

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090225\
 Data File : VN087707.D
 Acq On : 02 Sep 2025 12:28
 Operator : JC\MD
 Sample : VN0902MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/03/2025
 Supervised By : Semsettin Yesilyurt 09/03/2025

Quant Time: Sep 03 01:17:49 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	8.200	168	217828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	425501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	383557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	189771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	196995	44.139	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.280%		
35) Dibromofluoromethane	8.147	113	136737	44.509	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.020%		
50) Toluene-d8	10.547	98	505478	43.961	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	87.920%		
62) 4-Bromofluorobenzene	12.829	95	184380	45.090	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	90.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	58679	18.967	ug/l	99
3) Chloromethane	2.383	50	59937	18.852	ug/l	97
4) Vinyl Chloride	2.542	62	68231	18.509	ug/l	99
5) Bromomethane	2.977	94	36370	19.121	ug/l	91
6) Chloroethane	3.136	64	45272	17.473	ug/l	99
7) Trichlorofluoromethane	3.518	101	101210	18.739	ug/l	96
8) Diethyl Ether	3.965	74	42173	17.929	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.359	101	58861	19.260	ug/l	97
10) Methyl Iodide	4.577	142	36173	20.491	ug/l	95
11) Tert butyl alcohol	5.524	59	71934	92.842	ug/l	98
12) 1,1-Dichloroethene	4.336	96	57078	18.175	ug/l	92
13) Acrolein	4.177	56	53362	56.022	ug/l	97
14) Allyl chloride	5.024	41	96616	16.977	ug/l	99
15) Acrylonitrile	5.712	53	197784	90.514	ug/l	98
16) Acetone	4.424	43	204214	84.055	ug/l	96
17) Carbon Disulfide	4.706	76	144547	16.719	ug/l	100
18) Methyl Acetate	5.018	43	101709	19.994	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	214780	18.230	ug/l	99
20) Methylene Chloride	5.265	84	65074	17.716	ug/l #	92
21) trans-1,2-Dichloroethene	5.771	96	58202	17.100	ug/l	99
22) Diisopropyl ether	6.659	45	221192	18.010	ug/l	95
23) Vinyl Acetate	6.589	43	990937	88.686	ug/l	100
24) 1,1-Dichloroethane	6.559	63	115445	17.144	ug/l	95
25) 2-Butanone	7.471	43	276726	86.575	ug/l	97
26) 2,2-Dichloropropane	7.471	77	103338	17.880	ug/l	100
27) cis-1,2-Dichloroethene	7.465	96	70084	17.224	ug/l	94
28) Bromochloromethane	7.800	49	61751	18.969	ug/l	98
29) Tetrahydrofuran	7.830	42	181017	87.999	ug/l	97
30) Chloroform	7.947	83	120463	17.527	ug/l	97
31) Cyclohexane	8.236	56	101187	18.025	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	104710	17.977	ug/l	94
36) 1,1-Dichloropropene	8.353	75	81336	17.258	ug/l	99
37) Ethyl Acetate	7.547	43	116062	18.021	ug/l	99
38) Carbon Tetrachloride	8.341	117	85506	18.375	ug/l	94
39) Methylcyclohexane	9.582	83	91822	17.696	ug/l	97
40) Benzene	8.588	78	253148	17.512	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	58542	17.548	ug/l	99
42) 1,2-Dichloroethane	8.653	62	100786	18.143	ug/l	99
43) Isopropyl Acetate	8.677	43	184027	18.302	ug/l	99
44) Trichloroethene	9.335	130	57544	17.436	ug/l	88
45) 1,2-Dichloropropane	9.600	63	67002	17.584	ug/l	99
46) Dibromomethane	9.688	93	49132	18.120	ug/l	99
47) Bromodichloromethane	9.871	83	104245	18.759	ug/l	96
48) Methyl methacrylate	9.665	41	80820	16.993	ug/l	98
49) 1,4-Dioxane	9.682	88	23614	383.068	ug/l #	99
51) 4-Methyl-2-Pentanone	10.424	43	551071	90.838	ug/l	100
52) Toluene	10.612	92	157056	17.526	ug/l	99
53) t-1,3-Dichloropropene	10.812	75	103983	18.077	ug/l	94
54) cis-1,3-Dichloropropene	10.294	75	108054	18.092	ug/l	98
55) 1,1,2-Trichloroethane	11.000	97	62841	18.127	ug/l	91
56) Ethyl methacrylate	10.853	69	99302	17.924	ug/l	98
57) 1,3-Dichloropropane	11.141	76	110589	18.025	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	277503	92.541	ug/l	99
59) 2-Hexanone	11.177	43	352215	91.865	ug/l	99
60) Dibromochloromethane	11.335	129	70924	17.656	ug/l	99
61) 1,2-Dibromoethane	11.447	107	66282	18.132	ug/l	98
64) Tetrachloroethene	11.082	164	46543	17.490	ug/l	97
65) Chlorobenzene	11.871	112	164112	17.198	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	61405	19.383	ug/l	97
67) Ethyl Benzene	11.941	91	301009	18.219	ug/l	98
68) m/p-Xylenes	12.053	106	213211	35.188	ug/l	96
69) o-Xylene	12.376	106	104770	17.644	ug/l	96
70) Styrene	12.388	104	178688	17.962	ug/l	98
71) Bromoform	12.559	173	45654	18.791	ug/l #	97
73) Isopropylbenzene	12.676	105	276459	18.028	ug/l	99
74) N-amyl acetate	12.565	43	108921m	18.743	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	97717	18.509	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	95088m	21.367	ug/l	
77) Bromobenzene	12.959	156	64307	17.786	ug/l	98
78) n-propylbenzene	13.012	91	345144	18.273	ug/l	100
79) 2-Chlorotoluene	13.106	91	206095	18.131	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	236753	18.199	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.723	75	35708	21.242	ug/l #	75
82) 4-Chlorotoluene	13.200	91	214848	17.977	ug/l	99
83) tert-Butylbenzene	13.418	119	197073	18.179	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	237282	18.221	ug/l	97
85) sec-Butylbenzene	13.594	105	293604	18.251	ug/l	99
86) p-Isopropyltoluene	13.706	119	240233	18.085	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	127052	17.844	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	131841	17.793	ug/l	98
89) n-Butylbenzene	14.035	91	244296	18.517	ug/l	98
90) Hexachloroethane	14.306	117	48125	19.016	ug/l	95
91) 1,2-Dichlorobenzene	14.082	146	123390	18.266	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	22313	17.791	ug/l	99
93) 1,2,4-Trichlorobenzene	15.370	180	69233	17.068	ug/l	97
94) Hexachlorobutadiene	15.470	225	24661	17.053	ug/l	99
95) Naphthalene	15.612	128	248963	17.328	ug/l	98
96) 1,2,3-Trichlorobenzene	15.812	180	69368	17.493	ug/l	97

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

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