

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
 Data File : VN087184.D
 Acq On : 26 Jun 2025 11:07
 Operator : JC\MD
 Sample : VN0626WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/27/2025
 Supervised By : Mahesh Dadoda 06/27/2025

Quant Time: Jun 27 01:22:09 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	145034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	252150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	239853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	112444	57.906	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.820%			
35) Dibromofluoromethane	8.177	113	90676	60.681	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 121.360%			
50) Toluene-d8	10.565	98	328581	55.545	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.100%			
62) 4-Bromofluorobenzene	12.847	95	119535	54.389	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.780%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.154	85	29292	20.256	ug/l	100
3) Chloromethane	2.395	50	30339	16.247	ug/l	100
4) Vinyl Chloride	2.554	62	32437	16.839	ug/l	98
5) Bromomethane	3.001	94	16889	15.668	ug/l	99
6) Chloroethane	3.153	64	18689	15.020	ug/l	97
7) Trichlorofluoromethane	3.530	101	37979	15.091	ug/l	90
8) Diethyl Ether	3.983	74	18834	17.176	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.395	101	33656	21.285	ug/l	97
10) Methyl Iodide	4.612	142	21147	10.317	ug/l	99
11) Tert butyl alcohol	5.542	59	45275	85.927	ug/l	99
12) 1,1-Dichloroethene	4.365	96	31846	19.728	ug/l	94
13) Acrolein	4.200	56	11873	71.188	ug/l	98
14) Allyl chloride	5.047	41	53023	19.806	ug/l	95
15) Acrylonitrile	5.742	53	123749	100.482	ug/l	99
16) Acetone	4.453	43	109014	105.862	ug/l	91
17) Carbon Disulfide	4.736	76	90280	20.218	ug/l	98
18) Methyl Acetate	5.047	43	61012	20.331	ug/l	95
19) Methyl tert-butyl Ether	5.806	73	116291	19.896	ug/l	99
20) Methylene Chloride	5.295	84	39261	20.364	ug/l	97
21) trans-1,2-Dichloroethene	5.812	96	35773	19.918	ug/l	95
22) Diisopropyl ether	6.683	45	119830	21.234	ug/l	96
23) Vinyl Acetate	6.618	43	514783	107.968	ug/l	97
24) 1,1-Dichloroethane	6.583	63	69926	21.532	ug/l	96
25) 2-Butanone	7.494	43	164593	98.331	ug/l	98
26) 2,2-Dichloropropane	7.494	77	60050	23.771	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	42493	19.783	ug/l	93
28) Bromochloromethane	7.824	49	38363	24.025	ug/l	94
29) Tetrahydrofuran	7.847	42	109397	100.327	ug/l	98
30) Chloroform	7.977	83	68721	21.189	ug/l	97
31) Cyclohexane	8.265	56	61691	19.588	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	57986	21.021	ug/l	90
36) 1,1-Dichloropropene	8.377	75	49203	22.097	ug/l	97
37) Ethyl Acetate	7.571	43	66835	23.579	ug/l	95
38) Carbon Tetrachloride	8.365	117	47041	21.519	ug/l	97
39) Methylcyclohexane	9.606	83	51612	16.919	ug/l	96
40) Benzene	8.612	78	155049	21.294	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	33458	21.018	ug/l	96
42) 1,2-Dichloroethane	8.677	62	51408	23.278	ug/l	99
43) Isopropyl Acetate	8.694	43	97841	21.506	ug/l	99
44) Trichloroethene	9.353	130	35241	20.412	ug/l	99
45) 1,2-Dichloropropane	9.624	63	38518	21.744	ug/l	96
46) Dibromomethane	9.712	93	25515	21.685	ug/l	97
47) Bromodichloromethane	9.888	83	53945	22.284	ug/l	95
48) Methyl methacrylate	9.682	41	44252	21.133	ug/l	95
49) 1,4-Dioxane	9.700	88	12856	337.485	ug/l #	95
51) 4-Methyl-2-Pentanone	10.447	43	296704	108.333	ug/l	96
52) Toluene	10.629	92	94925	21.333	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	58235	21.513	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	62641	21.627	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	38129	22.269	ug/l	98
56) Ethyl methacrylate	10.882	69	55203	20.242	ug/l	95
57) 1,3-Dichloropropane	11.165	76	65014	21.889	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	164482	101.121	ug/l	97
59) 2-Hexanone	11.206	43	168173	95.327	ug/l	99
60) Dibromochloromethane	11.359	129	39105	21.921	ug/l	99
61) 1,2-Dibromoethane	11.471	107	37515	21.376	ug/l	100
64) Tetrachloroethene	11.100	164	27994	18.442	ug/l	96
65) Chlorobenzene	11.888	112	105624	19.967	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	35391	20.812	ug/l	98
67) Ethyl Benzene	11.965	91	175198	19.227	ug/l	100
68) m/p-Xylenes	12.071	106	134637	38.599	ug/l	99
69) o-Xylene	12.394	106	63692	19.066	ug/l	99
70) Styrene	12.412	104	109283	19.117	ug/l	98
71) Bromoform	12.576	173	25990	20.628	ug/l #	100
73) Isopropylbenzene	12.694	105	152923	17.717	ug/l	99
74) N-amyl acetate	12.547	43	56210m	18.636	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	59473	20.338	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	57205m	20.312	ug/l	
77) Bromobenzene	12.976	156	38310	19.353	ug/l	98
78) n-propylbenzene	13.035	91	192212	18.324	ug/l	98
79) 2-Chlorotoluene	13.123	91	117027	18.603	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	127954	17.955	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	20609	16.845	ug/l	92
82) 4-Chlorotoluene	13.218	91	120904	18.995	ug/l	100
83) tert-Butylbenzene	13.435	119	108246	16.594	ug/l	96
84) 1,2,4-Trimethylbenzene	13.476	105	132930	18.602	ug/l	97
85) sec-Butylbenzene	13.612	105	163316	17.240	ug/l	99
86) p-Isopropyltoluene	13.723	119	133748	17.079	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	74719	19.185	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	75271	18.957	ug/l	96
89) n-Butylbenzene	14.053	91	125312	16.521	ug/l	98
90) Hexachloroethane	14.329	117	25420	19.150	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	72518	19.381	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13353	19.094	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	42249	17.682	ug/l	98
94) Hexachlorobutadiene	15.494	225	13076	14.689	ug/l	99
95) Naphthalene	15.635	128	151025	16.981	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	40470	17.048	ug/l	98

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

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