

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086869.D
 Acq On : 06 Jun 2025 15:54
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060625

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/09/2025
 Supervised By : Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 02:16:19 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	218122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	394140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	348935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	172710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	152255	52.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.260%			
35) Dibromofluoromethane	8.177	113	127102	54.416	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.840%			
50) Toluene-d8	10.571	98	491265	53.129	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.260%			
62) 4-Bromofluorobenzene	12.847	95	185792	54.081	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.160%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.154	85	120237	55.286	ug/l	99
3) Chloromethane	2.401	50	139027	49.505	ug/l	99
4) Vinyl Chloride	2.554	62	151951	52.451	ug/l	99
5) Bromomethane	2.989	94	89638	55.292	ug/l	95
6) Chloroethane	3.154	64	95654	51.117	ug/l	96
7) Trichlorofluoromethane	3.524	101	196138	51.819	ug/l	97
8) Diethyl Ether	3.983	74	87405	53.001	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.395	101	127498	53.615	ug/l	99
10) Methyl Iodide	4.612	142	164080	53.227	ug/l	97
11) Tert butyl alcohol	5.542	59	207768	262.193	ug/l	99
12) 1,1-Dichloroethene	4.359	96	125461	51.678	ug/l	99
13) Acrolein	4.195	56	60336	240.545	ug/l	98
14) Allyl chloride	5.042	41	203344	50.504	ug/l	98
15) Acrylonitrile	5.736	53	479502	258.885	ug/l	100
16) Acetone	4.448	43	382146	246.750	ug/l	98
17) Carbon Disulfide	4.736	76	339466	50.550	ug/l	100
18) Methyl Acetate	5.042	43	234290	51.912	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	454641	51.720	ug/l	100
20) Methylene Chloride	5.295	84	143862	49.617	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	133535	49.437	ug/l	99
22) Diisopropyl ether	6.689	45	440080	51.853	ug/l	99
23) Vinyl Acetate	6.618	43	1828919	255.055	ug/l	99
24) 1,1-Dichloroethane	6.589	63	251473	51.487	ug/l	98
25) 2-Butanone	7.494	43	644194	255.897	ug/l	99
26) 2,2-Dichloropropane	7.500	77	216678	57.031	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	164985	51.073	ug/l	99
28) Bromochloromethane	7.824	49	108810	45.310	ug/l	99
29) Tetrahydrofuran	7.847	42	420891	256.656	ug/l	100
30) Chloroform	7.977	83	248429	50.933	ug/l	97
31) Cyclohexane	8.265	56	237836	50.212	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	209927	50.603	ug/l	97
36) 1,1-Dichloropropene	8.377	75	181414	52.123	ug/l	99
37) Ethyl Acetate	7.571	43	222090	50.125	ug/l	99
38) Carbon Tetrachloride	8.371	117	179281	52.466	ug/l	98
39) Methylcyclohexane	9.606	83	251231	52.686	ug/l	98
40) Benzene	8.612	78	579667	50.931	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	130903	52.607	ug/l	100
42) 1,2-Dichloroethane	8.677	62	177746	51.489	ug/l	100
43) Isopropyl Acetate	8.694	43	359378	50.536	ug/l	100
44) Trichloroethene	9.359	130	139763	51.788	ug/l	100
45) 1,2-Dichloropropane	9.624	63	142463	51.450	ug/l	99
46) Dibromomethane	9.712	93	97199	52.849	ug/l	98
47) Bromodichloromethane	9.894	83	196104	51.824	ug/l	100
48) Methyl methacrylate	9.688	41	168001	51.328	ug/l	98
49) 1,4-Dioxane	9.706	88	66102	1110.123	ug/l #	99
51) 4-Methyl-2-Pentanone	10.447	43	1146622	267.835	ug/l	99
52) Toluene	10.635	92	361963	52.040	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	224839	53.137	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	237774	52.519	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	137998	51.562	ug/l	99
56) Ethyl methacrylate	10.882	69	241649	56.688	ug/l	98
57) 1,3-Dichloropropane	11.165	76	238572	51.386	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	625479	246.006	ug/l	100
59) 2-Hexanone	11.200	43	781717	283.478	ug/l	100
60) Dibromochloromethane	11.359	129	146749	52.627	ug/l	99
61) 1,2-Dibromoethane	11.471	107	142338	51.887	ug/l	99
64) Tetrachloroethene	11.106	164	111409	50.450	ug/l	98
65) Chlorobenzene	11.894	112	391661	50.892	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	129045	52.164	ug/l	99
67) Ethyl Benzene	11.965	91	683879	51.590	ug/l	98
68) m/p-Xylenes	12.071	106	527293	103.912	ug/l	98
69) o-Xylene	12.400	106	254600	52.387	ug/l	100
70) Styrene	12.412	104	438751	52.758	ug/l	99
71) Bromoform	12.582	173	100357	54.751	ug/l #	99
73) Isopropylbenzene	12.694	105	652045	51.823	ug/l	100
74) N-amyl acetate	12.506	43	238355	54.212	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	220643	51.763	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	220957m	53.821	ug/l	
77) Bromobenzene	12.982	156	150950	52.313	ug/l	100
78) n-propylbenzene	13.035	91	801180	52.397	ug/l	100
79) 2-Chlorotoluene	13.123	91	473629	51.650	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	548347	52.787	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	99341	55.702	ug/l	97
82) 4-Chlorotoluene	13.223	91	481403	51.884	ug/l	99
83) tert-Butylbenzene	13.441	119	499519	52.532	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	552333	53.024	ug/l	100
85) sec-Butylbenzene	13.618	105	723986	52.428	ug/l	100
86) p-Isopropyltoluene	13.729	119	606979	53.174	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	290810	51.224	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	298412	51.557	ug/l	100
89) n-Butylbenzene	14.059	91	579636	52.424	ug/l	100
90) Hexachloroethane	14.335	117	102254	52.847	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	280025	51.340	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	50115	49.161	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	181064	51.986	ug/l	99
94) Hexachlorobutadiene	15.500	225	68570	52.843	ug/l	99
95) Naphthalene	15.641	128	674187	52.005	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	174888	50.539	ug/l	99

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

