

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052725\
 Data File : VN086780.D
 Acq On : 27 May 2025 13:18
 Operator : JC\MD
 Sample : VN0527WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0527WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/29/2025
 Supervised By : Mahesh Dadoda 05/29/2025

Quant Time: May 29 01:46:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	236828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	410426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	364983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	168788	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	142594	43.573	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.140%		
35) Dibromofluoromethane	8.165	113	120674	49.370	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.740%		
50) Toluene-d8	10.565	98	488223	48.200	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.400%		
62) 4-Bromofluorobenzene	12.847	95	172994	48.369	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	47428	18.544	ug/l	100
3) Chloromethane	2.359	50	61836	15.985	ug/l	97
4) Vinyl Chloride	2.512	62	57185	16.460	ug/l	95
5) Bromomethane	2.959	94	34128	17.040	ug/l	96
6) Chloroethane	3.118	64	36939	16.231	ug/l	97
7) Trichlorofluoromethane	3.500	101	71863	17.309	ug/l	94
8) Diethyl Ether	3.959	74	33630	19.608	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	45213	18.190	ug/l	97
10) Methyl Iodide	4.589	142	52665	17.034	ug/l	95
11) Tert butyl alcohol	5.506	59	49253	82.638	ug/l	98
12) 1,1-Dichloroethene	4.341	96	47163	17.855	ug/l	96
13) Acrolein	4.177	56	62835	98.619	ug/l	100
14) Allyl chloride	5.018	41	67279	16.827	ug/l	95
15) Acrylonitrile	5.718	53	128710	87.219	ug/l	99
16) Acetone	4.424	43	93574	76.440	ug/l	95
17) Carbon Disulfide	4.712	76	125578	17.171	ug/l	98
18) Methyl Acetate	5.018	43	55444	16.182	ug/l	97
19) Methyl tert-butyl Ether	5.788	73	166772	18.542	ug/l	99
20) Methylene Chloride	5.271	84	55718	17.248	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	49265	17.640	ug/l	98
22) Diisopropyl ether	6.671	45	160383	17.781	ug/l	97
23) Vinyl Acetate	6.600	43	574929	84.808	ug/l	99
24) 1,1-Dichloroethane	6.571	63	92967	17.555	ug/l	98
25) 2-Butanone	7.477	43	156746	82.862	ug/l	98
26) 2,2-Dichloropropane	7.488	77	77114	17.645	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	62071	18.107	ug/l	98
28) Bromochloromethane	7.812	49	47197	19.615	ug/l	92
29) Tetrahydrofuran	7.835	42	103577	83.888	ug/l	96
30) Chloroform	7.965	83	91768	17.313	ug/l	97
31) Cyclohexane	8.253	56	81448	16.583	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	77985	17.450	ug/l	95
36) 1,1-Dichloropropene	8.371	75	65977	18.300	ug/l	99
37) Ethyl Acetate	7.559	43	62487	17.158	ug/l	97
38) Carbon Tetrachloride	8.359	117	65228	18.362	ug/l	98
39) Methylcyclohexane	9.594	83	74691	19.141	ug/l	96
40) Benzene	8.606	78	221453	18.829	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	33324	16.947	ug/l	95
42) 1,2-Dichloroethane	8.671	62	65633	17.912	ug/l	97
43) Isopropyl Acetate	8.682	43	111537	15.277	ug/l	96
44) Trichloroethene	9.347	130	55688	19.631	ug/l	99
45) 1,2-Dichloropropane	9.618	63	52396	18.753	ug/l	98
46) Dibromomethane	9.706	93	34664	18.387	ug/l	97
47) Bromodichloromethane	9.882	83	72336	18.622	ug/l	99
48) Methyl methacrylate	9.676	41	49300	17.426	ug/l	93
49) 1,4-Dioxane	9.688	88	22009	367.388	ug/l #	95
51) 4-Methyl-2-Pentanone	10.441	43	317103	86.126	ug/l	97
52) Toluene	10.629	92	137053	18.749	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	79344	19.292	ug/l	94
54) cis-1,3-Dichloropropene	10.306	75	87189	19.420	ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	51478	18.878	ug/l	99
56) Ethyl methacrylate	10.870	69	82205	18.776	ug/l	95
57) 1,3-Dichloropropane	11.159	76	88261	18.788	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	191834	98.038	ug/l	98
59) 2-Hexanone	11.194	43	227334	84.552	ug/l	96
60) Dibromochloromethane	11.359	129	56464	19.758	ug/l	99
61) 1,2-Dibromoethane	11.465	107	51768	18.892	ug/l	100
64) Tetrachloroethene	11.100	164	57291	20.491	ug/l	95
65) Chlorobenzene	11.888	112	150810	18.843	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	49778	19.266	ug/l	98
67) Ethyl Benzene	11.959	91	251200	18.324	ug/l	96
68) m/p-Xylenes	12.070	106	199597	38.441	ug/l	95
69) o-Xylene	12.394	106	96784	18.749	ug/l	99
70) Styrene	12.406	104	160791	19.025	ug/l	99
71) Bromoform	12.576	173	37228	20.260	ug/l #	98
73) Isopropylbenzene	12.694	105	229899	17.635	ug/l	97
74) N-amyl acetate	12.494	43	85353	15.671	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	67249	16.791	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	79268m	20.765	ug/l	
77) Bromobenzene	12.976	156	58262	17.767	ug/l	95
78) n-propylbenzene	13.035	91	264440	17.676	ug/l	99
79) 2-Chlorotoluene	13.123	91	171027	17.582	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	190254	18.216	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	29043	19.201	ug/l	90
82) 4-Chlorotoluene	13.217	91	170209	17.662	ug/l	99
83) tert-Butylbenzene	13.435	119	165362	18.155	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	193220	18.578	ug/l	100
85) sec-Butylbenzene	13.611	105	226496	18.545	ug/l	99
86) p-Isopropyltoluene	13.723	119	190566	19.036	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	105845	18.640	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	107765	19.154	ug/l	99
89) n-Butylbenzene	14.053	91	157214	18.944	ug/l	99
90) Hexachloroethane	14.329	117	30788	18.536	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	103813	19.221	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12122	18.271	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	48171	21.129	ug/l	99
94) Hexachlorobutadiene	15.494	225	19753	20.883	ug/l	96
95) Naphthalene	15.635	128	154596	19.530	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	45761	20.496	ug/l	99

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

