

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
 Data File : VN087201.D
 Acq On : 26 Jun 2025 17:57
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/27/2025
 Supervised By : Mahesh Dadoda 06/27/2025

Quant Time: Jun 27 05:21:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:16:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	179973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	318592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	129085	49.840	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.680%		
35) Dibromofluoromethane	8.171	113	101177	49.122	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.240%		
50) Toluene-d8	10.565	98	415277	48.748	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.500%		
62) 4-Bromofluorobenzene	12.847	95	145372	49.179	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	111266	49.336	ug/l	100
3) Chloromethane	2.395	50	106871	48.531	ug/l	100
4) Vinyl Chloride	2.554	62	115299	48.454	ug/l	100
5) Bromomethane	2.989	94	56536	44.272	ug/l	100
6) Chloroethane	3.153	64	61452	49.422	ug/l	100
7) Trichlorofluoromethane	3.530	101	132745	46.848	ug/l	100
8) Diethyl Ether	3.983	74	69968	55.512	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.406	101	107311	53.673	ug/l	100
10) Methyl Iodide	4.618	142	96285	54.580	ug/l	100
11) Tert butyl alcohol	5.536	59	145226	254.486	ug/l	100
12) 1,1-Dichloroethene	4.365	96	108161	51.232	ug/l	100
13) Acrolein	4.200	56	120791	256.720	ug/l	100
14) Allyl chloride	5.047	41	173347	51.182	ug/l	100
15) Acrylonitrile	5.736	53	392743	263.838	ug/l	100
16) Acetone	4.442	43	321189	266.436	ug/l	100
17) Carbon Disulfide	4.736	76	322866	54.119	ug/l	100
18) Methyl Acetate	5.047	43	158866	50.859	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	375565	51.647	ug/l	100
20) Methylene Chloride	5.295	84	120848	53.655	ug/l	100
21) trans-1,2-Dichloroethene	5.806	96	116633	49.812	ug/l	100
22) Diisopropyl ether	6.683	45	379019	50.413	ug/l	100
23) Vinyl Acetate	6.618	43	1727085	256.885	ug/l	100
24) 1,1-Dichloroethane	6.583	63	221153	49.805	ug/l	100
25) 2-Butanone	7.488	43	526708	268.234	ug/l	100
26) 2,2-Dichloropropane	7.494	77	180527	51.145	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	139711	51.318	ug/l	100
28) Bromochloromethane	7.824	49	105661	54.129	ug/l	100
29) Tetrahydrofuran	7.847	42	346440	269.094	ug/l	100
30) Chloroform	7.971	83	212822	50.812	ug/l	100
31) Cyclohexane	8.265	56	202391	50.475	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	180086	50.046	ug/l	100
36) 1,1-Dichloropropene	8.383	75	158936	52.681	ug/l	100
37) Ethyl Acetate	7.571	43	201899	52.049	ug/l	100
38) Carbon Tetrachloride	8.371	117	153674	52.301	ug/l	100
39) Methylcyclohexane	9.606	83	181318	49.258	ug/l	100
40) Benzene	8.612	78	481570	51.661	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	106998	54.189	ug/l	100
42) 1,2-Dichloroethane	8.677	62	160021	52.804	ug/l	100
43) Isopropyl Acetate	8.694	43	308092	55.547	ug/l	100
44) Trichloroethene	9.353	130	110742	49.618	ug/l	100
45) 1,2-Dichloropropane	9.624	63	118878	49.475	ug/l	100
46) Dibromomethane	9.712	93	80704	49.563	ug/l	100
47) Bromodichloromethane	9.888	83	157006	48.010	ug/l	100
48) Methyl methacrylate	9.682	41	138847	51.778	ug/l	100
49) 1,4-Dioxane	9.700	88	43874	990.650	ug/l #	100
51) 4-Methyl-2-Pentanone	10.447	43	975334	249.359	ug/l	100
52) Toluene	10.629	92	307077	51.528	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	189006	51.833	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	196914	50.753	ug/l	100
55) 1,1,2-Trichloroethane	11.018	97	114712	50.896	ug/l	100
56) Ethyl methacrylate	10.877	69	193411	50.881	ug/l	100
57) 1,3-Dichloropropane	11.165	76	203630	51.138	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	519082	253.209	ug/l	100
59) 2-Hexanone	11.200	43	643004	260.586	ug/l	100
60) Dibromochloromethane	11.359	129	124477	50.783	ug/l	100
61) 1,2-Dibromoethane	11.471	107	122054	51.231	ug/l	100
64) Tetrachloroethene	11.100	164	92941	50.435	ug/l	100
65) Chlorobenzene	11.888	112	334493	50.087	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	107915	50.590	ug/l	100
67) Ethyl Benzene	11.959	91	583775	52.413	ug/l	100
68) m/p-Xylenes	12.071	106	447952	105.112	ug/l	100
69) o-Xylene	12.394	106	214373	55.335	ug/l	100
70) Styrene	12.406	104	368973	55.488	ug/l	100
71) Bromoform	12.576	173	83854	52.969	ug/l #	100
73) Isopropylbenzene	12.694	105	541193	52.275	ug/l	100
74) N-amyl acetate	12.512	43	180830	47.270	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	185309	49.697	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	177665m	49.382	ug/l	
77) Bromobenzene	12.976	156	127049	50.495	ug/l	100
78) n-propylbenzene	13.035	91	663853	52.062	ug/l	100
79) 2-Chlorotoluene	13.123	91	392529	49.451	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	449066	52.543	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	69451	45.683	ug/l	100
82) 4-Chlorotoluene	13.218	91	404012	51.055	ug/l	100
83) tert-Butylbenzene	13.435	119	385722	52.541	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	455006	52.467	ug/l	100
85) sec-Butylbenzene	13.612	105	564464	52.188	ug/l	100
86) p-Isopropyltoluene	13.723	119	467682	52.722	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	249573	49.293	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	256559	49.284	ug/l	100
89) n-Butylbenzene	14.053	91	427156	51.828	ug/l	100
90) Hexachloroethane	14.329	117	85610	49.870	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	238296	49.973	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	43332	50.908	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	136667	51.482	ug/l	100
94) Hexachlorobutadiene	15.494	225	41567	49.636	ug/l	100
95) Naphthalene	15.635	128	530845	52.709	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	133747	51.027	ug/l	100

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

