

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086917.D
 Acq On : 10 Jun 2025 11:04
 Operator : JC\MD
 Sample : VN0610WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/11/2025
 Supervised By : Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:49:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	231054	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	413772	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	362257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	176612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	145233	46.947	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.900%		
35) Dibromofluoromethane	8.177	113	121998	49.752	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.500%		
50) Toluene-d8	10.565	98	466490	48.056	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.120%		
62) 4-Bromofluorobenzene	12.847	95	175162	48.568	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	43846	19.032	ug/l	100
3) Chloromethane	2.401	50	47921	16.109	ug/l	99
4) Vinyl Chloride	2.554	62	55854	18.201	ug/l	97
5) Bromomethane	3.001	94	33013	19.224	ug/l	99
6) Chloroethane	3.159	64	37499	18.918	ug/l	98
7) Trichlorofluoromethane	3.530	101	74826	18.663	ug/l	96
8) Diethyl Ether	3.983	74	34988	20.029	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.406	101	46258	18.364	ug/l	99
10) Methyl Iodide	4.612	142	51389	15.737	ug/l	97
11) Tert butyl alcohol	5.536	59	73802	87.922	ug/l	100
12) 1,1-Dichloroethene	4.365	96	48271	18.770	ug/l	93
13) Acrolein	4.200	56	22666	85.306	ug/l	98
14) Allyl chloride	5.042	41	73405m	17.211	ug/l	
15) Acrylonitrile	5.736	53	186199	94.903	ug/l	100
16) Acetone	4.448	43	138199	84.240	ug/l	98
17) Carbon Disulfide	4.742	76	123418	17.350	ug/l	99
18) Methyl Acetate	5.047	43	88921	18.600	ug/l	98
19) Methyl tert-butyl Ether	5.812	73	183666	19.725	ug/l	100
20) Methylene Chloride	5.300	84	57241	18.637	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	52483	18.343	ug/l	95
22) Diisopropyl ether	6.689	45	170908	19.010	ug/l	97
23) Vinyl Acetate	6.618	43	736239	96.927	ug/l	99
24) 1,1-Dichloroethane	6.589	63	97772	18.898	ug/l	98
25) 2-Butanone	7.494	43	242113	90.793	ug/l	97
26) 2,2-Dichloropropane	7.500	77	81738	20.310	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	65817	19.234	ug/l	98
28) Bromochloromethane	7.824	49	45149	17.749	ug/l	93
29) Tetrahydrofuran	7.847	42	160602	92.453	ug/l	97
30) Chloroform	7.977	83	96850	18.745	ug/l	98
31) Cyclohexane	8.265	56	84710	16.883	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	80954	18.422	ug/l	92
36) 1,1-Dichloropropene	8.383	75	68715	18.806	ug/l	99
37) Ethyl Acetate	7.571	43	88311	18.986	ug/l	99
38) Carbon Tetrachloride	8.371	117	68754	19.166	ug/l	96
39) Methylcyclohexane	9.606	83	81502	16.281	ug/l	95
40) Benzene	8.612	78	227384	19.031	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	48259	18.474	ug/l	94
42) 1,2-Dichloroethane	8.677	62	72029	19.875	ug/l	100
43) Isopropyl Acetate	8.694	43	142783	19.126	ug/l	98
44) Trichloroethene	9.359	130	55729	19.670	ug/l	99
45) 1,2-Dichloropropane	9.624	63	56820	19.547	ug/l	99
46) Dibromomethane	9.712	93	39978	20.706	ug/l	98
47) Bromodichloromethane	9.888	83	79316	19.966	ug/l	95
48) Methyl methacrylate	9.682	41	64349	18.727	ug/l	97
49) 1,4-Dioxane	9.700	88	23335	373.296	ug/l #	97
51) 4-Methyl-2-Pentanone	10.447	43	441787	98.299	ug/l	99
52) Toluene	10.635	92	141711	19.407	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	91686	20.640	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	96403	20.283	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	56698	20.180	ug/l	98
56) Ethyl methacrylate	10.882	69	92581	20.688	ug/l	95
57) 1,3-Dichloropropane	11.165	76	97585	20.022	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	250113	93.704	ug/l	98
59) 2-Hexanone	11.206	43	274607	94.857	ug/l	97
60) Dibromochloromethane	11.359	129	61225	20.915	ug/l	99
61) 1,2-Dibromoethane	11.471	107	58392	20.276	ug/l	98
64) Tetrachloroethene	11.106	164	42169	18.394	ug/l	98
65) Chlorobenzene	11.888	112	158329	19.817	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	52090	20.282	ug/l	99
67) Ethyl Benzene	11.965	91	258528	18.785	ug/l	99
68) m/p-Xylenes	12.071	106	200337	38.028	ug/l	99
69) o-Xylene	12.400	106	99445	19.710	ug/l	98
70) Styrene	12.412	104	170919	19.797	ug/l	100
71) Bromoform	12.576	173	39872	20.953	ug/l #	96
73) Isopropylbenzene	12.694	105	239786	18.637	ug/l	100
74) N-amyl acetate	12.529	43	94962	21.121	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.935	83	91175	20.917	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	76089m	18.125	ug/l	
77) Bromobenzene	12.982	156	60355	20.455	ug/l	100
78) n-propylbenzene	13.035	91	284206	18.176	ug/l	100
79) 2-Chlorotoluene	13.123	91	175915	18.760	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	195958	18.447	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	35153	19.275	ug/l	94
82) 4-Chlorotoluene	13.218	91	180752	19.051	ug/l	98
83) tert-Butylbenzene	13.435	119	177514	18.256	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	200229	18.797	ug/l	100
85) sec-Butylbenzene	13.618	105	242849	17.198	ug/l	100
86) p-Isopropyltoluene	13.729	119	205414	17.598	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	113354	19.526	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	114393	19.327	ug/l	97
89) n-Butylbenzene	14.053	91	187901	16.619	ug/l	99
90) Hexachloroethane	14.329	117	34646	17.510	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	110330	19.781	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	20166	19.345	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	61228	17.191	ug/l	99
94) Hexachlorobutadiene	15.500	225	18980	14.304	ug/l	98
95) Naphthalene	15.635	128	252396	19.039	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	58621	16.566	ug/l	99

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

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