

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
 Data File : VN086770.D
 Acq On : 23 May 2025 11:50
 Operator : JC\MD
 Sample : VN0523WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/27/2025
 Supervised By : Mahesh Dadoda 05/27/2025

Quant Time: May 24 02:31:06 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	237879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	417988	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	365055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	171389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	147158	44.769	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.540%		
35) Dibromofluoromethane	8.159	113	124938	50.190	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.380%		
50) Toluene-d8	10.565	98	504608	48.916	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.840%		
62) 4-Bromofluorobenzene	12.847	95	178744	49.073	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.140%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	48023	18.694	ug/l	98
3) Chloromethane	2.360	50	62996	16.213	ug/l	97
4) Vinyl Chloride	2.518	62	57662	16.524	ug/l	99
5) Bromomethane	2.960	94	34864	17.331	ug/l	98
6) Chloroethane	3.118	64	37992	16.620	ug/l	97
7) Trichlorofluoromethane	3.501	101	76004	18.225	ug/l	98
8) Diethyl Ether	3.959	74	33853	19.650	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	47727	19.117	ug/l	95
10) Methyl Iodide	4.589	142	55614	17.908	ug/l	97
11) Tert butyl alcohol	5.518	59	49011	81.869	ug/l	100
12) 1,1-Dichloroethene	4.342	96	47974	18.081	ug/l	95
13) Acrolein	4.177	56	71861	112.287	ug/l	98
14) Allyl chloride	5.018	41	65780	16.380	ug/l	93
15) Acrylonitrile	5.712	53	130184	87.828	ug/l	99
16) Acetone	4.424	43	93182	75.784	ug/l	95
17) Carbon Disulfide	4.712	76	126318	17.196	ug/l	98
18) Methyl Acetate	5.018	43	55664	16.175	ug/l	95
19) Methyl tert-butyl Ether	5.795	73	172926	19.141	ug/l	97
20) Methylene Chloride	5.271	84	57012	17.571	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	52669	18.775	ug/l	97
22) Diisopropyl ether	6.665	45	161153	17.787	ug/l	97
23) Vinyl Acetate	6.600	43	577773	84.851	ug/l	97
24) 1,1-Dichloroethane	6.565	63	93443	17.567	ug/l	97
25) 2-Butanone	7.477	43	155855	82.027	ug/l	96
26) 2,2-Dichloropropane	7.483	77	80609	18.363	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	64974	18.870	ug/l	95
28) Bromochloromethane	7.806	49	48128	19.914	ug/l	85
29) Tetrahydrofuran	7.836	42	105108	84.752	ug/l	96
30) Chloroform	7.965	83	96074	18.045	ug/l	97
31) Cyclohexane	8.253	56	81967	16.615	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	80886	18.019	ug/l	99
36) 1,1-Dichloropropene	8.371	75	68829	18.745	ug/l	98
37) Ethyl Acetate	7.553	43	62901	16.959	ug/l	99
38) Carbon Tetrachloride	8.359	117	68718	18.994	ug/l	100
39) Methylcyclohexane	9.600	83	76222	19.180	ug/l	96
40) Benzene	8.600	78	224807	18.768	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	34371	17.163	ug/l	96
42) 1,2-Dichloroethane	8.665	62	67530	18.096	ug/l	97
43) Isopropyl Acetate	8.683	43	115914	15.589	ug/l	96
44) Trichloroethene	9.347	130	58616	20.289	ug/l	92
45) 1,2-Dichloropropane	9.618	63	54242	19.063	ug/l	98
46) Dibromomethane	9.706	93	36663	19.095	ug/l	96
47) Bromodichloromethane	9.883	83	76183	19.257	ug/l	100
48) Methyl methacrylate	9.677	41	49817	17.290	ug/l	94
49) 1,4-Dioxane	9.689	88	22134	362.791	ug/l #	93
51) 4-Methyl-2-Pentanone	10.441	43	318153	84.848	ug/l	95
52) Toluene	10.624	92	142562	19.150	ug/l	99
53) t-1,3-Dichloropropene	10.830	75	82366	19.665	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	90002	19.684	ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	53332	19.204	ug/l	96
56) Ethyl methacrylate	10.871	69	85095	19.084	ug/l	94
57) 1,3-Dichloropropane	11.159	76	91120	19.046	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	192985	96.841	ug/l	97
59) 2-Hexanone	11.194	43	232005	84.728	ug/l	96
60) Dibromochloromethane	11.353	129	59240	20.355	ug/l	97
61) 1,2-Dibromoethane	11.465	107	54124	19.395	ug/l	99
64) Tetrachloroethene	11.100	164	60036	21.468	ug/l	98
65) Chlorobenzene	11.888	112	156701	19.575	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	53053	20.530	ug/l	98
67) Ethyl Benzene	11.959	91	261725	19.088	ug/l	96
68) m/p-Xylenes	12.071	106	209295	40.301	ug/l	96
69) o-Xylene	12.394	106	101857	19.728	ug/l	100
70) Styrene	12.406	104	170464	20.166	ug/l	98
71) Bromoform	12.577	173	37839	20.589	ug/l #	96
73) Isopropylbenzene	12.694	105	238982	18.054	ug/l	99
74) N-amyl acetate	12.488	43	87953	15.903	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	69445	17.077	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	73771m	19.032	ug/l	
77) Bromobenzene	12.977	156	62722	18.837	ug/l	91
78) n-propylbenzene	13.029	91	271639	17.882	ug/l	99
79) 2-Chlorotoluene	13.124	91	176093	17.828	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	197345	18.608	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	28356	18.462	ug/l	90
82) 4-Chlorotoluene	13.218	91	177589	18.148	ug/l	99
83) tert-Butylbenzene	13.435	119	169350	18.311	ug/l	99
84) 1,2,4-Trimethylbenzene	13.477	105	201301	19.061	ug/l	99
85) sec-Butylbenzene	13.612	105	233970	18.867	ug/l	99
86) p-Isopropyltoluene	13.724	119	198072	19.486	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	111537	19.344	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	112252	19.649	ug/l	100
89) n-Butylbenzene	14.053	91	162006	19.225	ug/l	99
90) Hexachloroethane	14.329	117	30205	17.909	ug/l	92
91) 1,2-Dichlorobenzene	14.100	146	107977	19.688	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	12085	17.939	ug/l	92
93) 1,2,4-Trichlorobenzene	15.388	180	50938	22.004	ug/l	99
94) Hexachlorobutadiene	15.494	225	21422	22.304	ug/l	96
95) Naphthalene	15.635	128	169184	21.048	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	47835	21.100	ug/l	96

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

