

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051925\
 Data File : VN086681.D
 Acq On : 19 May 2025 11:40
 Operator : JC\MD
 Sample : VN0519WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBS01

Manual Integrations
 APPROVED

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

Quant Time: May 20 03:15:14 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	242324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	430723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	389046	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	163914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	149968	44.787	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.580%		
35) Dibromofluoromethane	8.165	113	118778	46.305	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.600%		
50) Toluene-d8	10.565	98	506119	47.612	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.220%		
62) 4-Bromofluorobenzene	12.847	95	176416	47.001	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	49283	18.832	ug/l	97
3) Chloromethane	2.360	50	69878	17.654	ug/l	100
4) Vinyl Chloride	2.512	62	63303	17.808	ug/l	97
5) Bromomethane	2.960	94	34684	16.925	ug/l	94
6) Chloroethane	3.124	64	39706	17.051	ug/l	95
7) Trichlorofluoromethane	3.501	101	73086	17.204	ug/l	97
8) Diethyl Ether	3.959	74	29949	17.065	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	44607	17.540	ug/l	98
10) Methyl Iodide	4.583	142	54223	17.140	ug/l	100
11) Tert butyl alcohol	5.518	59	49084	80.487	ug/l	100
12) 1,1-Dichloroethene	4.342	96	46170	17.082	ug/l	99
13) Acrolein	4.183	56	57954	88.896	ug/l	99
14) Allyl chloride	5.024	41	69941	17.096	ug/l	97
15) Acrylonitrile	5.718	53	124137	82.213	ug/l	100
16) Acetone	4.424	43	97593	77.915	ug/l	94
17) Carbon Disulfide	4.712	76	131089	17.518	ug/l	98
18) Methyl Acetate	5.024	43	52698	15.032	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	154563	16.795	ug/l	99
20) Methylene Chloride	5.277	84	53516	16.191	ug/l	96
21) trans-1,2-Dichloroethene	5.789	96	47965	16.785	ug/l	97
22) Diisopropyl ether	6.665	45	159630	17.296	ug/l	99
23) Vinyl Acetate	6.600	43	583110	84.064	ug/l	99
24) 1,1-Dichloroethane	6.565	63	91603	16.905	ug/l	98
25) 2-Butanone	7.477	43	159786	82.554	ug/l	99
26) 2,2-Dichloropropane	7.489	77	78678	17.594	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	59097	16.848	ug/l	99
28) Bromochloromethane	7.812	49	41560	16.881	ug/l	99
29) Tetrahydrofuran	7.836	42	105126	83.212	ug/l	99
30) Chloroform	7.965	83	91906	16.945	ug/l	99
31) Cyclohexane	8.253	56	86247	17.162	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	78458	17.158	ug/l	97
36) 1,1-Dichloropropene	8.371	75	65801	17.391	ug/l	99
37) Ethyl Acetate	7.553	43	65495	17.136	ug/l	98
38) Carbon Tetrachloride	8.359	117	66228	17.765	ug/l	99
39) Methylcyclohexane	9.594	83	73891	18.044	ug/l	99
40) Benzene	8.600	78	216567	17.546	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	34541	16.738	ug/l	99
42) 1,2-Dichloroethane	8.665	62	66602	17.320	ug/l	98
43) Isopropyl Acetate	8.683	43	117078	15.280	ug/l	99
44) Trichloroethene	9.347	130	53506	17.973	ug/l	100
45) 1,2-Dichloropropane	9.618	63	51797	17.665	ug/l	94
46) Dibromomethane	9.706	93	34697	17.537	ug/l	98
47) Bromodichloromethane	9.883	83	70474	17.288	ug/l	95
48) Methyl methacrylate	9.677	41	51103	17.212	ug/l	98
49) 1,4-Dioxane	9.688	88	21324	339.180	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	326935	84.612	ug/l	100
52) Toluene	10.624	92	138986	18.117	ug/l	99
53) t-1,3-Dichloropropene	10.830	75	76852	17.806	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	84776	17.993	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	48933	17.099	ug/l	99
56) Ethyl methacrylate	10.871	69	81783	17.799	ug/l	99
57) 1,3-Dichloropropane	11.159	76	86338	17.513	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	180751	88.021	ug/l	99
59) 2-Hexanone	11.188	43	241985	85.760	ug/l	100
60) Dibromochloromethane	11.353	129	53003	17.673	ug/l	99
61) 1,2-Dibromoethane	11.465	107	50100	17.422	ug/l	99
64) Tetrachloroethene	11.100	164	54349	18.236	ug/l	97
65) Chlorobenzene	11.888	112	149040	17.470	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	48200	17.501	ug/l	99
67) Ethyl Benzene	11.959	91	258095	17.663	ug/l	99
68) m/p-Xylenes	12.071	106	200371	36.203	ug/l	99
69) o-Xylene	12.394	106	96812	17.594	ug/l	96
70) Styrene	12.406	104	160801	17.850	ug/l	99
71) Bromoform	12.577	173	35358	18.052	ug/l #	97
73) Isopropylbenzene	12.694	105	235414	18.595	ug/l	100
74) N-amyl acetate	12.488	43	94110	17.792	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	68327	17.568	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	63642m	17.168	ug/l	
77) Bromobenzene	12.977	156	56672	17.796	ug/l	99
78) n-propylbenzene	13.029	91	272787	18.776	ug/l	99
79) 2-Chlorotoluene	13.124	91	174565	18.479	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	187764	18.512	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.729	75	25562	17.402	ug/l	87
82) 4-Chlorotoluene	13.218	91	170845	18.255	ug/l	98
83) tert-Butylbenzene	13.435	119	161663	18.277	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	187847	18.598	ug/l	100
85) sec-Butylbenzene	13.612	105	222823	18.787	ug/l	100
86) p-Isopropyltoluene	13.724	119	183190	18.843	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	98359	17.836	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	97827	17.905	ug/l	99
89) n-Butylbenzene	14.053	91	149343	18.530	ug/l	100
90) Hexachloroethane	14.329	117	29786	18.466	ug/l	95
91) 1,2-Dichlorobenzene	14.100	146	93742	17.872	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	11660	18.097	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	39675	17.920	ug/l	99
94) Hexachlorobutadiene	15.494	225	16592	18.063	ug/l	97
95) Naphthalene	15.635	128	131552	17.113	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	38228	17.632	ug/l	99

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

