

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
 Data File : VN087931.D
 Acq On : 23 Sep 2025 15:08
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092325

Quant Time: Sep 24 05:21:09 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 09/24/2025
 Supervised By : Mahesh Dadoda 09/26/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	277018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	496020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	466772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	243738	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	203626	43.678	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.360%		
35) Dibromofluoromethane	8.153	113	156190	43.369	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.740%		
50) Toluene-d8	10.547	98	567044	44.774	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.540%		
62) 4-Bromofluorobenzene	12.829	95	200630	44.319	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	88.640%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	161997	50.496	ug/l	96
3) Chloromethane	2.383	50	160833	48.962	ug/l	100
4) Vinyl Chloride	2.536	62	165059	49.253	ug/l	97
5) Bromomethane	2.971	94	113238	54.504	ug/l	97
6) Chloroethane	3.136	64	108186	49.650	ug/l	100
7) Trichlorofluoromethane	3.506	101	265455	48.650	ug/l	98
8) Diethyl Ether	3.959	74	101038	49.015	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	137085	47.535	ug/l	96
10) Methyl Iodide	4.577	142	150647	58.041	ug/l	98
11) Tert butyl alcohol	5.524	59	181682	270.566	ug/l	100
12) 1,1-Dichloroethene	4.336	96	147146	50.568	ug/l	99
13) Acrolein	4.177	56	213590	247.902	ug/l	98
14) Allyl chloride	5.012	41	238489	50.343	ug/l	96
15) Acrylonitrile	5.712	53	527698	250.533	ug/l	99
16) Acetone	4.418	43	476656	248.497	ug/l	93
17) Carbon Disulfide	4.701	76	441131	48.521	ug/l	99
18) Methyl Acetate	5.018	43	252027	52.501	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	593372	52.201	ug/l	98
20) Methylene Chloride	5.271	84	185323	47.732	ug/l	94
21) trans-1,2-Dichloroethene	5.777	96	176202	49.395	ug/l	88
22) Diisopropyl ether	6.659	45	572737	51.790	ug/l	96
23) Vinyl Acetate	6.589	43	2420654m	259.965	ug/l	
24) 1,1-Dichloroethane	6.553	63	319051	49.382	ug/l	98
25) 2-Butanone	7.471	43	765845	261.219	ug/l	99
26) 2,2-Dichloropropane	7.471	77	288518	50.261	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	212644	50.099	ug/l	98
28) Bromochloromethane	7.794	49	158210	45.070	ug/l	100
29) Tetrahydrofuran	7.824	42	481488	256.481	ug/l	99
30) Chloroform	7.947	83	347740	49.224	ug/l	94
31) Cyclohexane	8.236	56	249322	47.692	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	298473	50.001	ug/l	99
36) 1,1-Dichloropropene	8.353	75	223572	51.628	ug/l	98
37) Ethyl Acetate	7.547	43	281650	49.529	ug/l	98
38) Carbon Tetrachloride	8.341	117	254169	51.149	ug/l	96
39) Methylcyclohexane	9.577	83	254097	53.190	ug/l	98
40) Benzene	8.589	78	733552	51.160	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
 Data File : VN087931.D
 Acq On : 23 Sep 2025 15:08
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092325

Quant Time: Sep 24 05:21:09 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 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	151881	51.681	ug/l	98
42) 1,2-Dichloroethane	8.653	62	266146	49.739	ug/l	100
43) Isopropyl Acetate	8.671	43	465007	51.950	ug/l	99
44) Trichloroethene	9.330	130	174047	50.817	ug/l	90
45) 1,2-Dichloropropane	9.600	63	181803	50.566	ug/l	98
46) Dibromomethane	9.688	93	144476	50.925	ug/l	98
47) Bromodichloromethane	9.871	83	282997	50.858	ug/l #	96
48) Methyl methacrylate	9.659	41	220518	53.199	ug/l	95
49) 1,4-Dioxane	9.683	88	71480	1167.270	ug/l #	84
51) 4-Methyl-2-Pentanone	10.424	43	1464843	262.261	ug/l	100
52) Toluene	10.606	92	456380	50.722	ug/l	98
53) t-1,3-Dichloropropene	10.812	75	297827	52.296	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	303245	51.268	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	184666	50.476	ug/l	96
56) Ethyl methacrylate	10.853	69	287401	54.367	ug/l	99
57) 1,3-Dichloropropane	11.141	76	314225	52.219	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	735137	295.766	ug/l	98
59) 2-Hexanone	11.177	43	1027998	278.348	ug/l	98
60) Dibromochloromethane	11.335	129	224473	52.185	ug/l	98
61) 1,2-Dibromoethane	11.447	107	199841	51.598	ug/l	97
64) Tetrachloroethene	11.082	164	145781	51.272	ug/l	96
65) Chlorobenzene	11.871	112	518200	52.168	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.941	131	188263	52.557	ug/l	98
67) Ethyl Benzene	11.941	91	881499	53.183	ug/l	97
68) m/p-Xylenes	12.047	106	687129	108.396	ug/l	100
69) o-Xylene	12.377	106	330957	54.342	ug/l	100
70) Styrene	12.388	104	579999	55.451	ug/l	98
71) Bromoform	12.559	173	155551	53.524	ug/l #	97
73) Isopropylbenzene	12.671	105	848011	56.136	ug/l	99
74) N-amyl acetate	12.500	43	276693m	55.590	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	277645	51.011	ug/l	99
76) 1,2,3-Trichloropropane	12.971	75	261896m	54.509	ug/l	
77) Bromobenzene	12.959	156	215215	53.546	ug/l	99
78) n-propylbenzene	13.012	91	1041885	55.165	ug/l	99
79) 2-Chlorotoluene	13.100	91	622023	54.089	ug/l	99
80) 1,3,5-Trimethylbenzene	13.147	105	739196	56.572	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	97122	56.132	ug/l	95
82) 4-Chlorotoluene	13.200	91	643471	55.531	ug/l	99
83) tert-Butylbenzene	13.418	119	620261	56.083	ug/l	96
84) 1,2,4-Trimethylbenzene	13.459	105	750139	55.971	ug/l	99
85) sec-Butylbenzene	13.594	105	900122	55.512	ug/l	97
86) p-Isopropyltoluene	13.706	119	774380	56.387	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	414732	52.877	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	430578	53.418	ug/l	97
89) n-Butylbenzene	14.035	91	718201	55.337	ug/l	99
90) Hexachloroethane	14.312	117	148145	51.641	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	408389	54.018	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	64838	51.268	ug/l	96
93) 1,2,4-Trichlorobenzene	15.365	180	243365	54.519	ug/l	98
94) Hexachlorobutadiene	15.476	225	87738	53.402	ug/l	100
95) Naphthalene	15.612	128	802609	56.013	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	236254	54.441	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087931.D
Acq On : 23 Sep 2025 15:08
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092325

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 05:21:09 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

