

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070125\
 Data File : VN087248.D
 Acq On : 01 Jul 2025 09:25
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 02 01:56:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	221787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	357060	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	335097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	189617	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	128145	46.036	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.080%		
35) Dibromofluoromethane	8.171	113	111703	48.858	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.720%		
50) Toluene-d8	10.565	98	439891	49.362	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.720%		
62) 4-Bromofluorobenzene	12.847	95	161537	50.946	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.900%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.154	85	116562	54.005	ug/l	99
3) Chloromethane	2.395	50	89010	50.787	ug/l	97
4) Vinyl Chloride	2.553	62	115858	53.769	ug/l	99
5) Bromomethane	2.989	94	92792	47.192	ug/l	97
6) Chloroethane	3.153	64	86194	50.502	ug/l	98
7) Trichlorofluoromethane	3.530	101	195119	52.185	ug/l	98
8) Diethyl Ether	3.983	74	64664	54.194	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.395	101	116994	53.894	ug/l	98
10) Methyl Iodide	4.612	142	121704	56.501	ug/l	95
11) Tert butyl alcohol	5.542	59	126211	248.789	ug/l	100
12) 1,1-Dichloroethene	4.365	96	110286	53.478	ug/l	98
13) Acrolein	4.200	56	98912	281.509	ug/l	98
14) Allyl chloride	5.047	41	131316	51.956	ug/l	99
15) Acrylonitrile	5.736	53	311144	246.361	ug/l	99
16) Acetone	4.442	43	316772	297.663	ug/l	96
17) Carbon Disulfide	4.736	76	309561	50.031	ug/l	98
18) Methyl Acetate	5.047	43	118878	48.796	ug/l	97
19) Methyl tert-butyl Ether	5.818	73	370379	51.244	ug/l	98
20) Methylene Chloride	5.294	84	119294	50.603	ug/l	98
21) trans-1,2-Dichloroethene	5.812	96	123035	49.372	ug/l	97
22) Diisopropyl ether	6.689	45	305166	50.429	ug/l	95
23) Vinyl Acetate	6.618	43	1437222	256.808	ug/l	100
24) 1,1-Dichloroethane	6.588	63	199920	50.424	ug/l	97
25) 2-Butanone	7.494	43	419949	252.513	ug/l	98
26) 2,2-Dichloropropane	7.500	77	201275	53.052	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	148588	51.631	ug/l	98
28) Bromochloromethane	7.824	49	86932	49.675	ug/l	98
29) Tetrahydrofuran	7.847	42	271490	253.331	ug/l	99
30) Chloroform	7.977	83	223536	50.866	ug/l	100
31) Cyclohexane	8.265	56	171873	45.339	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	205845	50.296	ug/l	96
36) 1,1-Dichloropropene	8.377	75	160706	51.689	ug/l	98
37) Ethyl Acetate	7.571	43	167000	49.967	ug/l	100
38) Carbon Tetrachloride	8.365	117	190266	54.007	ug/l	98
39) Methylcyclohexane	9.606	83	198994	53.745	ug/l	96
40) Benzene	8.612	78	500883	52.001	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	82782	51.803	ug/l	99
42) 1,2-Dichloroethane	8.677	62	166638	52.021	ug/l	99
43) Isopropyl Acetate	8.688	43	269653	52.025	ug/l	99
44) Trichloroethene	9.353	130	136381	53.285	ug/l	99
45) 1,2-Dichloropropane	9.624	63	111478	53.081	ug/l	93
46) Dibromomethane	9.712	93	91558	51.247	ug/l	99
47) Bromodichloromethane	9.888	83	178034	52.249	ug/l	99
48) Methyl methacrylate	9.682	41	113167	51.804	ug/l	99
49) 1,4-Dioxane	9.706	88	43760	962.424	ug/l #	97
51) 4-Methyl-2-Pentanone	10.447	43	860785	271.430	ug/l	99
52) Toluene	10.629	92	341286	54.026	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	198388	54.283	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	202898	54.489	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	126969	53.207	ug/l	100
56) Ethyl methacrylate	10.876	69	189705	54.261	ug/l	99
57) 1,3-Dichloropropane	11.165	76	204433	52.489	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	564398	305.448	ug/l	99
59) 2-Hexanone	11.200	43	579604	255.151	ug/l	99
60) Dibromochloromethane	11.359	129	155595	55.312	ug/l	100
61) 1,2-Dibromoethane	11.471	107	139140	54.205	ug/l	100
64) Tetrachloroethene	11.106	164	121438	54.353	ug/l	93
65) Chlorobenzene	11.888	112	389324	51.778	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	138732	53.434	ug/l	100
67) Ethyl Benzene	11.965	91	664351	54.603	ug/l	98
68) m/p-Xylenes	12.070	106	538159	110.707	ug/l	100
69) o-Xylene	12.394	106	256836	56.481	ug/l	98
70) Styrene	12.412	104	439030	56.810	ug/l	99
71) Bromoform	12.576	173	117743	58.782	ug/l #	98
73) Isopropylbenzene	12.694	105	658569	53.903	ug/l	100
74) N-amyl acetate	12.512	43	176295	43.878	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.935	83	201930	50.247	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	170284m	47.214	ug/l	
77) Bromobenzene	12.976	156	170698	53.522	ug/l	99
78) n-propylbenzene	13.035	91	794711	53.849	ug/l	100
79) 2-Chlorotoluene	13.123	91	458589	52.212	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	555097	54.355	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	76274	49.675	ug/l	95
82) 4-Chlorotoluene	13.217	91	486553	52.919	ug/l	99
83) tert-Butylbenzene	13.435	119	487158	54.447	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	571966	55.911	ug/l	100
85) sec-Butylbenzene	13.612	105	693208	54.658	ug/l	100
86) p-Isopropyltoluene	13.723	119	607995	55.772	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	332440	52.340	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	334223	50.396	ug/l	99
89) n-Butylbenzene	14.053	91	526727	54.878	ug/l	99
90) Hexachloroethane	14.329	117	106977	53.015	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	309412	52.088	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	46924	48.587	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	187298	53.320	ug/l	97
94) Hexachlorobutadiene	15.494	225	53680	48.107	ug/l	98
95) Naphthalene	15.635	128	645036	53.076	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	180730	52.811	ug/l	98

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

