

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082925\
 Data File : VN087696.D
 Acq On : 29 Aug 2025 13:24
 Operator : JC\MD
 Sample : VN0829MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/02/2025
 Supervised By : Semsettin Yesilyurt 09/03/2025

Quant Time: Aug 29 22:53:44 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	8.206	168	188928	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	373365	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	351090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	178354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	187772	48.508	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.020%		
35) Dibromofluoromethane	8.147	113	126636	46.977	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.960%		
50) Toluene-d8	10.547	98	461350	45.726	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.460%		
62) 4-Bromofluorobenzene	12.829	95	165941	46.247	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.500%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	51190	19.077	ug/l	98
3) Chloromethane	2.383	50	55531	20.138	ug/l	94
4) Vinyl Chloride	2.536	62	61029	19.088	ug/l	96
5) Bromomethane	2.977	94	32491	19.694	ug/l	99
6) Chloroethane	3.136	64	41645	18.532	ug/l	95
7) Trichlorofluoromethane	3.506	101	90530	19.326	ug/l	98
8) Diethyl Ether	3.965	74	38190	18.720	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	48908	18.452	ug/l	97
10) Methyl Iodide	4.571	142	26311	18.284	ug/l	91
11) Tert butyl alcohol	5.530	59	65482	97.443	ug/l #	85
12) 1,1-Dichloroethene	4.336	96	50191	18.426	ug/l	87
13) Acrolein	4.171	56	64784	78.418	ug/l	99
14) Allyl chloride	5.006	41	80908	16.391	ug/l	98
15) Acrylonitrile	5.706	53	176216	92.979	ug/l	97
16) Acetone	4.424	43	195049	92.563	ug/l	99
17) Carbon Disulfide	4.695	76	123567	16.478	ug/l	98
18) Methyl Acetate	5.018	43	89056	20.185	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	185853	18.188	ug/l	97
20) Methylene Chloride	5.265	84	57586	18.102	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	49933	16.914	ug/l	89
22) Diisopropyl ether	6.665	45	194004	18.213	ug/l	98
23) Vinyl Acetate	6.595	43	882161	91.028	ug/l	98
24) 1,1-Dichloroethane	6.553	63	106632	18.258	ug/l	98
25) 2-Butanone	7.477	43	256683	92.589	ug/l	97
26) 2,2-Dichloropropane	7.477	77	89854	17.925	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	61880	17.534	ug/l	97
28) Bromochloromethane	7.800	49	55580	19.685	ug/l	98
29) Tetrahydrofuran	7.830	42	158693	88.947	ug/l	99
30) Chloroform	7.947	83	112063	18.799	ug/l	96
31) Cyclohexane	8.241	56	80311	16.495	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	91842	18.179	ug/l	95
36) 1,1-Dichloropropene	8.353	75	68123	16.473	ug/l	98
37) Ethyl Acetate	7.553	43	91214	16.141	ug/l	96
38) Carbon Tetrachloride	8.341	117	71797	17.584	ug/l	94
39) Methylcyclohexane	9.583	83	70588	15.504	ug/l	97
40) Benzene	8.588	78	227341	17.923	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	50902	17.389	ug/l	96
42) 1,2-Dichloroethane	8.653	62	89468	18.355	ug/l	99
43) Isopropyl Acetate	8.677	43	161391	18.292	ug/l	98
44) Trichloroethene	9.335	130	49364	17.046	ug/l	95
45) 1,2-Dichloropropane	9.600	63	61307	18.337	ug/l	98
46) Dibromomethane	9.688	93	44167	18.563	ug/l	99
47) Bromodichloromethane	9.871	83	90297	18.518	ug/l	94
48) Methyl methacrylate	9.665	41	72668	17.413	ug/l	96
49) 1,4-Dioxane	9.683	88	21957	405.926	ug/l #	92
51) 4-Methyl-2-Pentanone	10.424	43	513315	96.430	ug/l	98
52) Toluene	10.606	92	140083	17.814	ug/l	100
53) t-1,3-Dichloropropene	10.812	75	90004	17.832	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	94514	18.034	ug/l	90
55) 1,1,2-Trichloroethane	10.994	97	57761	18.988	ug/l	97
56) Ethyl methacrylate	10.859	69	86431	17.779	ug/l	97
57) 1,3-Dichloropropane	11.141	76	101919	18.931	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	249840	94.951	ug/l	99
59) 2-Hexanone	11.182	43	323063	96.028	ug/l	97
60) Dibromochloromethane	11.335	129	64331	18.251	ug/l	99
61) 1,2-Dibromoethane	11.447	107	59517	18.555	ug/l	100
64) Tetrachloroethene	11.082	164	40745	16.727	ug/l	93
65) Chlorobenzene	11.865	112	155048	17.751	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	54995	18.965	ug/l	97
67) Ethyl Benzene	11.941	91	262980	17.389	ug/l	94
68) m/p-Xylenes	12.047	106	193034	34.804	ug/l	100
69) o-Xylene	12.376	106	95307	17.534	ug/l	99
70) Styrene	12.388	104	165073	18.128	ug/l	98
71) Bromoform	12.559	173	40149	18.053	ug/l #	98
73) Isopropylbenzene	12.671	105	242355	16.816	ug/l	98
74) N-amyl acetate	12.588	43	89313m	16.353	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	91872	18.515	ug/l	99
76) 1,2,3-Trichloropropane	12.971	75	86750m	20.741	ug/l	
77) Bromobenzene	12.959	156	61668	18.148	ug/l	96
78) n-propylbenzene	13.012	91	306151	17.246	ug/l	99
79) 2-Chlorotoluene	13.106	91	184458	17.266	ug/l	98
80) 1,3,5-Trimethylbenzene	13.147	105	208329	17.040	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	26155	16.555	ug/l	88
82) 4-Chlorotoluene	13.200	91	197936	17.622	ug/l	99
83) tert-Butylbenzene	13.418	119	172447	16.926	ug/l	100
84) 1,2,4-Trimethylbenzene	13.459	105	212720	17.380	ug/l	100
85) sec-Butylbenzene	13.594	105	254993	16.865	ug/l	100
86) p-Isopropyltoluene	13.706	119	208869	16.730	ug/l	100
87) 1,3-Dichlorobenzene	13.712	146	119113	17.800	ug/l	97
88) 1,4-Dichlorobenzene	13.788	146	120426	17.293	ug/l	97
89) n-Butylbenzene	14.035	91	209655	16.909	ug/l	99
90) Hexachloroethane	14.306	117	41538	17.464	ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	112278	17.685	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.700	75	19357	16.422	ug/l	96
93) 1,2,4-Trichlorobenzene	15.370	180	66279	17.386	ug/l	98
94) Hexachlorobutadiene	15.476	225	23354	17.183	ug/l	98
95) Naphthalene	15.612	128	225308	16.685	ug/l	100
96) 1,2,3-Trichlorobenzene	15.812	180	63231	16.966	ug/l	99

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

