

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
 Data File : VN087925.D
 Acq On : 23 Sep 2025 09:54
 Operator : JC\MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Sep 24 01:56:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 01:53:45 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/24/2025
 Supervised By : Mahesh Dadoda 09/26/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	223411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	427499	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	406997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	215472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	79234	21.074	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	42.140%#		
35) Dibromofluoromethane	8.153	113	61116	19.690	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.380%#		
50) Toluene-d8	10.541	98	213554	19.565	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.120%#		
62) 4-Bromofluorobenzene	12.829	95	72525	18.589	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	37.180%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	36748	13.986	ug/l	92
3) Chloromethane	2.383	50	38532	14.014	ug/l	95
4) Vinyl Chloride	2.536	62	39078	13.741	ug/l	90
5) Bromomethane	2.971	94	26217	15.647	ug/l	87
6) Chloroethane	3.136	64	27272	14.589	ug/l	96
7) Trichlorofluoromethane	3.506	101	66532	14.362	ug/l	98
8) Diethyl Ether	3.965	74	24484	13.855	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.365	101	36085	14.310	ug/l	97
10) Methyl Iodide	4.583	142	26697	12.754	ug/l	92
11) Tert butyl alcohol	5.524	59	37035	68.388	ug/l	95
12) 1,1-Dichloroethene	4.342	96	38797	15.556	ug/l	98
13) Acrolein	4.171	56	52439	75.467	ug/l	97
14) Allyl chloride	5.018	41	56862	14.170	ug/l	96
15) Acrylonitrile	5.712	53	130255	76.734	ug/l	98
16) Acetone	4.424	43	130620	77.153	ug/l	100
17) Carbon Disulfide	4.706	76	113411	14.728	ug/l	98
18) Methyl Acetate	5.012	43	54803	13.686	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	135916	14.771	ug/l	98
20) Methylene Chloride	5.259	84	49361	13.707	ug/l	90
21) trans-1,2-Dichloroethene	5.777	96	44207	14.198	ug/l #	82
22) Diisopropyl ether	6.659	45	135930	15.305	ug/l	97
23) Vinyl Acetate	6.589	43	570640m	72.379	ug/l	
24) 1,1-Dichloroethane	6.553	63	82445	15.057	ug/l	98
25) 2-Butanone	7.471	43	187693	78.128	ug/l	99
26) 2,2-Dichloropropane	7.465	77	70927	15.007	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	52072	14.857	ug/l	98
28) Bromochloromethane	7.794	49	50037	17.955	ug/l	99
29) Tetrahydrofuran	7.830	42	108048	71.289	ug/l	97
30) Chloroform	7.947	83	89662	14.835	ug/l	93
31) Cyclohexane	8.235	56	64000	15.180	ug/l	93
32) 1,1,1-Trichloroethane	8.153	97	75190	14.953	ug/l	95
36) 1,1-Dichloropropene	8.347	75	53901	14.085	ug/l	96
37) Ethyl Acetate	7.547	43	72884	14.927	ug/l	98
38) Carbon Tetrachloride	8.341	117	63100	14.126	ug/l	96
39) Methylcyclohexane	9.582	83	56102	13.331	ug/l	94
40) Benzene	8.588	78	182196	14.431	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	34456	13.360	ug/l	92
42) 1,2-Dichloroethane	8.653	62	71851	15.042	ug/l	100
43) Isopropyl Acetate	8.671	43	108696	14.067	ug/l	98
44) Trichloroethene	9.335	130	43238	14.327	ug/l	95
45) 1,2-Dichloropropane	9.600	63	47138	15.100	ug/l	93
46) Dibromomethane	9.688	93	36643	14.456	ug/l	95
47) Bromodichloromethane	9.871	83	71013	14.585	ug/l	90
48) Methyl methacrylate	9.665	41	49474	14.181	ug/l	98
49) 1,4-Dioxane	9.688	88	14310	263.912	ug/l #	75
51) 4-Methyl-2-Pentanone	10.424	43	354320	74.808	ug/l	99
52) Toluene	10.606	92	115599	15.319	ug/l	98
53) t-1,3-Dichloropropene	10.812	75	70766	14.580	ug/l	95
54) cis-1,3-Dichloropropene	10.294	75	73698	14.417	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	46977	14.681	ug/l	98
56) Ethyl methacrylate	10.853	69	58757	13.642	ug/l	96
57) 1,3-Dichloropropane	11.141	76	77182	14.621	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	279997	141.510	ug/l	99
59) 2-Hexanone	11.176	43	220851	74.269	ug/l	98
60) Dibromochloromethane	11.335	129	54275	14.518	ug/l	98
61) 1,2-Dibromoethane	11.447	107	48169	14.036	ug/l	99
64) Tetrachloroethene	11.082	164	35820	13.845	ug/l	96
65) Chlorobenzene	11.871	112	129303	14.510	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.941	131	45283	13.980	ug/l	95
67) Ethyl Benzene	11.941	91	206323	14.317	ug/l	94
68) m/p-Xylenes	12.047	106	160320	29.081	ug/l	100
69) o-Xylene	12.376	106	73156	14.272	ug/l	98
70) Styrene	12.394	104	129670	14.884	ug/l	98
71) Bromoform	12.559	173	36434	14.445	ug/l #	97
73) Isopropylbenzene	12.670	105	187017	14.013	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.912	83	71434	14.270	ug/l	100
76) 1,2,3-Trichloropropane	12.976	75	73502m	12.356	ug/l	
77) Bromobenzene	12.959	156	51627	14.533	ug/l	89
78) n-propylbenzene	13.012	91	236370	14.327	ug/l	100
79) 2-Chlorotoluene	13.106	91	143982	13.831	ug/l	99
80) 1,3,5-Trimethylbenzene	13.147	105	164739	14.562	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	20782	13.587	ug/l	98
82) 4-Chlorotoluene	13.200	91	156430	15.272	ug/l	100
83) tert-Butylbenzene	13.417	119	138876	14.316	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	171915	14.959	ug/l	100
85) sec-Butylbenzene	13.594	105	199683	14.388	ug/l	99
86) p-Isopropyltoluene	13.706	119	167240	14.126	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	101180	14.581	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	106535	14.056	ug/l	98
89) n-Butylbenzene	14.035	91	153828	13.529	ug/l	99
90) Hexachloroethane	14.306	117	35924	13.511	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	95556	14.043	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	15314	13.728	ug/l	95
93) 1,2,4-Trichlorobenzene	15.364	180	55204	13.702	ug/l	93
94) Hexachlorobutadiene	15.470	225	21915	14.119	ug/l	98
95) Naphthalene	15.611	128	166402	13.486	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	53756	14.028	ug/l	99

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

