

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087573.D
 Acq On : 15 Aug 2025 10:16
 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 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 05:36:32 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	8.206	168	245586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	482039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	450948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	231046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	246070	59.051	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.100%			
35) Dibromofluoromethane	8.147	113	171373	51.539	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.080%			
50) Toluene-d8	10.547	98	621670	52.413	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.820%			
62) 4-Bromofluorobenzene	12.829	95	238626	54.455	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.900%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	152333	58.401	ug/l	100
3) Chloromethane	2.383	50	158050	48.184	ug/l	97
4) Vinyl Chloride	2.542	62	179416	55.039	ug/l	93
5) Bromomethane	2.965	94	103996	61.606	ug/l	96
6) Chloroethane	3.130	64	124531	58.579	ug/l	99
7) Trichlorofluoromethane	3.512	101	265980	55.180	ug/l	99
8) Diethyl Ether	3.959	74	118709	63.487	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	144941	58.576	ug/l	95
10) Methyl Iodide	4.577	142	101027	40.848	ug/l	91
11) Tert butyl alcohol	5.524	59	221936	280.493	ug/l	99
12) 1,1-Dichloroethene	4.336	96	145621	51.933	ug/l	90
13) Acrolein	4.177	56	139004	218.909	ug/l	98
14) Allyl chloride	5.012	41	273265	53.851	ug/l	90
15) Acrylonitrile	5.706	53	583196	271.620	ug/l	98
16) Acetone	4.424	43	573915	293.740	ug/l	97
17) Carbon Disulfide	4.700	76	384434	46.244	ug/l #	94
18) Methyl Acetate	5.012	43	322116	65.621	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	623488	60.326	ug/l	100
20) Methylene Chloride	5.259	84	182739	55.396	ug/l	95
21) trans-1,2-Dichloroethene	5.777	96	163725	51.785	ug/l	97
22) Diisopropyl ether	6.659	45	654568	61.495	ug/l	96
23) Vinyl Acetate	6.589	43	2593559m	278.594	ug/l	
24) 1,1-Dichloroethane	6.553	63	337733	54.997	ug/l	99
25) 2-Butanone	7.471	43	845738	280.153	ug/l	97
26) 2,2-Dichloropropane	7.477	77	283554	59.390	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	204373	56.147	ug/l	97
28) Bromochloromethane	7.794	49	173390	58.996	ug/l	93
29) Tetrahydrofuran	7.830	42	550696	280.806	ug/l	99
30) Chloroform	7.947	83	360614	58.668	ug/l	100
31) Cyclohexane	8.236	56	261405	51.027	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	302264	56.776	ug/l	98
36) 1,1-Dichloropropene	8.353	75	229611	52.267	ug/l	99
37) Ethyl Acetate	7.547	43	325639	51.325	ug/l	98
38) Carbon Tetrachloride	8.347	117	238627	49.310	ug/l	98
39) Methylcyclohexane	9.583	83	246370	51.801	ug/l	96
40) Benzene	8.588	78	737316	51.930	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	186380	56.181	ug/l	96
42) 1,2-Dichloroethane	8.653	62	293150	54.445	ug/l	98
43) Isopropyl Acetate	8.671	43	544817	55.317	ug/l	98
44) Trichloroethene	9.335	130	163654	48.781	ug/l	94
45) 1,2-Dichloropropane	9.600	63	194632	53.950	ug/l	97
46) Dibromomethane	9.688	93	141832	52.508	ug/l	96
47) Bromodichloromethane	9.871	83	293550	53.953	ug/l	96
48) Methyl methacrylate	9.665	41	261626	59.006	ug/l	93
49) 1,4-Dioxane	9.683	88	67410	992.637	ug/l #	97
51) 4-Methyl-2-Pentanone	10.430	43	1704082	273.561	ug/l	97
52) Toluene	10.612	92	460656	53.378	ug/l	96
53) t-1,3-Dichloropropene	10.818	75	308036	55.942	ug/l	97
54) cis-1,3-Dichloropropene	10.294	75	315398	55.452	ug/l #	87
55) 1,1,2-Trichloroethane	10.994	97	186077	53.258	ug/l	91
56) Ethyl methacrylate	10.859	69	316843	53.760	ug/l #	90
57) 1,3-Dichloropropane	11.141	76	326196	53.998	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	893965	311.911	ug/l	99
59) 2-Hexanone	11.177	43	1164925	281.869	ug/l	99
60) Dibromochloromethane	11.341	129	208269	52.269	ug/l	99
61) 1,2-Dibromoethane	11.447	107	191947	52.250	ug/l	98
64) Tetrachloroethene	11.082	164	128627	44.319	ug/l	93
65) Chlorobenzene	11.871	112	501410	49.526	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.941	131	179303	52.084	ug/l	97
67) Ethyl Benzene	11.941	91	896675	53.800	ug/l	96
68) m/p-Xylenes	12.053	106	659442	105.661	ug/l	93
69) o-Xylene	12.376	106	324131	54.369	ug/l	94
70) Styrene	12.394	104	568876	56.724	ug/l	99
71) Bromoform	12.559	173	135253	48.631	ug/l #	99
73) Isopropylbenzene	12.676	105	839343	57.720	ug/l	97
74) N-amyl acetate	12.500	43	263749	43.655	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.918	83	299201	54.681	ug/l	99
76) 1,2,3-Trichloropropane	12.976	75	278895m	53.830	ug/l	
77) Bromobenzene	12.959	156	196171	52.017	ug/l	94
78) n-propylbenzene	13.018	91	1058309	57.845	ug/l	98
79) 2-Chlorotoluene	13.106	91	633865	56.373	ug/l	95
80) 1,3,5-Trimethylbenzene	13.153	105	715218	57.727	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	96915	51.182	ug/l	87
82) 4-Chlorotoluene	13.200	91	663500	56.677	ug/l	97
83) tert-Butylbenzene	13.418	119	609585	58.909	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	748938	59.192	ug/l	95
85) sec-Butylbenzene	13.594	105	895296	57.439	ug/l	98
86) p-Isopropyltoluene	13.706	119	736868	58.991	ug/l	97
87) 1,3-Dichlorobenzene	13.712	146	387319	52.330	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	394677	49.927	ug/l	97
89) n-Butylbenzene	14.035	91	731646	61.341	ug/l	99
90) Hexachloroethane	14.312	117	135871	51.338	ug/l	95
91) 1,2-Dichlorobenzene	14.082	146	375976	53.620	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	68815	47.902	ug/l	97
93) 1,2,4-Trichlorobenzene	15.370	180	220609	53.561	ug/l	99
94) Hexachlorobutadiene	15.476	225	80598	52.663	ug/l	100
95) Naphthalene	15.612	128	804553	55.138	ug/l	99
96) 1,2,3-Trichlorobenzene	15.817	180	215045	52.048	ug/l	99

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

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