

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
 Data File : VN087946.D
 Acq On : 24 Sep 2025 15:37
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 25 03:11:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/25/2025
 Supervised By : Mahesh Dadoda 09/26/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	186127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	358440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	327679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	169567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	190605	60.850	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.700%			
35) Dibromofluoromethane	8.147	113	143373	55.091	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.180%			
50) Toluene-d8	10.547	98	444419	48.560	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.120%			
62) 4-Bromofluorobenzene	12.829	95	157405	48.117	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	101499	47.088	ug/l	92
3) Chloromethane	2.383	50	139997	63.432	ug/l	97
4) Vinyl Chloride	2.536	62	128941	57.264	ug/l	99
5) Bromomethane	2.977	94	83534	59.841	ug/l	98
6) Chloroethane	3.130	64	89004	60.793	ug/l	96
7) Trichlorofluoromethane	3.506	101	187168	51.054	ug/l	94
8) Diethyl Ether	3.959	74	94397	68.156	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	101320	52.290	ug/l	98
10) Methyl Iodide	4.583	142	109849	62.990	ug/l	98
11) Tert butyl alcohol	5.524	59	151208	335.146	ug/l	98
12) 1,1-Dichloroethene	4.336	96	108812	55.655	ug/l	88
13) Acrolein	4.177	56	191883	331.462	ug/l	96
14) Allyl chloride	5.012	41	192266	60.405	ug/l	98
15) Acrylonitrile	5.706	53	494569	349.466	ug/l	100
16) Acetone	4.418	43	389493	302.214	ug/l	99
17) Carbon Disulfide	4.700	76	323269	52.920	ug/l	98
18) Methyl Acetate	5.018	43	248322	76.990	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	534671	70.007	ug/l	98
20) Methylene Chloride	5.265	84	165624	63.490	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	134690	56.196	ug/l	89
22) Diisopropyl ether	6.659	45	517553	69.653	ug/l	93
23) Vinyl Acetate	6.588	43	2404370	384.310	ug/l	98
24) 1,1-Dichloroethane	6.547	63	273532	63.010	ug/l	96
25) 2-Butanone	7.471	43	660049	335.072	ug/l	98
26) 2,2-Dichloropropane	7.471	77	181047	46.941	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	181300	63.573	ug/l	95
28) Bromochloromethane	7.794	49	130603	55.374	ug/l	96
29) Tetrahydrofuran	7.824	42	449845	356.641	ug/l	99
30) Chloroform	7.947	83	303527	63.946	ug/l	97
31) Cyclohexane	8.235	56	167444	47.671	ug/l	90
32) 1,1,1-Trichloroethane	8.153	97	226666	56.515	ug/l	98
36) 1,1-Dichloropropene	8.353	75	163905	52.377	ug/l	100
37) Ethyl Acetate	7.547	43	279969	68.130	ug/l	99
38) Carbon Tetrachloride	8.341	117	182564	50.841	ug/l	98
39) Methylcyclohexane	9.582	83	167968	48.656	ug/l	99
40) Benzene	8.588	78	594873	57.413	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
 Data File : VN087946.D
 Acq On : 24 Sep 2025 15:37
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/25/2025
 Supervised By : Mahesh Dadoda 09/26/2025

Quant Time: Sep 25 03:11:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	140541	66.179	ug/l	95
42) 1,2-Dichloroethane	8.653	62	237922	61.532	ug/l	99
43) Isopropyl Acetate	8.671	43	432852	66.919	ug/l	99
44) Trichloroethene	9.329	130	127652	51.577	ug/l	96
45) 1,2-Dichloropropane	9.600	63	155536	59.864	ug/l	97
46) Dibromomethane	9.688	93	134296	65.506	ug/l	93
47) Bromodichloromethane	9.871	83	245934	61.161	ug/l #	94
48) Methyl methacrylate	9.665	41	201537	67.281	ug/l	98
49) 1,4-Dioxane	9.682	88	56926	1286.412	ug/l #	83
51) 4-Methyl-2-Pentanone	10.423	43	1379761	341.845	ug/l	99
52) Toluene	10.606	92	349110	53.692	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	241565	58.698	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	244783	57.269	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	166645	63.034	ug/l	96
56) Ethyl methacrylate	10.853	69	257278	67.349	ug/l	99
57) 1,3-Dichloropropane	11.141	76	283685	65.239	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	733838	408.567	ug/l	99
59) 2-Hexanone	11.176	43	949029	355.596	ug/l	100
60) Dibromochloromethane	11.341	129	194131	62.454	ug/l	98
61) 1,2-Dibromoethane	11.447	107	174618	62.391	ug/l	99
64) Tetrachloroethene	11.088	164	102602	51.403	ug/l	99
65) Chlorobenzene	11.870	112	381630	54.728	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.941	131	151114	60.093	ug/l	98
67) Ethyl Benzene	11.941	91	620739	53.348	ug/l	98
68) m/p-Xylenes	12.047	106	487415	109.529	ug/l	99
69) o-Xylene	12.376	106	238409	55.763	ug/l	99
70) Styrene	12.388	104	418323	56.970	ug/l	99
71) Bromoform	12.559	173	135168	66.253	ug/l #	97
73) Isopropylbenzene	12.676	105	580265	55.214	ug/l	100
74) N-amyl acetate	12.506	43	159528m	46.070	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	259605	68.560	ug/l	98
76) 1,2,3-Trichloropropane	12.970	75	204651m	61.226	ug/l	
77) Bromobenzene	12.959	156	160732	57.482	ug/l	95
78) n-propylbenzene	13.012	91	722071	54.955	ug/l	100
79) 2-Chlorotoluene	13.106	91	434278	54.282	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	505050	55.560	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	80077	66.525	ug/l	96
82) 4-Chlorotoluene	13.200	91	453233	56.222	ug/l	99
83) tert-Butylbenzene	13.417	119	422616	54.927	ug/l	96
84) 1,2,4-Trimethylbenzene	13.459	105	522828	56.074	ug/l	99
85) sec-Butylbenzene	13.594	105	609781	54.055	ug/l	98
86) p-Isopropyltoluene	13.706	119	525515	55.003	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	301939	55.335	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	303738	54.165	ug/l	98
89) n-Butylbenzene	14.035	91	487763	54.021	ug/l	100
90) Hexachloroethane	14.306	117	107836	54.033	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	298866	56.823	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.694	75	55518	63.101	ug/l	95
93) 1,2,4-Trichlorobenzene	15.364	180	167830	54.044	ug/l	98
94) Hexachlorobutadiene	15.476	225	62096	54.327	ug/l	98
95) Naphthalene	15.611	128	619842	62.180	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	170108	56.345	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087946.D
Acq On : 24 Sep 2025 15:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 25 03:11:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

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

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

