

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
 Data File : VN087153.D
 Acq On : 24 Jun 2025 14:01
 Operator : JC\MD
 Sample : VN0624WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/25/2025
 Supervised By : Mahesh Dadoda 06/25/2025

Quant Time: Jun 25 04:16:13 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	148340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	264363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	239185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121327	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	107515	54.134	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.260%			
35) Dibromofluoromethane	8.177	113	85696	54.699	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.400%			
50) Toluene-d8	10.565	98	295071	47.576	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.160%			
62) 4-Bromofluorobenzene	12.847	95	116960	50.758	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	28367	19.179	ug/l	95
3) Chloromethane	2.401	50	32560	17.048	ug/l	100
4) Vinyl Chloride	2.554	62	33033	16.767	ug/l	96
5) Bromomethane	3.001	94	17543	15.912	ug/l	93
6) Chloroethane	3.153	64	18858	14.818	ug/l	98
7) Trichlorofluoromethane	3.524	101	42432	16.484	ug/l	98
8) Diethyl Ether	3.989	74	22427	19.997	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.395	101	32659	20.194	ug/l	98
10) Methyl Iodide	4.612	142	24125	11.508	ug/l	92
11) Tert butyl alcohol	5.542	59	54359	100.868	ug/l	99
12) 1,1-Dichloroethene	4.365	96	31115	18.845	ug/l	92
13) Acrolein	4.200	56	17641	103.415	ug/l	99
14) Allyl chloride	5.047	41	53865	19.672	ug/l	98
15) Acrylonitrile	5.742	53	132492	105.184	ug/l	99
16) Acetone	4.448	43	109840	104.287	ug/l	99
17) Carbon Disulfide	4.736	76	88064	19.283	ug/l	96
18) Methyl Acetate	5.047	43	63774	20.778	ug/l	96
19) Methyl tert-butyl Ether	5.818	73	124179	20.772	ug/l	99
20) Methylene Chloride	5.300	84	39505	20.034	ug/l	98
21) trans-1,2-Dichloroethene	5.812	96	35542	19.348	ug/l	98
22) Diisopropyl ether	6.683	45	120915	20.949	ug/l	94
23) Vinyl Acetate	6.618	43	536070	109.926	ug/l	96
24) 1,1-Dichloroethane	6.583	63	67455	20.308	ug/l	97
25) 2-Butanone	7.494	43	178544	104.288	ug/l	97
26) 2,2-Dichloropropane	7.500	77	55288	21.398	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	42737	19.453	ug/l	98
28) Bromochloromethane	7.824	49	35644	21.825	ug/l	96
29) Tetrahydrofuran	7.847	42	117925	105.737	ug/l	96
30) Chloroform	7.977	83	67064	20.217	ug/l	92
31) Cyclohexane	8.265	56	59224	18.385	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	53557	18.983	ug/l	97
36) 1,1-Dichloropropene	8.377	75	44260	18.959	ug/l	99
37) Ethyl Acetate	7.571	43	64859	21.825	ug/l	99
38) Carbon Tetrachloride	8.371	117	43545	18.999	ug/l	98
39) Methylcyclohexane	9.606	83	49889	15.598	ug/l	98
40) Benzene	8.612	78	147066	19.265	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	36475	21.854	ug/l	98
42) 1,2-Dichloroethane	8.677	62	50665	21.881	ug/l	97
43) Isopropyl Acetate	8.694	43	102822	21.557	ug/l	98
44) Trichloroethene	9.353	130	32721	18.077	ug/l	95
45) 1,2-Dichloropropane	9.624	63	38019	20.471	ug/l	95
46) Dibromomethane	9.712	93	26115	21.170	ug/l	97
47) Bromodichloromethane	9.894	83	52674	20.753	ug/l	97
48) Methyl methacrylate	9.688	41	44971	20.484	ug/l	94
49) 1,4-Dioxane	9.700	88	14805	370.693	ug/l #	100
51) 4-Methyl-2-Pentanone	10.447	43	313262	109.095	ug/l	95
52) Toluene	10.629	92	90194	19.333	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	58166	20.495	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	60500	19.923	ug/l #	91
55) 1,1,2-Trichloroethane	11.018	97	36915	20.564	ug/l	97
56) Ethyl methacrylate	10.882	69	56036	19.599	ug/l	96
57) 1,3-Dichloropropane	11.165	76	62026	19.918	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	171844	100.767	ug/l	97
59) 2-Hexanone	11.212	43	169476	91.628	ug/l	97
60) Dibromochloromethane	11.359	129	38191	20.420	ug/l	99
61) 1,2-Dibromoethane	11.471	107	36926	20.069	ug/l	99
64) Tetrachloroethene	11.106	164	25781	17.032	ug/l	95
65) Chlorobenzene	11.894	112	99497	18.861	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	32640	19.248	ug/l	99
67) Ethyl Benzene	11.965	91	166326	18.304	ug/l	99
68) m/p-Xylenes	12.071	106	126557	36.384	ug/l	97
69) o-Xylene	12.400	106	60628	18.199	ug/l	94
70) Styrene	12.412	104	105648	18.533	ug/l	98
71) Bromoform	12.582	173	26348	20.970	ug/l #	99
73) Isopropylbenzene	12.694	105	154252	17.452	ug/l	99
74) N-amyl acetate	12.541	43	57415m	18.589	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	59548	19.887	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	53186m	18.442	ug/l	
77) Bromobenzene	12.976	156	38703	19.093	ug/l	97
78) n-propylbenzene	13.035	91	188427	17.542	ug/l	98
79) 2-Chlorotoluene	13.123	91	116548	18.093	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	129323	17.722	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	21771	17.377	ug/l	92
82) 4-Chlorotoluene	13.223	91	120113	18.428	ug/l	99
83) tert-Butylbenzene	13.435	119	105870	15.849	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	130125	17.782	ug/l	99
85) sec-Butylbenzene	13.618	105	158007	16.288	ug/l	98
86) p-Isopropyltoluene	13.729	119	129347	16.130	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	72392	18.152	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	75205	18.496	ug/l	98
89) n-Butylbenzene	14.053	91	119771	15.420	ug/l	98
90) Hexachloroethane	14.329	117	23798	17.508	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	70341	18.358	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13444	18.774	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	40872	16.705	ug/l	99
94) Hexachlorobutadiene	15.500	225	12155	13.334	ug/l	96
95) Naphthalene	15.641	128	153772	16.885	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	38759	15.944	ug/l	99

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

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