

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
 Data File : VN087001.D
 Acq On : 13 Jun 2025 15:06
 Operator : JC\MD
 Sample : VN0613WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0613WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/16/2025
 Supervised By : Mahesh Dadoda 06/16/2025

Quant Time: Jun 14 00:28:52 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	8.229	168	180967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	323903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	116534	48.096	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.200%		
35) Dibromofluoromethane	8.177	113	99231	51.696	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.400%		
50) Toluene-d8	10.570	98	370479	48.754	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.500%		
62) 4-Bromofluorobenzene	12.847	95	142094	50.331	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.660%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.153	85	37953	21.034	ug/l	99
3) Chloromethane	2.400	50	43252	18.563	ug/l	98
4) Vinyl Chloride	2.553	62	53719	22.350	ug/l	97
5) Bromomethane	3.000	94	25049	18.623	ug/l	95
6) Chloroethane	3.153	64	34063	21.940	ug/l	95
7) Trichlorofluoromethane	3.530	101	67248	21.415	ug/l	100
8) Diethyl Ether	3.983	74	30162	22.045	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.400	101	42369	21.475	ug/l	99
10) Methyl Iodide	4.612	142	23237	9.086	ug/l	98
11) Tert butyl alcohol	5.541	59	67955	103.363	ug/l	98
12) 1,1-Dichloroethene	4.365	96	44954	22.318	ug/l	91
13) Acrolein	4.200	56	35622	171.174	ug/l	98
14) Allyl chloride	5.047	41	64592	19.336	ug/l	96
15) Acrylonitrile	5.741	53	160728	104.594	ug/l	100
16) Acetone	4.447	43	123697	96.269	ug/l	95
17) Carbon Disulfide	4.736	76	130578	23.437	ug/l	100
18) Methyl Acetate	5.047	43	64257	17.161	ug/l	97
19) Methyl tert-butyl Ether	5.818	73	154323	21.160	ug/l	99
20) Methylene Chloride	5.300	84	50756	21.099	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	47940	21.392	ug/l	95
22) Diisopropyl ether	6.688	45	145393	20.648	ug/l	99
23) Vinyl Acetate	6.618	43	646099	108.602	ug/l	98
24) 1,1-Dichloroethane	6.588	63	85045	20.987	ug/l	98
25) 2-Butanone	7.494	43	207598	99.397	ug/l	95
26) 2,2-Dichloropropane	7.506	77	68840	21.839	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	57376	21.408	ug/l	98
28) Bromochloromethane	7.824	49	44327	22.248	ug/l	94
29) Tetrahydrofuran	7.853	42	137137	100.794	ug/l	95
30) Chloroform	7.977	83	84649	20.918	ug/l	99
31) Cyclohexane	8.265	56	77980	19.843	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	70349	20.439	ug/l	98
36) 1,1-Dichloropropene	8.382	75	62704	21.922	ug/l	99
37) Ethyl Acetate	7.571	43	77461	21.274	ug/l	100
38) Carbon Tetrachloride	8.371	117	60473	21.535	ug/l	99
39) Methylcyclohexane	9.606	83	75840	19.353	ug/l	97
40) Benzene	8.612	78	202406	21.640	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	41831	20.456	ug/l	96
42) 1,2-Dichloroethane	8.677	62	62902	22.173	ug/l	99
43) Isopropyl Acetate	8.694	43	120374	20.598	ug/l	96
44) Trichloroethene	9.359	130	48309	21.782	ug/l	100
45) 1,2-Dichloropropane	9.623	63	49577	21.787	ug/l	98
46) Dibromomethane	9.712	93	34302	22.695	ug/l	98
47) Bromodichloromethane	9.894	83	67450	21.690	ug/l	100
48) Methyl methacrylate	9.688	41	54551	20.281	ug/l	96
49) 1,4-Dioxane	9.706	88	21769	444.867	ug/l #	97
51) 4-Methyl-2-Pentanone	10.447	43	362032	102.903	ug/l	98
52) Toluene	10.629	92	126116	22.064	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	75922	21.834	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	82774	22.247	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	48792	22.184	ug/l	97
56) Ethyl methacrylate	10.882	69	76622	21.872	ug/l	97
57) 1,3-Dichloropropane	11.165	76	84223	22.075	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	213004	101.943	ug/l	98
59) 2-Hexanone	11.206	43	220012	97.085	ug/l	92
60) Dibromochloromethane	11.359	129	53072	23.160	ug/l	100
61) 1,2-Dibromoethane	11.470	107	50474	22.389	ug/l	99
64) Tetrachloroethene	11.106	164	38118	20.953	ug/l	93
65) Chlorobenzene	11.894	112	138331	21.819	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	44867	22.016	ug/l	99
67) Ethyl Benzene	11.965	91	230147	21.075	ug/l	99
68) m/p-Xylenes	12.070	106	181334	43.378	ug/l	99
69) o-Xylene	12.400	106	87167	21.772	ug/l	97
70) Styrene	12.412	104	146813	21.429	ug/l	99
71) Bromoform	12.582	173	35564	23.552	ug/l #	98
73) Isopropylbenzene	12.694	105	213224	20.440	ug/l	100
74) N-amyl acetate	12.529	43	59296	16.267	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	78532	22.222	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	69154m	20.318	ug/l	
77) Bromobenzene	12.982	156	52646	22.007	ug/l	98
78) n-propylbenzene	13.035	91	252489	19.917	ug/l	98
79) 2-Chlorotoluene	13.123	91	156960	20.646	ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	175480	20.375	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	30829	20.850	ug/l	97
82) 4-Chlorotoluene	13.223	91	162398	21.111	ug/l	99
83) tert-Butylbenzene	13.435	119	154658	19.618	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	179474	20.782	ug/l	100
85) sec-Butylbenzene	13.617	105	216743	18.932	ug/l	100
86) p-Isopropyltoluene	13.729	119	180744	19.098	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	100767	21.409	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	103638	21.597	ug/l	98
89) n-Butylbenzene	14.053	91	167048	18.223	ug/l	99
90) Hexachloroethane	14.335	117	31515	19.646	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	97655	21.596	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	16995	20.109	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	57324	19.852	ug/l	99
94) Hexachlorobutadiene	15.500	225	17405	16.178	ug/l	98
95) Naphthalene	15.641	128	223336	20.779	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	53514	18.653	ug/l	98

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

