

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100125\
 Data File : VN088011.D
 Acq On : 01 Oct 2025 15:36
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
 Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 08:01:33 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)

Internal Standards						
1) Pentafluorobenzene	8.206	168	192341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	365611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	330755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	171898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	184621	57.035	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.080%			
35) Dibromofluoromethane	8.147	113	138278	52.091	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.180%			
50) Toluene-d8	10.547	98	430850	46.154	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.300%			
62) 4-Bromofluorobenzene	12.829	95	147568	44.225	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.460%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	96152	43.166	ug/l	94
3) Chloromethane	2.383	50	120661	52.904	ug/l	98
4) Vinyl Chloride	2.536	62	116448	50.045	ug/l	98
5) Bromomethane	2.965	94	83568	57.932	ug/l	92
6) Chloroethane	3.130	64	88100	58.231	ug/l	97
7) Trichlorofluoromethane	3.506	101	181710	47.963	ug/l	96
8) Diethyl Ether	3.959	74	89429	62.483	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	99216	49.550	ug/l	99
10) Methyl Iodide	4.583	142	105877	58.751	ug/l	98
11) Tert butyl alcohol	5.518	59	147154	315.623	ug/l	99
12) 1,1-Dichloroethene	4.330	96	105020	51.980	ug/l	98
13) Acrolein	4.171	56	173100	289.356	ug/l	95
14) Allyl chloride	5.012	41	178909	54.393	ug/l	98
15) Acrylonitrile	5.706	53	461722	315.716	ug/l	99
16) Acetone	4.418	43	374783	281.406	ug/l	94
17) Carbon Disulfide	4.700	76	293909	46.560	ug/l	98
18) Methyl Acetate	5.012	43	245735	73.727	ug/l	98
19) Methyl tert-butyl Ether	5.783	73	509322	64.533	ug/l	99
20) Methylene Chloride	5.271	84	154273	57.228	ug/l	95
21) trans-1,2-Dichloroethene	5.771	96	128810	52.006	ug/l	95
22) Diisopropyl ether	6.653	45	493611	64.285	ug/l	99
23) Vinyl Acetate	6.588	43	2260311	349.612	ug/l	99
24) 1,1-Dichloroethane	6.553	63	260142	57.990	ug/l	96
25) 2-Butanone	7.465	43	633298	311.106	ug/l	100
26) 2,2-Dichloropropane	7.477	77	189269	47.487	ug/l	100
27) cis-1,2-Dichloroethene	7.465	96	165615	56.197	ug/l	99
28) Bromochloromethane	7.794	49	125096	51.325	ug/l	96
29) Tetrahydrofuran	7.824	42	416002	319.155	ug/l	100
30) Chloroform	7.947	83	286834	58.477	ug/l	100
31) Cyclohexane	8.235	56	163363	45.006	ug/l	96
32) 1,1,1-Trichloroethane	8.147	97	219871	53.050	ug/l	98
36) 1,1-Dichloropropene	8.353	75	154478	48.396	ug/l	100
37) Ethyl Acetate	7.541	43	252812	60.315	ug/l	99
38) Carbon Tetrachloride	8.341	117	176833	48.279	ug/l	97
39) Methylcyclohexane	9.582	83	160230	45.504	ug/l	93
40) Benzene	8.582	78	562590	53.232	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	134570	62.124	ug/l	98
42) 1,2-Dichloroethane	8.647	62	230459	58.432	ug/l	100
43) Isopropyl Acetate	8.671	43	406155	61.560	ug/l	99
44) Trichloroethene	9.329	130	121081	47.963	ug/l	99
45) 1,2-Dichloropropane	9.600	63	148994	56.222	ug/l	98
46) Dibromomethane	9.688	93	120412	57.582	ug/l	97
47) Bromodichloromethane	9.865	83	234871	57.264	ug/l	97
48) Methyl methacrylate	9.659	41	187779	61.459	ug/l	97
49) 1,4-Dioxane	9.682	88	61225	1356.424	ug/l #	83
51) 4-Methyl-2-Pentanone	10.424	43	1306408	317.323	ug/l	99
52) Toluene	10.606	92	327831	49.431	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	233774	55.691	ug/l	97
54) cis-1,3-Dichloropropene	10.288	75	239331	54.895	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	161527	59.899	ug/l	97
56) Ethyl methacrylate	10.853	69	244864	62.842	ug/l	96
57) 1,3-Dichloropropane	11.141	76	262502	59.184	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	723684	395.011	ug/l	98
59) 2-Hexanone	11.176	43	879618	323.124	ug/l	98
60) Dibromochloromethane	11.335	129	182854	57.672	ug/l	98
61) 1,2-Dibromoethane	11.447	107	164245	57.534	ug/l	97
64) Tetrachloroethene	11.082	164	96272	47.783	ug/l	94
65) Chlorobenzene	11.870	112	365288	51.897	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.941	131	144521	56.937	ug/l	97
67) Ethyl Benzene	11.941	91	596747	50.809	ug/l	100
68) m/p-Xylenes	12.047	106	461130	102.659	ug/l	98
69) o-Xylene	12.376	106	221702	51.373	ug/l	97
70) Styrene	12.388	104	396495	53.495	ug/l	100
71) Bromoform	12.559	173	126307	61.334	ug/l #	99
73) Isopropylbenzene	12.676	105	567154	53.235	ug/l	100
74) N-amyl acetate	12.500	43	117084	33.354	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.917	83	251032	65.397	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	221236m	65.291	ug/l	
77) Bromobenzene	12.959	156	151495	53.444	ug/l	95
78) n-propylbenzene	13.012	91	692041	51.955	ug/l	99
79) 2-Chlorotoluene	13.106	91	415968	51.288	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	482832	52.395	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	76049	62.322	ug/l	98
82) 4-Chlorotoluene	13.200	91	428406	52.422	ug/l	99
83) tert-Butylbenzene	13.417	119	410574	52.638	ug/l	94
84) 1,2,4-Trimethylbenzene	13.459	105	497993	52.686	ug/l	100
85) sec-Butylbenzene	13.594	105	602515	52.687	ug/l	99
86) p-Isopropyltoluene	13.706	119	509219	52.575	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	286596	51.811	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	278829	49.049	ug/l	98
89) n-Butylbenzene	14.035	91	478156	52.238	ug/l	98
90) Hexachloroethane	14.306	117	100030	49.442	ug/l	97
91) 1,2-Dichlorobenzene	14.082	146	275993	51.762	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	52759	59.152	ug/l	98
93) 1,2,4-Trichlorobenzene	15.370	180	161210	51.208	ug/l	96
94) Hexachlorobutadiene	15.476	225	56463	48.729	ug/l	99
95) Naphthalene	15.617	128	583007	57.692	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	158934	51.930	ug/l	98

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

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