

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
 Data File : VN087454.D
 Acq On : 05 Aug 2025 14:19
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Quant Time: Aug 06 01:28:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 01:24:35 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/06/2025
 Supervised By : Mahesh Dadoda 08/06/2025

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

Internal Standards						
1) Bromochloromethane	7.800	128	76249	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	418905	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	385657	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	211654	30.095	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.333%			
60) 4-Bromofluorobenzene	12.829	95	201264	30.325	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.067%			
63) Toluene-d8	10.547	98	534559	30.124	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	234078	47.020	ug/l	97
3) Chloromethane	2.383	50	229410	44.915	ug/l	98
4) Vinyl Chloride	2.542	62	242082	44.687	ug/l	93
5) Bromomethane	2.977	94	136035	46.393	ug/l	84
6) Chloroethane	3.136	64	153939	44.067	ug/l	98
7) Trichlorofluoromethane	3.506	101	344998	44.251	ug/l	96
8) Diethyl Ether	3.959	74	147110	45.292	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	176341	44.354	ug/l	88
10) 1,1-Dichloroethene	4.336	96	182951	43.809	ug/l	94
11) Methyl Iodide	4.577	142	154678	47.274	ug/l	99
12) Methyl Acetate	5.012	43	351071	45.556	ug/l	98
13) Acrolein	4.177	56	262498	223.074	ug/l	96
14) Acrylonitrile	5.706	53	757874	225.213	ug/l	100
15) Acetone	4.424	58	212947	221.472	ug/l	95
16) Carbon Disulfide	4.700	76	576164	44.477	ug/l	98
17) Allyl chloride	5.012	41	392451	46.106	ug/l	97
18) Methylene Chloride	5.265	84	239778	44.610	ug/l	97
19) trans-1,2-Dichloroethene	5.771	96	219724	44.245	ug/l	98
20) Diisopropyl ether	6.659	45	877578	45.278	ug/l	96
21) 1,1-Dichloroethane	6.553	63	453264	45.221	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	273116	44.697	ug/l	99
23) tert-Butyl Alcohol	5.518	59	323387	226.154	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	859723	45.179	ug/l	99
25) Chloroform	7.947	83	475045	45.405	ug/l	98
26) Cyclohexane	8.241	56	361178	45.006	ug/l #	97
29) 1,1-Dichloropropene	8.353	75	310679	45.472	ug/l	97
30) 2-Butanone	7.471	43	1165660	231.454	ug/l	99
31) 2,2-Dichloropropane	7.471	77	402451	45.671	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	398348	45.714	ug/l	97
33) Carbon Tetrachloride	8.347	117	330997	45.723	ug/l	98
34) Benzene	8.588	78	984335	45.639	ug/l	99
35) Methacrylonitrile	7.765	41	260104	47.860	ug/l	99
36) 1,2-Dichloroethane	8.653	62	393795	45.169	ug/l	98
37) Trichloroethene	9.335	130	217082	45.693	ug/l	95
38) Methylcyclohexane	9.582	83	357253	45.072	ug/l	99
39) 1,2-Dichloropropane	9.600	63	249627	45.142	ug/l	97
40) Dibromomethane	9.688	93	187857	45.278	ug/l	97
41) Bromodichloromethane	9.871	83	391953	45.463	ug/l	98
42) Vinyl Acetate	6.589	43	3796699	228.920	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
 Data File : VN087454.D
 Acq On : 05 Aug 2025 14:19
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Quant Time: Aug 06 01:28:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 01:24:35 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/06/2025
 Supervised By : Mahesh Dadoda 08/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	436753	45.558	ug/l	96
44) Isopropyl Acetate	8.677	43	755567	45.813	ug/l	99
45) 1,4-Dioxane	9.682	88	98035	932.433	ug/l	97
46) Methyl methacrylate	9.665	41	351323	45.128	ug/l	98
47) n-amyl Acetate	12.494	43	399157m	48.133	ug/l	
48) t-1,3-Dichloropropene	10.818	75	431587	46.014	ug/l	98
49) cis-1,3-Dichloropropene	10.294	75	439121	46.521	ug/l	96
50) 1,1,2-Trichloroethane	10.994	97	240010	45.786	ug/l	98
51) Ethyl methacrylate	10.853	69	435415	47.164	ug/l	97
52) 1,3-Dichloropropane	11.141	76	433869	45.941	ug/l	98
53) Dibromochloromethane	11.335	129	280542	46.341	ug/l	100
54) 1,2-Dibromoethane	11.447	107	254243	45.688	ug/l	98
55) 2-Chloroethyl vinyl ether	10.141	63	1118997	230.244	ug/l	100
56) Bromoform	12.559	173	186820	46.656	ug/l #	99
58) 4-Methyl-2-Pentanone	10.424	43	2290380	230.864	ug/l	99
59) 2-Hexanone	11.177	43	1620747	240.439	ug/l	100
61) Tetrachloroethene	11.082	164	173500	46.177	ug/l	93
62) Toluene	10.612	91	1085878	45.620	ug/l	99
64) Chlorobenzene	11.871	112	662306	45.283	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.935	131	233942	45.493	ug/l	98
66) Ethyl Benzene	11.941	91	1215937	45.832	ug/l	98
67) m/p-Xylenes	12.047	106	902756	92.702	ug/l	97
68) o-Xylene	12.376	106	437515	45.667	ug/l	99
69) Styrene	12.388	104	759493	46.428	ug/l	99
70) Isopropylbenzene	12.676	105	1111500	45.666	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.918	83	379527	45.508	ug/l	99
72) 1,2,3-Trichloropropane	12.970	75	374092m	43.638	ug/l	
73) Bromobenzene	12.959	156	255773	45.330	ug/l	99
74) n-propylbenzene	13.012	91	1391658	45.781	ug/l	99
75) 2-Chlorotoluene	13.106	91	853763	45.659	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	961117	46.118	ug/l	100
77) t-1,4-Dichloro-2-butene	12.718	75	141496	48.111	ug/l	93
78) 4-Chlorotoluene	13.200	91	875292	46.192	ug/l	99
79) tert-butylbenzene	13.418	119	813723	46.311	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	971243	46.640	ug/l	100
81) sec-Butylbenzene	13.594	105	1188558	46.465	ug/l	100
82) p-Isopropyltoluene	13.706	119	982310	46.251	ug/l	100
83) 1,3-Dichlorobenzene	13.712	146	499720	46.509	ug/l	100
84) 1,4-Dichlorobenzene	13.788	146	507658	46.603	ug/l	99
85) n-Butylbenzene	14.035	91	972192	46.785	ug/l	99
86) Hexachloroethane	14.312	117	192686	46.458	ug/l	97
87) 1,2-Dichlorobenzene	14.082	146	482093	47.005	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	95570	45.236	ug/l	95
89) 1,2,4-Trichlorobenzene	15.811	180	279770	45.643	ug/l	99
90) Hexachlorobutadiene	15.476	225	106360	44.624	ug/l	97
91) Naphthalene	15.611	128	1076915	46.078	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	279770	45.643	ug/l	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087454.D
Acq On : 05 Aug 2025 14:19
Operator : JC\MD
Sample : VSTDIC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Manual Integrations
APPROVED

Reviewed By : John Carlone 08/06/2025
Supervised By : Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 01:28:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

