162	109.124	ug/l	98
59) 2-Hexanone	11.182	43	456112	92.251	ug/l	99
60) Dibromochloromethane	11.341	129	88960	18.662	ug/l	96
61) 1,2-Dibromoethane	11.453	107	83456	18.989	ug/l	92
64) Tetrachloroethene	11.082	164	54713	16.247	ug/l	94
65) Chlorobenzene	11.870	112	209568	17.840	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	72668	18.192	ug/l	98
67) Ethyl Benzene	11.947	91	375225	19.403	ug/l	100
68) m/p-Xylenes	12.053	106	271778	37.530	ug/l	92
69) o-Xylene	12.376	106	135420	19.577	ug/l	94
70) Styrene	12.394	104	221910	19.070	ug/l	94
71) Bromoform	12.559	173	55211	17.109	ug/l #	99
73) Isopropylbenzene	12.676	105	345641	21.398	ug/l	96
74) N-amyl acetate	12.529	43	115014m	17.137	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	120145	19.767	ug/l	98
76) 1,2,3-Trichloropropane	12.970	75	122446m	21.276	ug/l	
77) Bromobenzene	12.964	156	82729	19.748	ug/l	91
78) n-propylbenzene	13.017	91	425221	20.923	ug/l	97
79) 2-Chlorotoluene	13.106	91	253436	20.291	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	295518	21.472	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.717	75	37270	17.719	ug/l	93
82) 4-Chlorotoluene	13.200	91	273495	21.032	ug/l	96
83) tert-Butylbenzene	13.417	119	246210	21.419	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	303556	21.598	ug/l	94
85) sec-Butylbenzene	13.594	105	360000	20.792	ug/l	99
86) p-Isopropyltoluene	13.711	119	302007	21.765	ug/l	97
87) 1,3-Dichlorobenzene	13.711	146	153160	18.628	ug/l	99
88) 1,4-Dichlorobenzene	13.794	146	162894	18.550	ug/l	96
89) n-Butylbenzene	14.035	91	296535	22.381	ug/l	98
90) Hexachloroethane	14.311	117	56479	19.211	ug/l	94
91) 1,2-Dichlorobenzene	14.088	146	154034	19.776	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.700	75	29553	18.519	ug/l	95
93) 1,2,4-Trichlorobenzene	15.370	180	94568	20.669	ug/l	98
94) Hexachlorobutadiene	15.476	225	33941	19.964	ug/l	97
95) Naphthalene	15.617	128	323641	19.967	ug/l	99
96) 1,2,3-Trichlorobenzene	15.817	180	87388	19.041	ug/l	99

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

