

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070125\
 Data File : VN087251.D
 Acq On : 01 Jul 2025 10:41
 Operator : JC\MD
 Sample : VN0701WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 02 01:58:11 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	215481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	355330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	328891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	180334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	128282	47.434	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.860%		
35) Dibromofluoromethane	8.177	113	109692	48.212	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.420%		
50) Toluene-d8	10.565	98	418400	47.179	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.360%		
62) 4-Bromofluorobenzene	12.847	95	151864	48.128	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	42598	20.314	ug/l	95
3) Chloromethane	2.395	50	32722	19.217	ug/l	99
4) Vinyl Chloride	2.548	62	40525	19.358	ug/l	99
5) Bromomethane	3.001	94	35300	18.478	ug/l	100
6) Chloroethane	3.159	64	31391	18.930	ug/l	99
7) Trichlorofluoromethane	3.530	101	70307	19.354	ug/l	97
8) Diethyl Ether	3.983	74	23786	20.518	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.395	101	41774	19.807	ug/l	99
10) Methyl Iodide	4.612	142	36977	17.669	ug/l	98
11) Tert butyl alcohol	5.536	59	47205	95.774	ug/l	97
12) 1,1-Dichloroethene	4.365	96	39843	19.885	ug/l	92
13) Acrolein	4.206	56	34892	102.211	ug/l	94
14) Allyl chloride	5.048	41	44867	18.271	ug/l	96
15) Acrylonitrile	5.736	53	109372	89.134	ug/l	100
16) Acetone	4.442	43	97653	94.448	ug/l	96
17) Carbon Disulfide	4.736	76	111914	18.617	ug/l	97
18) Methyl Acetate	5.048	43	43175	18.241	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	129297	18.413	ug/l	99
20) Methylene Chloride	5.295	84	43511	18.997	ug/l	92
21) trans-1,2-Dichloroethene	5.800	96	43318	17.892	ug/l	91
22) Diisopropyl ether	6.683	45	105993	18.028	ug/l	98
23) Vinyl Acetate	6.618	43	482601	88.756	ug/l	99
24) 1,1-Dichloroethane	6.589	63	70506	18.303	ug/l	96
25) 2-Butanone	7.489	43	145703	90.174	ug/l	98
26) 2,2-Dichloropropane	7.500	77	71334	19.352	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	53914	19.282	ug/l	94
28) Bromochloromethane	7.818	49	27395	16.112	ug/l	99
29) Tetrahydrofuran	7.847	42	93922	90.205	ug/l	99
30) Chloroform	7.977	83	80510	18.856	ug/l	95
31) Cyclohexane	8.265	56	63532	17.250	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	74221	18.666	ug/l	97
36) 1,1-Dichloropropene	8.377	75	57111	18.459	ug/l	99
37) Ethyl Acetate	7.571	43	59766	17.969	ug/l	98
38) Carbon Tetrachloride	8.371	117	67718	19.315	ug/l	97
39) Methylcyclohexane	9.600	83	67338	18.275	ug/l	98
40) Benzene	8.612	78	173383	18.088	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	28281	17.784	ug/l	97
42) 1,2-Dichloroethane	8.677	62	58355	18.306	ug/l	99
43) Isopropyl Acetate	8.694	43	89006	17.256	ug/l	99
44) Trichloroethene	9.359	130	47986	18.840	ug/l	94
45) 1,2-Dichloropropane	9.624	63	38196	18.276	ug/l	99
46) Dibromomethane	9.712	93	33327	18.745	ug/l	98
47) Bromodichloromethane	9.888	83	62240	18.355	ug/l	97
48) Methyl methacrylate	9.683	41	37648	17.318	ug/l	97
49) 1,4-Dioxane	9.700	88	16169	367.842	ug/l #	98
51) 4-Methyl-2-Pentanone	10.447	43	284574	90.171	ug/l	97
52) Toluene	10.630	92	115529	18.377	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	66009	18.149	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	67397	18.188	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	44477	18.729	ug/l	97
56) Ethyl methacrylate	10.882	69	58297	16.756	ug/l	99
57) 1,3-Dichloropropane	11.165	76	70621	18.221	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	153705	83.589	ug/l	99
59) 2-Hexanone	11.206	43	161419	71.405	ug/l	99
60) Dibromochloromethane	11.359	129	53194	19.002	ug/l	96
61) 1,2-Dibromoethane	11.471	107	47148	18.457	ug/l	100
64) Tetrachloroethene	11.100	164	40516	18.476	ug/l	91
65) Chlorobenzene	11.888	112	136974	18.561	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	47627	18.690	ug/l	99
67) Ethyl Benzene	11.965	91	219614	18.391	ug/l	99
68) m/p-Xylenes	12.071	106	177766	37.259	ug/l	98
69) o-Xylene	12.394	106	82989	18.595	ug/l	97
70) Styrene	12.412	104	140747	18.556	ug/l	100
71) Bromoform	12.576	173	38862	19.768	ug/l #	96
73) Isopropylbenzene	12.694	105	212311	18.272	ug/l	100
74) N-amyl acetate	12.547	43	59933m	15.685	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	66988	17.527	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	59465m	17.336	ug/l	
77) Bromobenzene	12.976	156	56291	18.558	ug/l	98
78) n-propylbenzene	13.035	91	250209	17.827	ug/l	99
79) 2-Chlorotoluene	13.123	91	149614	17.911	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	179515	18.483	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	23696	16.227	ug/l	95
82) 4-Chlorotoluene	13.218	91	153784	17.587	ug/l	99
83) tert-Butylbenzene	13.435	119	155991	18.332	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	181210	18.625	ug/l	98
85) sec-Butylbenzene	13.612	105	219457	18.195	ug/l	98
86) p-Isopropyltoluene	13.729	119	191331	18.454	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	110417	18.279	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	113059	17.925	ug/l	99
89) n-Butylbenzene	14.053	91	163847	17.949	ug/l	98
90) Hexachloroethane	14.329	117	35693	18.599	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	103404	18.304	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	15550	16.930	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	60864	18.219	ug/l	99
94) Hexachlorobutadiene	15.500	225	18755	17.673	ug/l	99
95) Naphthalene	15.635	128	202955	17.560	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	58440	17.956	ug/l	99

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

