

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087555.D
 Acq On : 14 Aug 2025 11:07
 Operator : JC\MD
 Sample : VN0814WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Quant Time: Aug 14 15:23:40 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

Manual Integrations APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	250453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	485218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	446518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	221983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	244982	57.648	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.300%			
35) Dibromofluoromethane	8.153	113	169668	50.692	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.380%			
50) Toluene-d8	10.547	98	605258	50.695	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.380%			
62) 4-Bromofluorobenzene	12.829	95	233458	52.926	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	60972	22.921	ug/l	92
3) Chloromethane	2.383	50	64803	19.372	ug/l	100
4) Vinyl Chloride	2.542	62	71080	21.381	ug/l	99
5) Bromomethane	2.983	94	38871	22.579	ug/l	96
6) Chloroethane	3.136	64	47553	21.934	ug/l	92
7) Trichlorofluoromethane	3.506	101	103028	20.959	ug/l	98
8) Diethyl Ether	3.965	74	45341	23.778	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.359	101	56020	22.200	ug/l	96
10) Methyl Iodide	4.571	142	33911	17.223	ug/l	89
11) Tert butyl alcohol	5.530	59	92129	114.174	ug/l	97
12) 1,1-Dichloroethene	4.336	96	58932	20.609	ug/l	91
13) Acrolein	4.177	56	52972	81.801	ug/l	95
14) Allyl chloride	5.012	41	106153	20.512	ug/l	91
15) Acrylonitrile	5.706	53	228245	104.238	ug/l	97
16) Acetone	4.430	43	234225	117.551	ug/l	98
17) Carbon Disulfide	4.700	76	152230	17.956	ug/l	97
18) Methyl Acetate	5.024	43	120344	24.040	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	247283	23.461	ug/l	98
20) Methylene Chloride	5.259	84	73232	21.375	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	62532	19.394	ug/l	92
22) Diisopropyl ether	6.659	45	247597	22.809	ug/l	95
23) Vinyl Acetate	6.588	43	1129441	118.964	ug/l	100
24) 1,1-Dichloroethane	6.559	63	135050	21.564	ug/l	97
25) 2-Butanone	7.477	43	332813	108.103	ug/l	95
26) 2,2-Dichloropropane	7.477	77	115630	23.748	ug/l	97
27) cis-1,2-Dichloroethene	7.477	96	78759	21.217	ug/l	94
28) Bromochloromethane	7.800	49	75409	25.159	ug/l	95
29) Tetrahydrofuran	7.829	42	208941	104.471	ug/l	98
30) Chloroform	7.953	83	140698	22.445	ug/l	99
31) Cyclohexane	8.241	56	111696	21.380	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	115982	21.362	ug/l	96
36) 1,1-Dichloropropene	8.353	75	90752	20.523	ug/l	97
37) Ethyl Acetate	7.547	43	131078	20.524	ug/l	98
38) Carbon Tetrachloride	8.347	117	93434	19.181	ug/l	96
39) Methylcyclohexane	9.582	83	96372	20.130	ug/l	93
40) Benzene	8.588	78	289566	20.261	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	66759	19.992	ug/l	95
42) 1,2-Dichloroethane	8.659	62	116694	21.531	ug/l	97
43) Isopropyl Acetate	8.676	43	215090	21.696	ug/l	98
44) Trichloroethene	9.335	130	64743	19.172	ug/l	82
45) 1,2-Dichloropropane	9.606	63	74233	20.442	ug/l	94
46) Dibromomethane	9.688	93	56540	20.795	ug/l	94
47) Bromodichloromethane	9.871	83	112437	20.530	ug/l	99
48) Methyl methacrylate	9.665	41	98225	22.008	ug/l	95
49) 1,4-Dioxane	9.688	88	30568	447.176	ug/l #	100
51) 4-Methyl-2-Pentanone	10.429	43	661207	105.450	ug/l	98
52) Toluene	10.612	92	177586	20.443	ug/l	97
53) t-1,3-Dichloropropene	10.818	75	116338	20.990	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	116909	20.420	ug/l #	82
55) 1,1,2-Trichloroethane	10.994	97	72631	20.652	ug/l	92
56) Ethyl methacrylate	10.859	69	120174	21.091	ug/l #	93
57) 1,3-Dichloropropane	11.141	76	128302	21.100	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	328582	113.893	ug/l	98
59) 2-Hexanone	11.182	43	431325	103.681	ug/l	98
60) Dibromochloromethane	11.335	129	76256	19.012	ug/l	98
61) 1,2-Dibromoethane	11.447	107	75775	20.492	ug/l	95
64) Tetrachloroethene	11.088	164	51988	18.090	ug/l	94
65) Chlorobenzene	11.870	112	192917	19.244	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.941	131	65609	19.247	ug/l	97
67) Ethyl Benzene	11.947	91	336124	20.367	ug/l	98
68) m/p-Xylenes	12.053	106	249595	40.389	ug/l	94
69) o-Xylene	12.376	106	119950	20.320	ug/l	93
70) Styrene	12.394	104	205053	20.649	ug/l	96
71) Bromoform	12.559	173	48296	17.538	ug/l #	99
73) Isopropylbenzene	12.676	105	314281	22.495	ug/l	97
74) N-amyl acetate	12.535	43	108512m	18.694	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.923	83	115038	21.882	ug/l	99
76) 1,2,3-Trichloropropane	12.976	75	100267m	20.143	ug/l	
77) Bromobenzene	12.959	156	73544	20.297	ug/l	91
78) n-propylbenzene	13.017	91	389520	22.160	ug/l	99
79) 2-Chlorotoluene	13.106	91	241476	22.353	ug/l	94
80) 1,3,5-Trimethylbenzene	13.153	105	262222	22.029	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.723	75	32197	17.698	ug/l	91
82) 4-Chlorotoluene	13.200	91	250722	22.292	ug/l	95
83) tert-Butylbenzene	13.417	119	222918	22.422	ug/l	96
84) 1,2,4-Trimethylbenzene	13.464	105	269488	22.169	ug/l	99
85) sec-Butylbenzene	13.594	105	329434	21.998	ug/l	99
86) p-Isopropyltoluene	13.706	119	272080	22.671	ug/l	97
87) 1,3-Dichlorobenzene	13.711	146	145480	20.458	ug/l	98
88) 1,4-Dichlorobenzene	13.794	146	150121	19.766	ug/l	97
89) n-Butylbenzene	14.035	91	270370	23.593	ug/l	98
90) Hexachloroethane	14.311	117	49037	19.285	ug/l	96
91) 1,2-Dichlorobenzene	14.088	146	138916	20.620	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	27318	19.792	ug/l	92
93) 1,2,4-Trichlorobenzene	15.364	180	83245	21.036	ug/l	99
94) Hexachlorobutadiene	15.476	225	31065	21.127	ug/l	99
95) Naphthalene	15.617	128	298554	21.296	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	78959	19.891	ug/l	95

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

