

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
 Data File : VN068891.D
 Acq On : 09 Jun 2025 09:55
 Operator : JC\MD
 Sample : VN0609MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0609MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/10/2025
 Supervised By : Mahesh Dadoda 06/10/2025

Quant Time: Jun 10 03:29:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	274335	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	473958	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	404520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	195936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	162108	44.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.260%		
35) Dibromofluoromethane	8.177	113	140875	50.155	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.320%		
50) Toluene-d8	10.571	98	540677	48.625	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.260%		
62) 4-Bromofluorobenzene	12.847	95	199820	48.369	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.740%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.153	85	56643	20.708	ug/l	99
3) Chloromethane	2.395	50	60709	17.188	ug/l	100
4) Vinyl Chloride	2.553	62	71469	19.615	ug/l	100
5) Bromomethane	3.000	94	40190	19.711	ug/l	99
6) Chloroethane	3.159	64	46373	19.703	ug/l	95
7) Trichlorofluoromethane	3.530	101	95333	20.026	ug/l	100
8) Diethyl Ether	3.983	74	43069	20.765	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.400	101	59220	19.800	ug/l	98
10) Methyl Iodide	4.612	142	68732	17.728	ug/l	97
11) Tert butyl alcohol	5.536	59	87661	87.956	ug/l	100
12) 1,1-Dichloroethene	4.371	96	63313	20.735	ug/l	90
13) Acrolein	4.200	56	19956	63.257	ug/l	99
14) Allyl chloride	5.047	41	91697	18.108	ug/l	96
15) Acrylonitrile	5.736	53	221040	94.887	ug/l	100
16) Acetone	4.447	43	169897	87.223	ug/l	98
17) Carbon Disulfide	4.741	76	159636	18.901	ug/l	99
18) Methyl Acetate	5.047	43	105899	18.656	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	227633	20.590	ug/l	96
20) Methylene Chloride	5.300	84	70729	19.395	ug/l	92
21) trans-1,2-Dichloroethene	5.812	96	67395	19.838	ug/l	96
22) Diisopropyl ether	6.683	45	206427	19.339	ug/l	95
23) Vinyl Acetate	6.618	43	873220	96.824	ug/l	97
24) 1,1-Dichloroethane	6.583	63	121761	19.821	ug/l	98
25) 2-Butanone	7.494	43	280837	88.700	ug/l	91
26) 2,2-Dichloropropane	7.506	77	107005	22.393	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	82638	20.340	ug/l	96
28) Bromochloromethane	7.818	49	52976	17.540	ug/l	91
29) Tetrahydrofuran	7.847	42	185775	90.072	ug/l	94
30) Chloroform	7.971	83	121954	19.880	ug/l	95
31) Cyclohexane	8.265	56	106675	17.907	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	102973	19.735	ug/l	97
36) 1,1-Dichloropropene	8.377	75	87733	20.962	ug/l	99
37) Ethyl Acetate	7.571	43	107429	20.163	ug/l	99
38) Carbon Tetrachloride	8.371	117	86453	21.040	ug/l	97
39) Methylcyclohexane	9.606	83	108981	19.006	ug/l	94
40) Benzene	8.612	78	281852	20.594	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	55559	18.568	ug/l	92
42) 1,2-Dichloroethane	8.677	62	84099	20.259	ug/l	97
43) Isopropyl Acetate	8.694	43	166562	19.478	ug/l	96
44) Trichloroethene	9.359	130	71658	22.081	ug/l	96
45) 1,2-Dichloropropane	9.624	63	68702	20.633	ug/l	98
46) Dibromomethane	9.712	93	47961	21.686	ug/l	97
47) Bromodichloromethane	9.894	83	95564	21.001	ug/l	99
48) Methyl methacrylate	9.682	41	76942	19.549	ug/l	96
49) 1,4-Dioxane	9.706	88	28698	400.792	ug/l #	96
51) 4-Methyl-2-Pentanone	10.447	43	526593	102.290	ug/l	98
52) Toluene	10.629	92	175608	20.996	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	111703	21.953	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	116955	21.482	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	68945	21.423	ug/l	99
56) Ethyl methacrylate	10.882	69	115686	22.568	ug/l	96
57) 1,3-Dichloropropane	11.165	76	117037	20.963	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	255991	83.728	ug/l	97
59) 2-Hexanone	11.206	43	327827	98.861	ug/l	94
60) Dibromochloromethane	11.359	129	73326	21.868	ug/l	99
61) 1,2-Dibromoethane	11.470	107	70880	21.487	ug/l	100
64) Tetrachloroethene	11.100	164	54773	21.395	ug/l	94
65) Chlorobenzene	11.888	112	196439	22.018	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	63534	22.153	ug/l	99
67) Ethyl Benzene	11.965	91	323962	21.081	ug/l	100
68) m/p-Xylenes	12.070	106	256173	43.546	ug/l	97
69) o-Xylene	12.394	106	122596	21.759	ug/l	98
70) Styrene	12.412	104	212273	22.018	ug/l	99
71) Bromoform	12.576	173	49742	23.408	ug/l #	99
73) Isopropylbenzene	12.694	105	302278	21.177	ug/l	100
74) N-amyl acetate	12.517	43	101314	20.312	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.935	83	108609	22.460	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	103824m	22.292	ug/l	
77) Bromobenzene	12.976	156	74596	22.788	ug/l	97
78) n-propylbenzene	13.035	91	356918	20.575	ug/l	97
79) 2-Chlorotoluene	13.123	91	216641	20.825	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	250280	21.237	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	46654	23.059	ug/l	97
82) 4-Chlorotoluene	13.217	91	224278	21.307	ug/l	98
83) tert-Butylbenzene	13.435	119	229297	21.255	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	251182	21.255	ug/l	99
85) sec-Butylbenzene	13.611	105	320650	20.468	ug/l	99
86) p-Isopropyltoluene	13.729	119	271557	20.970	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	141812	22.018	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	145379	22.140	ug/l	99
89) n-Butylbenzene	14.053	91	246544	19.655	ug/l	99
90) Hexachloroethane	14.329	117	44643	20.338	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	135771	21.942	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	24372	21.074	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	80627	20.405	ug/l	98
94) Hexachlorobutadiene	15.500	225	28385	19.282	ug/l	98
95) Naphthalene	15.635	128	307159	20.885	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	75629	19.265	ug/l	99

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

