

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
 Data File : VN086753.D
 Acq On : 22 May 2025 09:43
 Operator : JC\MD
 Sample : VN0522WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

Manual Integrations
 APPROVED

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

Quant Time: May 23 01:31:09 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	281968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	476790	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	414976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	181924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	164210	42.145	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.300%		
35) Dibromofluoromethane	8.165	113	141526	49.842	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.680%		
50) Toluene-d8	10.565	98	580621	49.343	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.680%		
62) 4-Bromofluorobenzene	12.847	95	200653	48.294	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.580%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	52793	17.337	ug/l	99
3) Chloromethane	2.359	50	66938	14.534	ug/l	100
4) Vinyl Chloride	2.512	62	63678	15.395	ug/l	97
5) Bromomethane	2.954	94	37413	15.690	ug/l	99
6) Chloroethane	3.124	64	40975	15.122	ug/l	93
7) Trichlorofluoromethane	3.495	101	83679	16.928	ug/l	94
8) Diethyl Ether	3.959	74	33839	16.571	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	50459	17.051	ug/l	95
10) Methyl Iodide	4.589	142	59765	16.236	ug/l	96
11) Tert butyl alcohol	5.512	59	54990	77.493	ug/l	98
12) 1,1-Dichloroethene	4.342	96	52258	16.616	ug/l	91
13) Acrolein	4.177	56	57938	76.376	ug/l	100
14) Allyl chloride	5.024	41	71696	15.061	ug/l	95
15) Acrylonitrile	5.718	53	134447	76.522	ug/l	99
16) Acetone	4.424	43	102131	70.074	ug/l	98
17) Carbon Disulfide	4.712	76	134429	15.438	ug/l	98
18) Methyl Acetate	5.030	43	56855	13.938	ug/l	95
19) Methyl tert-butyl Ether	5.789	73	176206	16.455	ug/l	99
20) Methylene Chloride	5.277	84	58755	15.277	ug/l	94
21) trans-1,2-Dichloroethene	5.789	96	54317	16.335	ug/l	96
22) Diisopropyl ether	6.671	45	166266	15.482	ug/l	94
23) Vinyl Acetate	6.600	43	664177	82.289	ug/l	98
24) 1,1-Dichloroethane	6.565	63	98841	15.676	ug/l	99
25) 2-Butanone	7.483	43	168035	74.610	ug/l	96
26) 2,2-Dichloropropane	7.489	77	86997	16.719	ug/l	97
27) cis-1,2-Dichloroethene	7.489	96	66899	16.391	ug/l	97
28) Bromochloromethane	7.812	49	43042	15.025	ug/l	86
29) Tetrahydrofuran	7.836	42	105327	71.649	ug/l	92
30) Chloroform	7.965	83	99974	15.841	ug/l	97
31) Cyclohexane	8.253	56	88653	15.160	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	86403	16.238	ug/l	97
36) 1,1-Dichloropropene	8.371	75	72279	17.257	ug/l	98
37) Ethyl Acetate	7.559	43	66243	15.657	ug/l	98
38) Carbon Tetrachloride	8.359	117	74331	18.012	ug/l	98
39) Methylcyclohexane	9.594	83	80785	17.821	ug/l	99
40) Benzene	8.600	78	236475	17.308	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	35959	15.741	ug/l	96
42) 1,2-Dichloroethane	8.665	62	69818	16.402	ug/l	97
43) Isopropyl Acetate	8.683	43	117696	13.877	ug/l	95
44) Trichloroethene	9.347	130	60825	18.457	ug/l	100
45) 1,2-Dichloropropane	9.618	63	54938	16.926	ug/l	97
46) Dibromomethane	9.706	93	38093	17.393	ug/l	97
47) Bromodichloromethane	9.882	83	77787	17.238	ug/l	100
48) Methyl methacrylate	9.677	41	52526	15.982	ug/l	95
49) 1,4-Dioxane	9.694	88	26182	376.214	ug/l #	91
51) 4-Methyl-2-Pentanone	10.441	43	339918	79.472	ug/l	96
52) Toluene	10.629	92	150259	17.694	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	83312	17.437	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	92300	17.697	ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	54357	17.159	ug/l	94
56) Ethyl methacrylate	10.871	69	88371	17.375	ug/l	95
57) 1,3-Dichloropropane	11.159	76	92186	16.892	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	201742	88.751	ug/l	97
59) 2-Hexanone	11.194	43	251528	80.529	ug/l	97
60) Dibromochloromethane	11.359	129	60399	18.193	ug/l	98
61) 1,2-Dibromoethane	11.465	107	55462	17.423	ug/l	100
64) Tetrachloroethene	11.100	164	63499	19.975	ug/l	97
65) Chlorobenzene	11.888	112	166364	18.282	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.953	131	54412	18.523	ug/l	99
67) Ethyl Benzene	11.959	91	277406	17.798	ug/l	96
68) m/p-Xylenes	12.071	106	220040	37.273	ug/l	97
69) o-Xylene	12.394	106	108555	18.496	ug/l	100
70) Styrene	12.406	104	176507	18.369	ug/l	98
71) Bromoform	12.576	173	39942	19.119	ug/l #	96
73) Isopropylbenzene	12.694	105	255094	18.155	ug/l	99
74) N-amyl acetate	12.494	43	93636	15.950	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	71864	16.648	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	78175m	19.000	ug/l	
77) Bromobenzene	12.976	156	63793	18.049	ug/l	94
78) n-propylbenzene	13.029	91	289773	17.971	ug/l	99
79) 2-Chlorotoluene	13.123	91	186860	17.823	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	205936	18.294	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	30076	18.448	ug/l	92
82) 4-Chlorotoluene	13.218	91	183422	17.659	ug/l	99
83) tert-Butylbenzene	13.435	119	181753	18.514	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	208897	18.635	ug/l	99
85) sec-Butylbenzene	13.612	105	241304	18.331	ug/l	99
86) p-Isopropyltoluene	13.723	119	202813	18.797	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	111605	18.235	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	110685	18.253	ug/l	99
89) n-Butylbenzene	14.053	91	160759	17.972	ug/l	99
90) Hexachloroethane	14.329	117	31873	17.804	ug/l	93
91) 1,2-Dichlorobenzene	14.100	146	105980	18.205	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12222	17.091	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	46397	18.882	ug/l	98
94) Hexachlorobutadiene	15.494	225	19375	19.004	ug/l	98
95) Naphthalene	15.635	128	159376	18.680	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	45248	18.803	ug/l	99

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

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