

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
 Data File : VN087286.D
 Acq On : 07 Jul 2025 11:41
 Operator : JC\MD
 Sample : VN0707WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0707WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/08/2025
 Supervised By : Mahesh Dadoda 07/08/2025

Quant Time: Jul 08 01:30:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	214445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	354114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	330344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	176576	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	130743	48.578	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.160%		
35) Dibromofluoromethane	8.171	113	111888	49.346	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.700%		
50) Toluene-d8	10.565	98	414770	46.931	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.860%		
62) 4-Bromofluorobenzene	12.847	95	147242	46.824	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.640%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.154	85	39957	19.146	ug/l	93
3) Chloromethane	2.401	50	30846	18.202	ug/l	98
4) Vinyl Chloride	2.553	62	38629	18.541	ug/l	100
5) Bromomethane	2.995	94	34795	18.302	ug/l	91
6) Chloroethane	3.153	64	31211	18.913	ug/l	92
7) Trichlorofluoromethane	3.530	101	65715	18.178	ug/l	94
8) Diethyl Ether	3.983	74	21782	18.880	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.406	101	39854	18.988	ug/l	98
10) Methyl Iodide	4.618	142	43170	20.728	ug/l	97
11) Tert butyl alcohol	5.536	59	49178	100.259	ug/l	99
12) 1,1-Dichloroethene	4.371	96	36613	18.361	ug/l	98
13) Acrolein	4.200	56	36274	106.772	ug/l	96
14) Allyl chloride	5.047	41	42847	17.533	ug/l #	82
15) Acrylonitrile	5.736	53	110394	90.402	ug/l	98
16) Acetone	4.447	43	106119	103.131	ug/l	97
17) Carbon Disulfide	4.742	76	103827	17.355	ug/l	98
18) Methyl Acetate	5.042	43	47396	20.121	ug/l	98
19) Methyl tert-butyl Ether	5.818	73	124102	17.758	ug/l	94
20) Methylene Chloride	5.306	84	42635	18.704	ug/l	98
21) trans-1,2-Dichloroethene	5.800	96	41545	17.242	ug/l	93
22) Diisopropyl ether	6.683	45	101656	17.374	ug/l	95
23) Vinyl Acetate	6.618	43	468243	86.532	ug/l	99
24) 1,1-Dichloroethane	6.588	63	68169	17.782	ug/l	98
25) 2-Butanone	7.494	43	152430	94.793	ug/l	93
26) 2,2-Dichloropropane	7.494	77	66405	18.102	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	47211	16.966	ug/l	97
28) Bromochloromethane	7.824	49	30266	17.887	ug/l	96
29) Tetrahydrofuran	7.847	42	94999	91.680	ug/l	100
30) Chloroform	7.977	83	78175	18.398	ug/l	92
31) Cyclohexane	8.265	56	56666	15.460	ug/l	90
32) 1,1,1-Trichloroethane	8.177	97	71396	18.042	ug/l	96
36) 1,1-Dichloropropene	8.377	75	51720	16.774	ug/l	97
37) Ethyl Acetate	7.571	43	59385	17.916	ug/l	98
38) Carbon Tetrachloride	8.371	117	63260	18.106	ug/l	92
39) Methylcyclohexane	9.606	83	59986	16.336	ug/l	98
40) Benzene	8.612	78	163065	17.070	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	25655	16.188	ug/l	91
42) 1,2-Dichloroethane	8.677	62	57796	18.193	ug/l	97
43) Isopropyl Acetate	8.694	43	90596	17.624	ug/l	99
44) Trichloroethene	9.359	130	46018	18.129	ug/l	98
45) 1,2-Dichloropropane	9.624	63	37891	18.192	ug/l	92
46) Dibromomethane	9.712	93	32199	18.172	ug/l	99
47) Bromodichloromethane	9.888	83	61771	18.279	ug/l	97
48) Methyl methacrylate	9.682	41	37760	17.429	ug/l	99
49) 1,4-Dioxane	9.700	88	18180	412.870	ug/l #	95
51) 4-Methyl-2-Pentanone	10.447	43	268043	85.225	ug/l	98
52) Toluene	10.629	92	108156	17.264	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	62624	17.278	ug/l	94
54) cis-1,3-Dichloropropene	10.318	75	66111	17.902	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	44510	18.807	ug/l	98
56) Ethyl methacrylate	10.888	69	54219	15.637	ug/l	98
57) 1,3-Dichloropropane	11.165	76	67957	17.594	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	153622	83.831	ug/l	99
59) 2-Hexanone	11.206	43	157073	69.721	ug/l	97
60) Dibromochloromethane	11.359	129	50464	18.088	ug/l	98
61) 1,2-Dibromoethane	11.471	107	46760	18.368	ug/l	99
64) Tetrachloroethene	11.106	164	39254	17.822	ug/l	97
65) Chlorobenzene	11.888	112	126687	17.091	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	45896	17.932	ug/l	99
67) Ethyl Benzene	11.965	91	199407	16.625	ug/l	99
68) m/p-Xylenes	12.070	106	162856	33.984	ug/l	97
69) o-Xylene	12.400	106	76249	17.009	ug/l	96
70) Styrene	12.412	104	129703	17.025	ug/l	99
71) Bromoform	12.576	173	37047	18.762	ug/l #	98
73) Isopropylbenzene	12.694	105	191734	16.852	ug/l	99
74) N-amyl acetate	12.547	43	68331m	18.263	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	67517	18.041	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	66142m	19.693	ug/l	
77) Bromobenzene	12.976	156	53035	17.857	ug/l	98
78) n-propylbenzene	13.035	91	231427	16.839	ug/l	100
79) 2-Chlorotoluene	13.123	91	138904	16.983	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	165602	17.413	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	22921	16.030	ug/l	98
82) 4-Chlorotoluene	13.223	91	140211	16.376	ug/l	96
83) tert-Butylbenzene	13.435	119	139376	16.728	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	163077	17.118	ug/l	98
85) sec-Butylbenzene	13.612	105	202157	17.117	ug/l	100
86) p-Isopropyltoluene	13.729	119	172565	16.999	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	102598	17.346	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	108739	17.607	ug/l	99
89) n-Butylbenzene	14.053	91	144817	16.202	ug/l	99
90) Hexachloroethane	14.329	117	32177	17.124	ug/l	98
91) 1,2-Dichlorobenzene	14.100	146	97976	17.712	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	15932	17.715	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	56123	17.157	ug/l	98
94) Hexachlorobutadiene	15.500	225	18271	17.583	ug/l	95
95) Naphthalene	15.635	128	183520	16.216	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	54397	17.069	ug/l	97

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

