

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
 Data File : VN086760.D
 Acq On : 22 May 2025 12:43
 Operator : JC\MD
 Sample : VN0522WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/23/2025
 Supervised By : Mahesh Dadoda 05/23/2025

Quant Time: May 23 01:36:11 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	265788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	467000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	412185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	184049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	161164	43.882	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.760%		
35) Dibromofluoromethane	8.165	113	138677	49.863	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.720%		
50) Toluene-d8	10.565	98	582615	50.551	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.100%		
62) 4-Bromofluorobenzene	12.847	95	205484	50.493	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	53630	18.684	ug/l	99
3) Chloromethane	2.359	50	68827	15.853	ug/l	99
4) Vinyl Chloride	2.512	62	65327	16.755	ug/l	97
5) Bromomethane	2.954	94	37694	16.770	ug/l	91
6) Chloroethane	3.118	64	42340	16.577	ug/l	96
7) Trichlorofluoromethane	3.501	101	85638	18.379	ug/l	99
8) Diethyl Ether	3.959	74	35863	18.631	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	52669	18.881	ug/l	96
10) Methyl Iodide	4.589	142	62369	17.974	ug/l	97
11) Tert butyl alcohol	5.512	59	57084	85.341	ug/l	100
12) 1,1-Dichloroethene	4.342	96	54357	18.336	ug/l	97
13) Acrolein	4.177	56	51747	72.367	ug/l	100
14) Allyl chloride	5.024	41	76027	16.943	ug/l	93
15) Acrylonitrile	5.718	53	142540	86.067	ug/l	100
16) Acetone	4.430	43	105388	76.711	ug/l	93
17) Carbon Disulfide	4.712	76	139303	16.972	ug/l	98
18) Methyl Acetate	5.024	43	65992	17.162	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	184235	18.252	ug/l	95
20) Methylene Chloride	5.277	84	62446	17.225	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	57617	18.383	ug/l	96
22) Diisopropyl ether	6.671	45	175093	17.296	ug/l	94
23) Vinyl Acetate	6.600	43	621824	81.731	ug/l	98
24) 1,1-Dichloroethane	6.565	63	105112	17.685	ug/l	99
25) 2-Butanone	7.477	43	173831	81.882	ug/l	94
26) 2,2-Dichloropropane	7.489	77	86812	17.699	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	71006	18.456	ug/l	96
28) Bromochloromethane	7.812	49	44782	16.584	ug/l	87
29) Tetrahydrofuran	7.836	42	115587	83.415	ug/l	95
30) Chloroform	7.965	83	105790	17.783	ug/l	98
31) Cyclohexane	8.253	56	93276	16.922	ug/l	92
32) 1,1,1-Trichloroethane	8.165	97	92289	18.400	ug/l	98
36) 1,1-Dichloropropene	8.365	75	76778	18.716	ug/l	98
37) Ethyl Acetate	7.553	43	69842	16.854	ug/l	97
38) Carbon Tetrachloride	8.359	117	77330	19.132	ug/l	98
39) Methylcyclohexane	9.594	83	85861	19.338	ug/l	100
40) Benzene	8.606	78	251767	18.813	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	37387	16.710	ug/l	92
42) 1,2-Dichloroethane	8.665	62	74237	17.806	ug/l	98
43) Isopropyl Acetate	8.683	43	127642	15.365	ug/l	97
44) Trichloroethene	9.347	130	66452	20.587	ug/l	100
45) 1,2-Dichloropropane	9.618	63	57960	18.231	ug/l	96
46) Dibromomethane	9.706	93	40659	18.954	ug/l	97
47) Bromodichloromethane	9.883	83	82510	18.668	ug/l	98
48) Methyl methacrylate	9.677	41	54314	16.872	ug/l	91
49) 1,4-Dioxane	9.688	88	25390	372.482	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	361782	86.357	ug/l	97
52) Toluene	10.624	92	162055	19.483	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	88904	18.998	ug/l	97
54) cis-1,3-Dichloropropene	10.306	75	97718	19.129	ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	58415	18.827	ug/l	94
56) Ethyl methacrylate	10.871	69	96382	19.347	ug/l	93
57) 1,3-Dichloropropane	11.159	76	99308	18.579	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	207339	93.125	ug/l	97
59) 2-Hexanone	11.194	43	263823	86.236	ug/l	96
60) Dibromochloromethane	11.353	129	64893	19.957	ug/l	98
61) 1,2-Dibromoethane	11.465	107	59258	19.006	ug/l	98
64) Tetrachloroethene	11.100	164	71384	22.607	ug/l	95
65) Chlorobenzene	11.888	112	178243	19.720	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	58860	20.172	ug/l	99
67) Ethyl Benzene	11.959	91	305633	19.742	ug/l	97
68) m/p-Xylenes	12.071	106	238307	40.641	ug/l	97
69) o-Xylene	12.394	106	117625	20.177	ug/l	99
70) Styrene	12.406	104	192685	20.188	ug/l	99
71) Bromoform	12.576	173	42985	20.714	ug/l #	98
73) Isopropylbenzene	12.694	105	279374	19.654	ug/l	100
74) N-amyl acetate	12.488	43	101205	17.040	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	75083	17.193	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	82561m	19.835	ug/l	
77) Bromobenzene	12.976	156	69622	19.471	ug/l	94
78) n-propylbenzene	13.029	91	314234	19.263	ug/l	98
79) 2-Chlorotoluene	13.123	91	201042	18.954	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	228021	20.022	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.729	75	32378	19.631	ug/l	95
82) 4-Chlorotoluene	13.218	91	200878	19.116	ug/l	99
83) tert-Butylbenzene	13.435	119	197147	19.850	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	228862	20.180	ug/l	100
85) sec-Butylbenzene	13.612	105	265664	19.949	ug/l	99
86) p-Isopropyltoluene	13.723	119	225702	20.676	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	121837	19.677	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	122969	20.044	ug/l	98
89) n-Butylbenzene	14.053	91	181329	20.038	ug/l	99
90) Hexachloroethane	14.329	117	35453	19.575	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	116842	19.839	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.712	75	13384	18.500	ug/l	89
93) 1,2,4-Trichlorobenzene	15.388	180	53350	21.461	ug/l	100
94) Hexachlorobutadiene	15.494	225	21497	20.842	ug/l	96
95) Naphthalene	15.635	128	539424	62.494	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	51817	21.285	ug/l	96

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

