

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087126.D
 Acq On : 20 Jun 2025 10:40
 Operator : JC\MD
 Sample : VN0620WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/23/2025
 Supervised By : Mahesh Dadoda 06/23/2025

Quant Time: Jun 20 23:00:59 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	165924	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	296616	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	109313	49.206	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.420%		
35) Dibromofluoromethane	8.177	113	93740	53.328	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.660%		
50) Toluene-d8	10.565	98	338168	48.596	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.200%		
62) 4-Bromofluorobenzene	12.847	95	128895	49.855	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.720%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.153	85	29127	17.606	ug/l	96
3) Chloromethane	2.395	50	31138	14.576	ug/l #	88
4) Vinyl Chloride	2.553	62	40616	18.431	ug/l	95
5) Bromomethane	3.000	94	24440	19.818	ug/l	92
6) Chloroethane	3.159	64	26090	18.328	ug/l	92
7) Trichlorofluoromethane	3.530	101	53088	18.438	ug/l	99
8) Diethyl Ether	3.989	74	23389	18.644	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.400	101	33757	18.661	ug/l	98
10) Methyl Iodide	4.612	142	25126	10.715	ug/l	96
11) Tert butyl alcohol	5.530	59	44748	74.234	ug/l	100
12) 1,1-Dichloroethene	4.371	96	33725	18.261	ug/l	91
13) Acrolein	4.206	56	21448	112.408	ug/l	99
14) Allyl chloride	5.047	41	48588	15.864	ug/l	94
15) Acrylonitrile	5.736	53	121205	86.026	ug/l	100
16) Acetone	4.447	43	92971	78.916	ug/l	93
17) Carbon Disulfide	4.736	76	95114	18.619	ug/l	99
18) Methyl Acetate	5.047	43	52788	15.376	ug/l	98
19) Methyl tert-butyl Ether	5.812	73	121995	18.244	ug/l	99
20) Methylene Chloride	5.300	84	40698	18.452	ug/l #	91
21) trans-1,2-Dichloroethene	5.800	96	36566	17.796	ug/l	87
22) Diisopropyl ether	6.683	45	112420	17.413	ug/l	97
23) Vinyl Acetate	6.618	43	489438	89.728	ug/l	99
24) 1,1-Dichloroethane	6.588	63	67845	18.261	ug/l	97
25) 2-Butanone	7.494	43	150937	78.820	ug/l	95
26) 2,2-Dichloropropane	7.500	77	56823	19.661	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	44677	18.181	ug/l	100
28) Bromochloromethane	7.818	49	30197	16.530	ug/l	95
29) Tetrahydrofuran	7.847	42	100272	80.381	ug/l	95
30) Chloroform	7.977	83	67361	18.155	ug/l	98
31) Cyclohexane	8.265	56	60080	16.674	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	57523	18.228	ug/l	94
36) 1,1-Dichloropropene	8.377	75	48186	18.396	ug/l	98
37) Ethyl Acetate	7.565	43	57727	17.313	ug/l	98
38) Carbon Tetrachloride	8.371	117	47087	18.311	ug/l	92
39) Methylcyclohexane	9.606	83	56497	15.744	ug/l	96
40) Benzene	8.612	78	155094	18.107	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	30614	16.348	ug/l	94
42) 1,2-Dichloroethane	8.677	62	49897	19.206	ug/l	100
43) Isopropyl Acetate	8.694	43	91091	17.021	ug/l	97
44) Trichloroethene	9.353	130	38010	18.715	ug/l	97
45) 1,2-Dichloropropane	9.624	63	38484	18.468	ug/l	99
46) Dibromomethane	9.712	93	27197	19.650	ug/l	98
47) Bromodichloromethane	9.888	83	52686	18.501	ug/l	99
48) Methyl methacrylate	9.682	41	39288	15.950	ug/l	93
49) 1,4-Dioxane	9.706	88	14542	324.516	ug/l #	98
51) 4-Methyl-2-Pentanone	10.447	43	278482	86.437	ug/l	100
52) Toluene	10.629	92	97851	18.694	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	58578	18.396	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	63447	18.622	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	38628	19.179	ug/l	98
56) Ethyl methacrylate	10.882	69	57681	17.980	ug/l	94
57) 1,3-Dichloropropane	11.165	76	65821	18.839	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	187581	98.034	ug/l	97
59) 2-Hexanone	11.206	43	156321	75.326	ug/l	93
60) Dibromochloromethane	11.359	129	39991	19.057	ug/l	99
61) 1,2-Dibromoethane	11.470	107	38714	18.753	ug/l	98
64) Tetrachloroethene	11.100	164	29858	18.043	ug/l	90
65) Chlorobenzene	11.888	112	107797	18.692	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	35426	19.110	ug/l	98
67) Ethyl Benzene	11.965	91	175109	17.628	ug/l	98
68) m/p-Xylenes	12.070	106	138965	36.546	ug/l	98
69) o-Xylene	12.394	106	67891	18.642	ug/l	94
70) Styrene	12.412	104	113953	18.286	ug/l	99
71) Bromoform	12.576	173	27231	19.825	ug/l #	99
73) Isopropylbenzene	12.694	105	164856	17.283	ug/l	100
74) N-amyl acetate	12.541	43	59103m	17.732	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	63113	19.531	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	58103m	18.669	ug/l	
77) Bromobenzene	12.976	156	41545	18.992	ug/l	95
78) n-propylbenzene	13.035	91	197986	17.080	ug/l	99
79) 2-Chlorotoluene	13.123	91	120647	17.355	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	136950	17.390	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	24309	17.979	ug/l	92
82) 4-Chlorotoluene	13.217	91	122808	17.459	ug/l	99
83) tert-Butylbenzene	13.435	119	116014	16.093	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	137747	17.443	ug/l	98
85) sec-Butylbenzene	13.612	105	167567	16.006	ug/l	100
86) p-Isopropyltoluene	13.729	119	137806	15.924	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	79721	18.523	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	81795	18.641	ug/l	99
89) n-Butylbenzene	14.053	91	123565	14.741	ug/l	99
90) Hexachloroethane	14.329	117	24288	16.558	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	73654	17.812	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13009	16.833	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	40239	15.239	ug/l	99
94) Hexachlorobutadiene	15.500	225	11633	11.825	ug/l	95
95) Naphthalene	15.635	128	157515	16.027	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	38813	14.795	ug/l	99

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

