

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088100.D
 Acq On : 24 Oct 2025 17:22
 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 10/27/2025
 Supervised By : Semsettin Yesilyurt 10/27/2025

Quant Time: Oct 25 01:08:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	321371	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	582591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	510991	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	266977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	293699	52.850	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.700%			
35) Dibromofluoromethane	8.153	113	202493	51.737	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.480%			
50) Toluene-d8	10.547	98	753167	49.942	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.880%			
62) 4-Bromofluorobenzene	12.829	95	287091	53.904	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	199399	55.006	ug/l	97
3) Chloromethane	2.383	50	218574	51.252	ug/l	99
4) Vinyl Chloride	2.536	62	246752	53.102	ug/l	99
5) Bromomethane	2.977	94	130075	46.800	ug/l	98
6) Chloroethane	3.136	64	159146	47.536	ug/l	97
7) Trichlorofluoromethane	3.512	101	363654	49.067	ug/l	96
8) Diethyl Ether	3.959	74	137326	49.855	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	198398	51.877	ug/l	99
10) Methyl Iodide	4.583	142	194454	51.428	ug/l	96
11) Tert butyl alcohol	5.518	59	241222	251.960	ug/l	99
12) 1,1-Dichloroethene	4.342	96	193330	47.862	ug/l	97
13) Acrolein	4.177	56	291343	270.542	ug/l	100
14) Allyl chloride	5.012	41	370835	52.378	ug/l	98
15) Acrylonitrile	5.706	53	683342	262.032	ug/l	99
16) Acetone	4.424	43	640785	229.520	ug/l	99
17) Carbon Disulfide	4.706	76	623090	50.745	ug/l	99
18) Methyl Acetate	5.018	43	303399	53.082	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	786886	53.046	ug/l	100
20) Methylene Chloride	5.271	84	234274	53.853	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	222868	50.267	ug/l	98
22) Diisopropyl ether	6.659	45	810416	54.429	ug/l	98
23) Vinyl Acetate	6.588	43	3733992	278.403	ug/l	98
24) 1,1-Dichloroethane	6.553	63	447869	54.301	ug/l	99
25) 2-Butanone	7.465	43	950264	258.277	ug/l	99
26) 2,2-Dichloropropane	7.477	77	390810	52.141	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	264669	51.853	ug/l	94
28) Bromochloromethane	7.800	49	187001	47.984	ug/l	98
29) Tetrahydrofuran	7.824	42	615736	256.795	ug/l	99
30) Chloroform	7.947	83	444475	53.943	ug/l	96
31) Cyclohexane	8.241	56	403415	51.860	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	390633	53.229	ug/l	98
36) 1,1-Dichloropropene	8.353	75	322191	56.379	ug/l	99
37) Ethyl Acetate	7.547	43	394765	53.529	ug/l	98
38) Carbon Tetrachloride	8.341	117	334174	56.617	ug/l	96
39) Methylcyclohexane	9.577	83	394682	53.731	ug/l	98
40) Benzene	8.588	78	944035	54.243	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088100.D
 Acq On : 24 Oct 2025 17:22
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 25 01:08:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/27/2025
 Supervised By :Semsettin Yesilyurt 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	205334	52.902	ug/l	98
42) 1,2-Dichloroethane	8.653	62	359956	58.209	ug/l	99
43) Isopropyl Acetate	8.671	43	628892	55.496	ug/l	98
44) Trichloroethene	9.329	130	216244	53.158	ug/l	97
45) 1,2-Dichloropropane	9.600	63	243092	55.326	ug/l	100
46) Dibromomethane	9.688	93	177404	56.612	ug/l	98
47) Bromodichloromethane	9.865	83	354265	56.466	ug/l	95
48) Methyl methacrylate	9.665	41	297485	56.860	ug/l	99
49) 1,4-Dioxane	9.682	88	69698	1071.116	ug/l #	95
51) 4-Methyl-2-Pentanone	10.424	43	1904832	284.136	ug/l	100
52) Toluene	10.606	92	581829	54.223	ug/l	97
53) t-1,3-Dichloropropene	10.812	75	377359	56.512	ug/l	97
54) cis-1,3-Dichloropropene	10.294	75	398736	56.273	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	217317	53.382	ug/l	96
56) Ethyl methacrylate	10.853	69	378847	58.806	ug/l	98
57) 1,3-Dichloropropane	11.141	76	396541	55.418	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	963769	287.606	ug/l	99
59) 2-Hexanone	11.176	43	1304383	293.302	ug/l	98
60) Dibromochloromethane	11.335	129	253351	54.754	ug/l	100
61) 1,2-Dibromoethane	11.447	107	221784	52.936	ug/l	98
64) Tetrachloroethene	11.082	164	180625	53.589	ug/l	95
65) Chlorobenzene	11.871	112	622761	53.672	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.935	131	211654	55.678	ug/l	100
67) Ethyl Benzene	11.941	91	1133255	55.642	ug/l	99
68) m/p-Xylenes	12.047	106	859420	112.620	ug/l	99
69) o-Xylene	12.376	106	406719	56.223	ug/l	100
70) Styrene	12.388	104	692060	58.667	ug/l	98
71) Bromoform	12.559	173	162279	57.204	ug/l #	97
73) Isopropylbenzene	12.670	105	1090191	52.944	ug/l	99
74) N-amyl acetate	12.500	43	304256m	52.051	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	331666	51.736	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	316618m	51.871	ug/l	
77) Bromobenzene	12.959	156	237937	53.586	ug/l	97
78) n-propylbenzene	13.012	91	1338102	53.250	ug/l	99
79) 2-Chlorotoluene	13.100	91	787534	54.956	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	926126	54.156	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	106037	48.460	ug/l	90
82) 4-Chlorotoluene	13.200	91	813984	52.502	ug/l	100
83) tert-Butylbenzene	13.412	119	802780	52.550	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	936651	54.743	ug/l	99
85) sec-Butylbenzene	13.594	105	1181031	52.621	ug/l	100
86) p-Isopropyltoluene	13.706	119	987085	54.823	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	469111	52.923	ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	480199	50.439	ug/l	99
89) n-Butylbenzene	14.029	91	958979	53.770	ug/l	99
90) Hexachloroethane	14.306	117	180798	51.854	ug/l	95
91) 1,2-Dichlorobenzene	14.082	146	445425	52.130	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	77550	51.973	ug/l	95
93) 1,2,4-Trichlorobenzene	15.364	180	273595	52.871	ug/l	97
94) Hexachlorobutadiene	15.470	225	102462	53.171	ug/l	98
95) Naphthalene	15.611	128	908737	51.262	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	255435	51.481	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
Data File : VN088100.D
Acq On : 24 Oct 2025 17:22
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 10/27/2025
Supervised By :Semsettin Yesilyurt 10/27/2025

Quant Time: Oct 25 01:08:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

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

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

