

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
 Data File : VN087924.D
 Acq On : 23 Sep 2025 09:33
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Sep 24 04:47:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 04:45:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	222356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	420635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	399169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	202125	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	18952	5.065	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.120%#		
35) Dibromofluoromethane	8.153	113	15821	5.180	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.360%#		
50) Toluene-d8	10.541	98	50031	4.658	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.320%#		
62) 4-Bromofluorobenzene	12.829	95	18155	4.729	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.460%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	13126	5.097	ug/l	99
3) Chloromethane	2.383	50	14715	5.581	ug/l	93
4) Vinyl Chloride	2.536	62	14589	5.423	ug/l	93
5) Bromomethane	2.971	94	8627	5.173	ug/l	89
6) Chloroethane	3.136	64	9834	5.623	ug/l	93
7) Trichlorofluoromethane	3.512	101	25997	5.936	ug/l	99
8) Diethyl Ether	3.965	74	8903	5.381	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.365	101	13274	5.734	ug/l	97
10) Methyl Iodide	4.589	142	7442	3.572	ug/l	98
11) Tert butyl alcohol	5.518	59	13898	25.785	ug/l #	84
12) 1,1-Dichloroethene	4.336	96	13134	5.623	ug/l	85
13) Acrolein	4.171	56	18861	27.272	ug/l	100
14) Allyl chloride	5.012	41	19959	5.249	ug/l	92
15) Acrylonitrile	5.712	53	43865	25.945	ug/l	99
16) Acetone	4.430	43	46306m	29.892	ug/l	
17) Carbon Disulfide	4.700	76	39748	5.447	ug/l	100
18) Methyl Acetate	5.012	43	18268	4.741	ug/l #	57
19) Methyl tert-butyl Ether	5.794	73	45522	4.989	ug/l	100
20) Methylene Chloride	5.265	84	19358	6.212	ug/l #	94
21) trans-1,2-Dichloroethene	5.777	96	16849	5.884	ug/l	91
22) Diisopropyl ether	6.665	45	45352	5.109	ug/l #	94
23) Vinyl Acetate	6.588	43	176170	23.571	ug/l	98
24) 1,1-Dichloroethane	6.553	63	29249	5.640	ug/l	95
25) 2-Butanone	7.477	43	61960	26.329	ug/l	94
26) 2,2-Dichloropropane	7.471	77	25251	5.480	ug/l	97
27) cis-1,2-Dichloroethene	7.465	96	18948	5.562	ug/l	97
28) Bromochloromethane	7.794	49	14841	5.267	ug/l	98
29) Tetrahydrofuran	7.824	42	37229	24.706	ug/l	98
30) Chloroform	7.947	83	31560	5.566	ug/l	94
31) Cyclohexane	8.235	56	25850	6.160	ug/l	86
32) 1,1,1-Trichloroethane	8.153	97	26469	5.524	ug/l #	86
36) 1,1-Dichloropropene	8.359	75	18296	4.982	ug/l	95
37) Ethyl Acetate	7.553	43	25308	5.248	ug/l #	96
38) Carbon Tetrachloride	8.347	117	22056	5.234	ug/l	99
39) Methylcyclohexane	9.582	83	18721	4.621	ug/l #	85
40) Benzene	8.594	78	63389	5.213	ug/l	95

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	12197	4.894	ug/l #	93
42) 1,2-Dichloroethane	8.647	62	24064	5.303	ug/l	99
43) Isopropyl Acetate	8.676	43	37238	4.906	ug/l	99
44) Trichloroethene	9.329	130	15430	5.313	ug/l	87
45) 1,2-Dichloropropane	9.606	63	16459	5.398	ug/l #	75
46) Dibromomethane	9.694	93	11919	4.954	ug/l	97
47) Bromodichloromethane	9.865	83	24450	5.181	ug/l #	93
48) Methyl methacrylate	9.665	41	16484	4.689	ug/l	89
49) 1,4-Dioxane	9.688	88	5284	101.752	ug/l #	76
51) 4-Methyl-2-Pentanone	10.423	43	111966	23.639	ug/l	97
52) Toluene	10.606	92	37730	4.945	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	23406	4.847	ug/l	96
54) cis-1,3-Dichloropropene	10.294	75	24940	4.972	ug/l	93
55) 1,1,2-Trichloroethane	10.994	97	16385	5.281	ug/l #	82
56) Ethyl methacrylate	10.859	69	18199	4.060	ug/l	96
57) 1,3-Dichloropropane	11.141	76	25677	5.032	ug/l	94
58) 2-Chloroethyl Vinyl ether	10.141	63	40658	19.289	ug/l	100
59) 2-Hexanone	11.182	43	62373	19.915	ug/l	98
60) Dibromochloromethane	11.335	129	17873	4.900	ug/l	97
61) 1,2-Dibromoethane	11.447	107	16603	5.055	ug/l	96
64) Tetrachloroethene	11.076	164	12289	5.054	ug/l	94
65) Chlorobenzene	11.870	112	42197	4.968	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.935	131	16032	5.234	ug/l	94
67) Ethyl Benzene	11.947	91	65844	4.645	ug/l	99
68) m/p-Xylenes	12.053	106	48826	9.007	ug/l	100
69) o-Xylene	12.382	106	23662	4.543	ug/l	99
70) Styrene	12.388	104	36168	4.043	ug/l	98
71) Bromoform	12.564	173	11400	4.587	ug/l #	94
73) Isopropylbenzene	12.670	105	53756	4.291	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.917	83	24506	5.429	ug/l	98
76) 1,2,3-Trichloropropane	12.970	75	19585m	4.885	ug/l	
77) Bromobenzene	12.959	156	17210	5.163	ug/l	95
78) n-propylbenzene	13.011	91	73512	4.694	ug/l	100
79) 2-Chlorotoluene	13.106	91	47102	4.939	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	48265	4.454	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.729	75	6119	4.265	ug/l	95
82) 4-Chlorotoluene	13.200	91	42937	4.468	ug/l	95
83) tert-Butylbenzene	13.411	119	39678	4.326	ug/l	93
84) 1,2,4-Trimethylbenzene	13.464	105	48866	4.397	ug/l	99
85) sec-Butylbenzene	13.594	105	62218	4.627	ug/l	100
86) p-Isopropyltoluene	13.706	119	50459	4.431	ug/l	97
87) 1,3-Dichlorobenzene	13.711	146	34148	5.250	ug/l	96
88) 1,4-Dichlorobenzene	13.788	146	36387	5.444	ug/l	92
89) n-Butylbenzene	14.029	91	50142	4.659	ug/l	94
90) Hexachloroethane	14.311	117	12750	5.359	ug/l	95
91) 1,2-Dichlorobenzene	14.088	146	32149	5.128	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.688	75	5752	5.485	ug/l	83
93) 1,2,4-Trichlorobenzene	15.370	180	17526	4.735	ug/l	95
94) Hexachlorobutadiene	15.476	225	7041	5.168	ug/l	95
95) Naphthalene	15.611	128	48467	4.079	ug/l	97
96) 1,2,3-Trichlorobenzene	15.811	180	15763	4.380	ug/l	95

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

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

