

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
 Data File : VN087387.D
 Acq On : 21 Jul 2025 17:50
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/22/2025
 Supervised By : Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:12:03 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	191517	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	331826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	301376	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	161218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	153387	47.201	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.400%		
35) Dibromofluoromethane	8.153	113	112900	49.324	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.640%		
50) Toluene-d8	10.547	98	417132	51.088	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.180%		
62) 4-Bromofluorobenzene	12.829	95	154491	51.215	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	129396	63.612	ug/l	98
3) Chloromethane	2.383	50	133005	51.996	ug/l	99
4) Vinyl Chloride	2.542	62	141291	55.580	ug/l	99
5) Bromomethane	2.971	94	48744	37.027	ug/l	89
6) Chloroethane	3.136	64	86971	52.460	ug/l	98
7) Trichlorofluoromethane	3.507	101	210692	56.050	ug/l	95
8) Diethyl Ether	3.965	74	73189	50.193	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.359	101	110288	57.155	ug/l	98
10) Methyl Iodide	4.577	142	78857	40.881	ug/l	96
11) Tert butyl alcohol	5.530	59	150936	244.615	ug/l	99
12) 1,1-Dichloroethene	4.336	96	109432	50.045	ug/l	93
13) Acrolein	4.171	56	87212	176.120	ug/l	99
14) Allyl chloride	5.012	41	194931	49.259	ug/l	99
15) Acrylonitrile	5.706	53	419384	250.470	ug/l	98
16) Acetone	4.418	43	358708	235.425	ug/l	100
17) Carbon Disulfide	4.701	76	341381	52.659	ug/l	97
18) Methyl Acetate	5.018	43	197297	51.540	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	418021	51.865	ug/l	96
20) Methylene Chloride	5.265	84	129865	50.425	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	123800	50.212	ug/l	97
22) Diisopropyl ether	6.659	45	447401	53.898	ug/l	99
23) Vinyl Acetate	6.589	43	2071638	285.355	ug/l	98
24) 1,1-Dichloroethane	6.553	63	246438	51.460	ug/l	98
25) 2-Butanone	7.471	43	598466	254.212	ug/l	100
26) 2,2-Dichloropropane	7.471	77	186400	50.063	ug/l	97
27) cis-1,2-Dichloroethene	7.477	96	148524	52.323	ug/l	99
28) Bromochloromethane	7.794	49	106228	46.348	ug/l	97
29) Tetrahydrofuran	7.824	42	392857	256.877	ug/l	99
30) Chloroform	7.953	83	247579	51.650	ug/l	97
31) Cyclohexane	8.242	56	225256	56.384	ug/l	95
32) 1,1,1-Trichloroethane	8.153	97	220760	53.174	ug/l	99
36) 1,1-Dichloropropene	8.353	75	179107	59.227	ug/l	99
37) Ethyl Acetate	7.553	43	228738	52.373	ug/l	99
38) Carbon Tetrachloride	8.341	117	192118	57.671	ug/l	93
39) Methylcyclohexane	9.583	83	211657	64.648	ug/l	98
40) Benzene	8.589	78	541490	55.402	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	127535	55.846	ug/l	98
42) 1,2-Dichloroethane	8.653	62	192670	51.982	ug/l	99
43) Isopropyl Acetate	8.677	43	363338	53.591	ug/l	100
44) Trichloroethene	9.336	130	125452	54.322	ug/l	96
45) 1,2-Dichloropropane	9.606	63	135992	54.760	ug/l	96
46) Dibromomethane	9.694	93	96606	51.955	ug/l	99
47) Bromodichloromethane	9.871	83	195834	52.287	ug/l	99
48) Methyl methacrylate	9.665	41	170793	55.957	ug/l	100
49) 1,4-Dioxane	9.683	88	44062	942.545	ug/l #	98
51) 4-Methyl-2-Pentanone	10.430	43	1162588	271.120	ug/l	99
52) Toluene	10.612	92	334726	56.344	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	204091	53.843	ug/l	93
54) cis-1,3-Dichloropropene	10.294	75	212962	54.392	ug/l	97
55) 1,1,2-Trichloroethane	11.000	97	128470	53.415	ug/l	93
56) Ethyl methacrylate	10.859	69	215083	53.048	ug/l	98
57) 1,3-Dichloropropane	11.141	76	226389	54.441	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	568418	288.104	ug/l	99
59) 2-Hexanone	11.177	43	812748	285.678	ug/l	100
60) Dibromochloromethane	11.341	129	150091	54.720	ug/l	97
61) 1,2-Dibromoethane	11.447	107	133498	52.790	ug/l	96
64) Tetrachloroethene	11.082	164	105120	54.195	ug/l	97
65) Chlorobenzene	11.871	112	361819	53.475	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	126464	54.967	ug/l	100
67) Ethyl Benzene	11.947	91	625639	56.168	ug/l	99
68) m/p-Xylenes	12.053	106	487916	116.978	ug/l	99
69) o-Xylene	12.377	106	232606	58.381	ug/l	100
70) Styrene	12.394	104	394519	58.862	ug/l	98
71) Bromoform	12.559	173	99948	53.773	ug/l #	99
73) Isopropylbenzene	12.677	105	605418	59.666	ug/l	99
74) N-amyl acetate	12.494	43	198838	47.166	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.918	83	199150	52.160	ug/l	100
76) 1,2,3-Trichloropropane	12.971	75	171523m	47.445	ug/l	
77) Bromobenzene	12.959	156	145777	55.397	ug/l	98
78) n-propylbenzene	13.012	91	744909	58.350	ug/l	99
79) 2-Chlorotoluene	13.106	91	440232	56.110	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	510963	59.103	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	62631	47.402	ug/l	99
82) 4-Chlorotoluene	13.200	91	448965	54.962	ug/l	100
83) tert-Butylbenzene	13.418	119	450159	62.344	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	523082	59.248	ug/l	99
85) sec-Butylbenzene	13.594	105	657117	60.418	ug/l	98
86) p-Isopropyltoluene	13.706	119	549161	63.006	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	278073	53.842	ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	288616	52.324	ug/l	99
89) n-Butylbenzene	14.035	91	509469	61.214	ug/l	98
90) Hexachloroethane	14.312	117	102875	55.707	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	270474	55.281	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.694	75	48396	48.280	ug/l	98
93) 1,2,4-Trichlorobenzene	15.370	180	158763	55.240	ug/l	98
94) Hexachlorobutadiene	15.476	225	70087	65.630	ug/l	98
95) Naphthalene	15.617	128	557494	54.755	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	160460	55.658	ug/l	99

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

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