

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087552.D
 Acq On : 14 Aug 2025 09:34
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/14/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 14 15:23:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	271352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	543098	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	500619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	255173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	247424	53.738	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.480%			
35) Dibromofluoromethane	8.153	113	168221	44.903	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.800%			
50) Toluene-d8	10.547	98	611058	45.726	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.460%			
62) 4-Bromofluorobenzene	12.829	95	235280	47.655	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	160120	55.557	ug/l	96
3) Chloromethane	2.383	50	169400	46.740	ug/l	99
4) Vinyl Chloride	2.542	62	183878	51.052	ug/l	96
5) Bromomethane	2.965	94	102629	55.023	ug/l	98
6) Chloroethane	3.130	64	126750	53.961	ug/l	97
7) Trichlorofluoromethane	3.506	101	267426	50.212	ug/l	97
8) Diethyl Ether	3.965	74	117073	56.667	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	145784	53.322	ug/l	96
10) Methyl Iodide	4.577	142	103333	38.232	ug/l #	89
11) Tert butyl alcohol	5.536	59	241449	276.178	ug/l	100
12) 1,1-Dichloroethene	4.336	96	152389	49.187	ug/l	99
13) Acrolein	4.177	56	160450	228.690	ug/l	99
14) Allyl chloride	5.012	41	286033	51.014	ug/l	90
15) Acrylonitrile	5.712	53	598909	252.452	ug/l	98
16) Acetone	4.424	43	657966	304.782	ug/l	97
17) Carbon Disulfide	4.700	76	405663	44.164	ug/l	98
18) Methyl Acetate	5.018	43	317943	58.620	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	659220	57.727	ug/l	95
20) Methylene Chloride	5.259	84	192849	52.881	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	170971	48.942	ug/l	88
22) Diisopropyl ether	6.659	45	674122	57.318	ug/l	95
23) Vinyl Acetate	6.589	43	3071299	298.585	ug/l	100
24) 1,1-Dichloroethane	6.553	63	347405	51.200	ug/l	98
25) 2-Butanone	7.471	43	892036	267.432	ug/l	97
26) 2,2-Dichloropropane	7.471	77	298522	56.588	ug/l	98
27) cis-1,2-Dichloroethene	7.477	96	212209	52.764	ug/l	95
28) Bromochloromethane	7.794	49	184324	56.761	ug/l	92
29) Tetrahydrofuran	7.824	42	572583	264.243	ug/l	100
30) Chloroform	7.947	83	372180	54.800	ug/l	98
31) Cyclohexane	8.235	56	278777	49.251	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	309142	52.554	ug/l	98
36) 1,1-Dichloropropene	8.353	75	237939	48.073	ug/l	97
37) Ethyl Acetate	7.547	43	340534	47.639	ug/l	98
38) Carbon Tetrachloride	8.347	117	246721	45.251	ug/l	97
39) Methylcyclohexane	9.582	83	254444	47.484	ug/l	96
40) Benzene	8.588	78	762513	47.666	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	178825	47.844	ug/l	96
42) 1,2-Dichloroethane	8.653	62	311061	51.277	ug/l	97
43) Isopropyl Acetate	8.671	43	575331	51.848	ug/l	98
44) Trichloroethene	9.335	130	165523	43.791	ug/l	95
45) 1,2-Dichloropropane	9.606	63	200161	49.245	ug/l	92
46) Dibromomethane	9.694	93	147474	48.459	ug/l	96
47) Bromodichloromethane	9.871	83	298595	48.711	ug/l	100
48) Methyl methacrylate	9.665	41	263753	52.798	ug/l	93
49) 1,4-Dioxane	9.682	88	77554	1013.618	ug/l #	99
51) 4-Methyl-2-Pentanone	10.429	43	1771617	252.428	ug/l	98
52) Toluene	10.612	92	472630	48.609	ug/l	95
53) t-1,3-Dichloropropene	10.818	75	316497	51.017	ug/l	96
54) cis-1,3-Dichloropropene	10.294	75	326996	51.028	ug/l #	86
55) 1,1,2-Trichloroethane	11.000	97	190088	48.289	ug/l	95
56) Ethyl methacrylate	10.859	69	331191	50.043	ug/l #	92
57) 1,3-Dichloropropane	11.147	76	336112	49.384	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	934209	289.306	ug/l	99
59) 2-Hexanone	11.176	43	1221722	262.377	ug/l	98
60) Dibromochloromethane	11.341	129	217527	48.455	ug/l	100
61) 1,2-Dibromoethane	11.453	107	202290	48.875	ug/l	97
64) Tetrachloroethene	11.082	164	130358	40.459	ug/l	93
65) Chlorobenzene	11.871	112	508857	45.275	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.941	131	183045	47.896	ug/l	99
67) Ethyl Benzene	11.947	91	914813	49.442	ug/l	100
68) m/p-Xylenes	12.053	106	683841	98.699	ug/l	95
69) o-Xylene	12.376	106	337782	51.038	ug/l	95
70) Styrene	12.394	104	583897	52.445	ug/l	97
71) Bromoform	12.559	173	143351	46.429	ug/l #	99
73) Isopropylbenzene	12.676	105	854755	53.222	ug/l	98
74) N-amyl acetate	12.500	43	259021	38.819	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.918	83	304854	50.447	ug/l	100
76) 1,2,3-Trichloropropane	12.976	75	257264m	44.960	ug/l	
77) Bromobenzene	12.959	156	203849	48.942	ug/l	93
78) n-propylbenzene	13.012	91	1079956	53.447	ug/l	97
79) 2-Chlorotoluene	13.106	91	652303	52.528	ug/l	95
80) 1,3,5-Trimethylbenzene	13.153	105	735691	53.765	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.718	75	101369	48.472	ug/l	95
82) 4-Chlorotoluene	13.200	91	684119	52.913	ug/l	96
83) tert-Butylbenzene	13.417	119	613860	53.713	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	762982	54.601	ug/l	95
85) sec-Butylbenzene	13.594	105	915066	53.157	ug/l	98
86) p-Isopropyltoluene	13.706	119	762503	55.271	ug/l	97
87) 1,3-Dichlorobenzene	13.712	146	399195	48.835	ug/l	99
88) 1,4-Dichlorobenzene	13.794	146	400669	45.893	ug/l	97
89) n-Butylbenzene	14.035	91	736497	55.909	ug/l	98
90) Hexachloroethane	14.312	117	139358	47.677	ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	381913	49.316	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	70382	44.360	ug/l	99
93) 1,2,4-Trichlorobenzene	15.370	180	226838	49.866	ug/l	98
94) Hexachlorobutadiene	15.476	225	82198	48.630	ug/l	99
95) Naphthalene	15.617	128	838952	52.059	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	220386	48.298	ug/l	97

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

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