

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
 Data File : VN087847.D
 Acq On : 16 Sep 2025 13:55
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 01:19:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	239136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	433645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	409197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	226483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	263710	53.823	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.640%			
35) Dibromofluoromethane	8.147	113	198358	63.355	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 126.700%#			
50) Toluene-d8	10.547	98	693078	59.144	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 118.280%#			
62) 4-Bromofluorobenzene	12.829	95	266909	64.046	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 128.100%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	176013	51.823	ug/l	99
3) Chloromethane	2.383	50	174247	49.922	ug/l	95
4) Vinyl Chloride	2.536	62	196704	48.605	ug/l	99
5) Bromomethane	2.954	94	119010	56.992	ug/l	93
6) Chloroethane	3.130	64	132207	46.480	ug/l	93
7) Trichlorofluoromethane	3.501	101	302201	50.968	ug/l	98
8) Diethyl Ether	3.953	74	121893	47.204	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	166711	49.690	ug/l	97
10) Methyl Iodide	4.577	142	125052	49.892	ug/l	91
11) Tert butyl alcohol	5.530	59	208783	245.456	ug/l	99
12) 1,1-Dichloroethene	4.330	96	163096	47.305	ug/l	94
13) Acrolein	4.177	56	320278	306.284	ug/l	98
14) Allyl chloride	5.012	41	314832	50.391	ug/l	90
15) Acrylonitrile	5.706	53	605404	252.369	ug/l	98
16) Acetone	4.424	43	584245	219.048	ug/l	98
17) Carbon Disulfide	4.695	76	474332	49.974	ug/l	98
18) Methyl Acetate	5.012	43	298186	53.395	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	663246	51.280	ug/l	99
20) Methylene Chloride	5.259	84	201058	52.170	ug/l	98
21) trans-1,2-Dichloroethene	5.771	96	180140	48.209	ug/l	98
22) Diisopropyl ether	6.659	45	664049	49.251	ug/l	98
23) Vinyl Acetate	6.589	43	3041175	247.925	ug/l	98
24) 1,1-Dichloroethane	6.547	63	353124	47.768	ug/l	99
25) 2-Butanone	7.471	43	851474	242.652	ug/l	100
26) 2,2-Dichloropropane	7.471	77	307392	48.448	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	222747	49.864	ug/l	98
28) Bromochloromethane	7.794	49	245962	68.823	ug/l	94
29) Tetrahydrofuran	7.824	42	567261	251.193	ug/l	100
30) Chloroform	7.947	83	380295	50.401	ug/l	98
31) Cyclohexane	8.236	56	294041	47.712	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	312119	48.810	ug/l	97
36) 1,1-Dichloropropene	8.347	75	245212	51.052	ug/l	97
37) Ethyl Acetate	7.541	43	345834	52.691	ug/l	97
38) Carbon Tetrachloride	8.347	117	265088	55.898	ug/l	97
39) Methylcyclohexane	9.583	83	291228	55.073	ug/l	96
40) Benzene	8.588	78	779652	52.922	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	178403	52.473	ug/l	98
42) 1,2-Dichloroethane	8.653	62	299001	52.815	ug/l	99
43) Isopropyl Acetate	8.677	43	547228	53.402	ug/l	98
44) Trichloroethene	9.335	130	184521	54.860	ug/l	94
45) 1,2-Dichloropropane	9.600	63	203980	52.528	ug/l	100
46) Dibromomethane	9.688	93	155428	56.246	ug/l	96
47) Bromodichloromethane	9.871	83	315780	55.758	ug/l	99
48) Methyl methacrylate	9.665	41	258081	53.245	ug/l	96
49) 1,4-Dioxane	9.688	88	73308	1166.875	ug/l #	98
51) 4-Methyl-2-Pentanone	10.424	43	1693751	273.953	ug/l	98
52) Toluene	10.612	92	495572	54.261	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	332853	56.779	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	341604	56.121	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	202706	57.374	ug/l	97
56) Ethyl methacrylate	10.859	69	327855	58.065	ug/l	96
57) 1,3-Dichloropropane	11.141	76	345485	55.253	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	782005	255.885	ug/l	97
59) 2-Hexanone	11.177	43	1154791	295.539	ug/l	98
60) Dibromochloromethane	11.341	129	235020	57.409	ug/l	98
61) 1,2-Dibromoethane	11.447	107	215454	57.833	ug/l	99
64) Tetrachloroethene	11.082	164	152293	53.644	ug/l	95
65) Chlorobenzene	11.871	112	542528	53.293	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.941	131	198995	58.880	ug/l	99
67) Ethyl Benzene	11.941	91	960475	54.491	ug/l	99
68) m/p-Xylenes	12.047	106	731633	113.180	ug/l	95
69) o-Xylene	12.376	106	352248	55.603	ug/l	98
70) Styrene	12.388	104	615294	57.974	ug/l	99
71) Bromoform	12.559	173	165142	63.713	ug/l #	98
73) Isopropylbenzene	12.676	105	909235	49.681	ug/l	99
74) N-amyl acetate	12.506	43	298290m	43.009	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	317356	50.367	ug/l	99
76) 1,2,3-Trichloropropane	12.971	75	256155m	48.230	ug/l	
77) Bromobenzene	12.959	156	228891	53.044	ug/l	93
78) n-propylbenzene	13.012	91	1139368	50.543	ug/l	98
79) 2-Chlorotoluene	13.106	91	672391	49.565	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	792404	51.039	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	107938	53.803	ug/l #	80
82) 4-Chlorotoluene	13.200	91	701460	49.180	ug/l	96
83) tert-Butylbenzene	13.418	119	674001	52.096	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	808453	52.018	ug/l	100
85) sec-Butylbenzene	13.594	105	1007598	52.481	ug/l	98
86) p-Isopropyltoluene	13.706	119	841554	53.083	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	445525	52.429	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	456948	51.672	ug/l	98
89) n-Butylbenzene	14.035	91	834441	52.997	ug/l	99
90) Hexachloroethane	14.312	117	165831	54.904	ug/l	94
91) 1,2-Dichlorobenzene	14.082	146	426983	52.963	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	74222	49.587	ug/l	91
93) 1,2,4-Trichlorobenzene	15.370	180	273253	56.445	ug/l	98
94) Hexachlorobutadiene	15.476	225	103689	60.079	ug/l	100
95) Naphthalene	15.612	128	923574	53.862	ug/l	100
96) 1,2,3-Trichlorobenzene	15.812	180	262091	55.379	ug/l	97

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

