

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052025\
 Data File : VN086709.D
 Acq On : 20 May 2025 11:39
 Operator : JC\MD
 Sample : VN0520WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/21/2025
 Supervised By : Mahesh Dadoda 05/21/2025

Quant Time: May 21 01:41:35 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	8.218	168	210815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	380561	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	332855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	145822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	140259	48.148	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.300%		
35) Dibromofluoromethane	8.159	113	112739	49.744	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.480%		
50) Toluene-d8	10.565	98	458681	48.837	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.680%		
62) 4-Bromofluorobenzene	12.847	95	156039	47.052	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	46150	20.271	ug/l	96
3) Chloromethane	2.359	50	63649	18.484	ug/l	98
4) Vinyl Chloride	2.512	62	57227	18.505	ug/l	96
5) Bromomethane	2.959	94	31827	17.852	ug/l	90
6) Chloroethane	3.118	64	36970	18.249	ug/l	96
7) Trichlorofluoromethane	3.501	101	68010	18.402	ug/l	92
8) Diethyl Ether	3.959	74	27874	18.257	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	41955	18.962	ug/l	97
10) Methyl Iodide	4.589	142	46259	16.808	ug/l	99
11) Tert butyl alcohol	5.518	59	43211	81.447	ug/l	99
12) 1,1-Dichloroethene	4.342	96	41445	17.626	ug/l	100
13) Acrolein	4.177	56	50213	88.534	ug/l	99
14) Allyl chloride	5.024	41	64250	18.053	ug/l	98
15) Acrylonitrile	5.718	53	118912	90.523	ug/l	98
16) Acetone	4.424	43	91715	84.167	ug/l	97
17) Carbon Disulfide	4.712	76	119474	18.352	ug/l	100
18) Methyl Acetate	5.024	43	50794	16.654	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	144479	18.045	ug/l	99
20) Methylene Chloride	5.277	84	49279	17.137	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	45069	18.129	ug/l	99
22) Diisopropyl ether	6.671	45	150689	18.767	ug/l	98
23) Vinyl Acetate	6.600	43	611422	101.320	ug/l	100
24) 1,1-Dichloroethane	6.565	63	86683	18.388	ug/l	97
25) 2-Butanone	7.483	43	149201	88.606	ug/l	100
26) 2,2-Dichloropropane	7.489	77	73306	18.843	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	55138	18.069	ug/l	98
28) Bromochloromethane	7.812	49	42471	19.829	ug/l	100
29) Tetrahydrofuran	7.836	42	98987	90.063	ug/l	98
30) Chloroform	7.965	83	86282	18.286	ug/l	96
31) Cyclohexane	8.253	56	78440	17.941	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	73283	18.421	ug/l	99
36) 1,1-Dichloropropene	8.365	75	61790	18.483	ug/l	98
37) Ethyl Acetate	7.553	43	59642	17.662	ug/l	99
38) Carbon Tetrachloride	8.359	117	60822	18.465	ug/l	95
39) Methylcyclohexane	9.600	83	66313	18.328	ug/l	98
40) Benzene	8.600	78	203421	18.653	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	33153	18.183	ug/l	98
42) 1,2-Dichloroethane	8.665	62	62642	18.437	ug/l	98
43) Isopropyl Acetate	8.683	43	112035	16.549	ug/l	98
44) Trichloroethene	9.347	130	48409	18.404	ug/l	100
45) 1,2-Dichloropropane	9.618	63	48451	18.702	ug/l	97
46) Dibromomethane	9.706	93	32260	18.454	ug/l	99
47) Bromodichloromethane	9.882	83	66623	18.497	ug/l	96
48) Methyl methacrylate	9.677	41	47908	18.263	ug/l	99
49) 1,4-Dioxane	9.688	88	19370	348.711	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	306554	89.795	ug/l	100
52) Toluene	10.624	92	124320	18.342	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	72129	18.914	ug/l	96
54) cis-1,3-Dichloropropene	10.306	75	78288	18.806	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	44977	17.789	ug/l	97
56) Ethyl methacrylate	10.871	69	73547	18.117	ug/l	98
57) 1,3-Dichloropropane	11.159	76	80448	18.469	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	172451	95.048	ug/l	98
59) 2-Hexanone	11.188	43	221951	89.028	ug/l	98
60) Dibromochloromethane	11.359	129	49377	18.634	ug/l	98
61) 1,2-Dibromoethane	11.465	107	45758	18.009	ug/l	100
64) Tetrachloroethene	11.100	164	48192	18.900	ug/l	96
65) Chlorobenzene	11.888	112	133933	18.350	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	43367	18.405	ug/l	98
67) Ethyl Benzene	11.959	91	226973	18.155	ug/l	99
68) m/p-Xylenes	12.065	106	176578	37.290	ug/l	99
69) o-Xylene	12.394	106	86238	18.319	ug/l	97
70) Styrene	12.406	104	144170	18.705	ug/l	99
71) Bromoform	12.576	173	30628	18.277	ug/l #	97
73) Isopropylbenzene	12.694	105	204177	18.129	ug/l	100
74) N-amyl acetate	12.488	43	86309	18.342	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.929	83	63329	18.303	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	58707m	17.801	ug/l	
77) Bromobenzene	12.976	156	49108	17.334	ug/l	95
78) n-propylbenzene	13.029	91	240998	18.646	ug/l	99
79) 2-Chlorotoluene	13.123	91	153603	18.278	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	167438	18.556	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	22609	17.301	ug/l	96
82) 4-Chlorotoluene	13.218	91	152053	18.263	ug/l	99
83) tert-Butylbenzene	13.435	119	141740	18.012	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	170040	18.924	ug/l	98
85) sec-Butylbenzene	13.612	105	196066	18.582	ug/l	99
86) p-Isopropyltoluene	13.723	119	161106	18.628	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	90724	18.493	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	89216	18.355	ug/l	98
89) n-Butylbenzene	14.053	91	135528	18.902	ug/l	99
90) Hexachloroethane	14.329	117	26422	18.413	ug/l	98
91) 1,2-Dichlorobenzene	14.100	146	85146	18.248	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10797	18.837	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	36861	18.715	ug/l	99
94) Hexachlorobutadiene	15.500	225	15037	18.401	ug/l	98
95) Naphthalene	15.635	128	123106	18.001	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	35083	18.189	ug/l	98

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

