

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
 Data File : VN088028.D
 Acq On : 03 Oct 2025 16:58
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
 Supervised By :Semsettin Yesilyurt 10/06/2025

Quant Time: Oct 04 03:00:57 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	345810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	636052	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	589413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	308581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	280352	48.173	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.340%		
35) Dibromofluoromethane	8.147	113	224258	48.561	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.120%		
50) Toluene-d8	10.547	98	822717	50.660	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.320%		
62) 4-Bromofluorobenzene	12.829	95	353271	60.857	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	121.720%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	152180	38.000	ug/l	96
3) Chloromethane	2.383	50	141280	34.454	ug/l	93
4) Vinyl Chloride	2.536	62	157142	37.563	ug/l	97
5) Bromomethane	2.965	94	83190	32.076	ug/l	94
6) Chloroethane	3.130	64	110071	40.466	ug/l	95
7) Trichlorofluoromethane	3.512	101	264342	38.809	ug/l	100
8) Diethyl Ether	3.959	74	96616	37.546	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	149377	41.493	ug/l	99
10) Methyl Iodide	4.583	142	126028	38.897	ug/l	95
11) Tert butyl alcohol	5.530	59	182151	217.302	ug/l	97
12) 1,1-Dichloroethene	4.336	96	139395	38.375	ug/l #	93
14) Allyl chloride	5.006	41	228144	38.579	ug/l	99
15) Acrylonitrile	5.706	53	502233	191.010	ug/l	100
16) Acetone	4.430	43	399739	166.941	ug/l	99
17) Carbon Disulfide	4.706	76	384712	33.897	ug/l	100
18) Methyl Acetate	5.018	43	264832	44.194	ug/l	98
19) Methyl tert-butyl Ether	5.783	73	565961	39.885	ug/l	97
20) Methylene Chloride	5.265	84	170317	35.141	ug/l	93
21) trans-1,2-Dichloroethene	5.771	96	166513	37.393	ug/l	88
22) Diisopropyl ether	6.659	45	554910	40.196	ug/l	97
23) Vinyl Acetate	6.588	43	2431769	209.206	ug/l	99
24) 1,1-Dichloroethane	6.553	63	305879	37.925	ug/l	99
25) 2-Butanone	7.471	43	710959	194.258	ug/l	97
26) 2,2-Dichloropropane	7.471	77	246214	34.359	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	200090	37.764	ug/l	99
28) Bromochloromethane	7.800	49	145865	33.287	ug/l	98
29) Tetrahydrofuran	7.824	42	444245	189.567	ug/l	98
30) Chloroform	7.947	83	340660	38.629	ug/l	100
31) Cyclohexane	8.241	56	268709	41.175	ug/l	95
32) 1,1,1-Trichloroethane	8.153	97	292524	39.256	ug/l	99
36) 1,1-Dichloropropene	8.353	75	218218	39.297	ug/l	97
37) Ethyl Acetate	7.547	43	268896	36.876	ug/l	99
38) Carbon Tetrachloride	8.341	117	250215	39.268	ug/l	98
39) Methylcyclohexane	9.582	83	262260	42.812	ug/l	96
40) Benzene	8.588	78	714301	38.850	ug/l	99
41) Methacrylonitrile	7.759	41	152177	40.382	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.653	62	254844	37.142	ug/l	99
43) Isopropyl Acetate	8.671	43	451209	39.311	ug/l	99
44) Trichloroethene	9.335	130	165147	37.603	ug/l	93
45) 1,2-Dichloropropane	9.600	63	173813	37.700	ug/l	97
46) Dibromomethane	9.688	93	136646	37.561	ug/l	96
47) Bromodichloromethane	9.865	83	270783	37.949	ug/l	96
48) Methyl methacrylate	9.665	41	208237	39.176	ug/l	98
49) 1,4-Dioxane	9.682	88	63224	805.147	ug/l #	79
51) 4-Methyl-2-Pentanone	10.423	43	1428742	199.482	ug/l	100
52) Toluene	10.606	92	442727	38.372	ug/l	95
53) t-1,3-Dichloropropene	10.818	75	276823	37.907	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	288021	37.974	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	176865	37.700	ug/l	99
56) Ethyl methacrylate	10.859	69	280564	41.389	ug/l	97
57) 1,3-Dichloropropane	11.141	76	301232	39.039	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	827250	259.551	ug/l	99
59) 2-Hexanone	11.176	43	965551	203.881	ug/l	99
60) Dibromochloromethane	11.341	129	206334	37.407	ug/l	99
61) 1,2-Dibromoethane	11.447	107	187604	37.774	ug/l	99
64) Tetrachloroethene	11.082	164	142095	39.577	ug/l	97
65) Chlorobenzene	11.870	112	499320	39.808	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.935	131	175863	38.880	ug/l	98
67) Ethyl Benzene	11.941	91	872263	41.676	ug/l	98
68) m/p-Xylenes	12.047	106	660178	82.475	ug/l	98
69) o-Xylene	12.376	106	321829	41.848	ug/l	98
70) Styrene	12.388	104	547271	41.435	ug/l	98
71) Bromoform	12.559	173	142377	38.797	ug/l #	98
73) Isopropylbenzene	12.670	105	845092	44.188	ug/l	99
74) N-amyl acetate	12.506	43	211877m	33.623	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	276567	40.136	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	255462m	41.997	ug/l	
77) Bromobenzene	12.959	156	200914	39.483	ug/l	98
78) n-propylbenzene	13.012	91	1039079	43.455	ug/l	100
79) 2-Chlorotoluene	13.106	91	602332	41.371	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	710553	42.953	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.717	75	83177	37.971	ug/l	97
82) 4-Chlorotoluene	13.200	91	616498	42.023	ug/l	99
83) tert-Butylbenzene	13.417	119	628620	44.895	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	721879	42.544	ug/l	99
85) sec-Butylbenzene	13.594	105	916520	44.646	ug/l	98
86) p-Isopropyltoluene	13.706	119	759996	43.711	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	396917	39.972	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	404533	39.641	ug/l	98
89) n-Butylbenzene	14.035	91	729688	44.408	ug/l	100
90) Hexachloroethane	14.311	117	146734	40.401	ug/l	97
91) 1,2-Dichlorobenzene	14.082	146	383946	40.113	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.694	75	61211	38.230	ug/l	99
93) 1,2,4-Trichlorobenzene	15.364	180	224865	39.790	ug/l	99
94) Hexachlorobutadiene	15.476	225	81465	39.165	ug/l	98
95) Naphthalene	15.611	128	769548	42.421	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	221826	40.375	ug/l	99

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

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