

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088081.D
 Acq On : 23 Oct 2025 11:20
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:42:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 02:37:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	338069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	628399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	559795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	281739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	270271	46.232	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.460%		
35) Dibromofluoromethane	8.147	113	198004	46.902	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.800%		
50) Toluene-d8	10.547	98	768846	47.265	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.540%		
62) 4-Bromofluorobenzene	12.829	95	275556	47.966	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.940%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	154728	40.575	ug/l	97
3) Chloromethane	2.383	50	175497	39.118	ug/l	100
4) Vinyl Chloride	2.542	62	196434	40.185	ug/l	98
5) Bromomethane	2.977	94	115396	39.468	ug/l	97
6) Chloroethane	3.142	64	139507	39.611	ug/l	97
7) Trichlorofluoromethane	3.512	101	322932	41.420	ug/l	94
8) Diethyl Ether	3.959	74	108102	37.307	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	160825	39.976	ug/l	97
10) Methyl Iodide	4.583	142	154156	39.794	ug/l	96
11) Tert butyl alcohol	5.524	59	195274	193.892	ug/l	97
12) 1,1-Dichloroethene	4.341	96	156355	36.797	ug/l	93
13) Acrolein	4.177	56	209393	184.839	ug/l	100
14) Allyl chloride	5.012	41	274719	36.996	ug/l	97
15) Acrylonitrile	5.712	53	547451	199.555	ug/l	98
16) Acetone	4.424	43	539588	183.727	ug/l	99
17) Carbon Disulfide	4.706	76	501402	38.818	ug/l	98
18) Methyl Acetate	5.018	43	232583	38.683	ug/l	97
19) Methyl tert-butyl Ether	5.783	73	605018	38.771	ug/l	96
20) Methylene Chloride	5.265	84	182571	40.095	ug/l	96
21) trans-1,2-Dichloroethene	5.771	96	181288	38.584	ug/l	95
22) Diisopropyl ether	6.659	45	636418	40.632	ug/l	97
23) Vinyl Acetate	6.588	43	2935326	208.046	ug/l	99
24) 1,1-Dichloroethane	6.553	63	346792	39.970	ug/l	96
25) 2-Butanone	7.471	43	786350	205.282	ug/l	100
26) 2,2-Dichloropropane	7.471	77	311175	39.466	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	211777	39.442	ug/l	99
28) Bromochloromethane	7.794	49	199116	48.569	ug/l	99
29) Tetrahydrofuran	7.824	42	501146	198.682	ug/l	100
30) Chloroform	7.947	83	351684	40.574	ug/l	97
31) Cyclohexane	8.235	56	326389	39.886	ug/l	91
32) 1,1,1-Trichloroethane	8.153	97	308171	39.919	ug/l	98
36) 1,1-Dichloropropene	8.353	75	254886	41.351	ug/l	98
37) Ethyl Acetate	7.547	43	308710	38.973	ug/l	96
38) Carbon Tetrachloride	8.347	117	262154	41.178	ug/l	93
39) Methylcyclohexane	9.582	83	329045	41.530	ug/l	97
40) Benzene	8.588	78	764344	40.717	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	169994	40.604	ug/l	100
42) 1,2-Dichloroethane	8.653	62	274103	41.094	ug/l	100
43) Isopropyl Acetate	8.671	43	509309	41.668	ug/l	99
44) Trichloroethene	9.335	130	178438	40.667	ug/l	100
45) 1,2-Dichloropropane	9.600	63	192587	40.637	ug/l	97
46) Dibromomethane	9.688	93	137229	40.600	ug/l	99
47) Bromodichloromethane	9.871	83	275730	40.745	ug/l	97
48) Methyl methacrylate	9.659	41	233909	40.288	ug/l	96
49) 1,4-Dioxane	9.682	88	55303	787.940	ug/l #	97
51) 4-Methyl-2-Pentanone	10.423	43	1524408	210.814	ug/l	99
52) Toluene	10.606	92	474479	40.995	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	300895	41.776	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	314717	41.178	ug/l	95
55) 1,1,2-Trichloroethane	10.994	97	176797	40.263	ug/l	98
56) Ethyl methacrylate	10.853	69	298768	43.059	ug/l	97
57) 1,3-Dichloropropane	11.141	76	317787	41.174	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	769938	213.014	ug/l	100
59) 2-Hexanone	11.176	43	1044741	220.085	ug/l	98
60) Dibromochloromethane	11.335	129	205395	41.154	ug/l	100
61) 1,2-Dibromoethane	11.447	107	181469	40.156	ug/l	97
64) Tetrachloroethene	11.082	164	144389	39.103	ug/l	96
65) Chlorobenzene	11.870	112	526904	41.452	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	173604	41.687	ug/l	99
67) Ethyl Benzene	11.941	91	923328	41.382	ug/l	100
68) m/p-Xylenes	12.047	106	710517	84.991	ug/l	95
69) o-Xylene	12.376	106	337999	42.650	ug/l	97
70) Styrene	12.388	104	565710	43.775	ug/l	99
71) Bromoform	12.559	173	130569	42.013	ug/l #	99
73) Isopropylbenzene	12.676	105	893962	41.140	ug/l	98
74) N-amyl acetate	12.506	43	259151m	51.362	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	269498	39.836	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	261895m	43.425	ug/l	
77) Bromobenzene	12.959	156	193682	41.334	ug/l	98
78) n-propylbenzene	13.012	91	1105898	41.704	ug/l	98
79) 2-Chlorotoluene	13.100	91	632531	41.827	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	751960	41.667	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.717	75	89183	38.524	ug/l #	81
82) 4-Chlorotoluene	13.200	91	660605	40.376	ug/l	97
83) tert-Butylbenzene	13.417	119	664441	41.215	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	760563	42.122	ug/l	99
85) sec-Butylbenzene	13.594	105	983204	41.511	ug/l	100
86) p-Isopropyltoluene	13.706	119	807519	42.500	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	388787	41.563	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	394135	39.127	ug/l	98
89) n-Butylbenzene	14.035	91	796348	42.312	ug/l	99
90) Hexachloroethane	14.306	117	150804	40.985	ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	363732	40.339	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	60256	38.267	ug/l	96
93) 1,2,4-Trichlorobenzene	15.370	180	221034	40.476	ug/l	98
94) Hexachlorobutadiene	15.476	225	82469	40.553	ug/l	99
95) Naphthalene	15.611	128	769709	41.144	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	207445	39.618	ug/l	99

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

