

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
 Data File : VN086557.D
 Acq On : 09 May 2025 12:57
 Operator : JC\MD
 Sample : VN0509MBS02
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/12/2025
 Supervised By : Mahesh Dadoda 05/12/2025

Quant Time: May 09 23:25:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	176403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	314371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120415	47.074	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.140%		
35) Dibromofluoromethane	8.165	113	89453	61.310	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	122.620%		
50) Toluene-d8	10.565	98	366182	46.960	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.920%		
62) 4-Bromofluorobenzene	12.847	95	135313	47.575	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.160%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	40105	19.179	ug/l	98
3) Chloromethane	2.359	50	51058	16.800	ug/l	97
4) Vinyl Chloride	2.518	62	49017	16.901	ug/l	99
5) Bromomethane	2.959	94	29435	22.564	ug/l	97
6) Chloroethane	3.124	64	32412	16.699	ug/l	93
7) Trichlorofluoromethane	3.500	101	59251	18.444	ug/l	94
8) Diethyl Ether	3.959	74	25129	17.918	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	36006	18.528	ug/l	96
10) Methyl Iodide	4.589	142	44123	20.651	ug/l	96
11) Tert butyl alcohol	5.512	59	38589	82.680	ug/l	99
12) 1,1-Dichloroethene	4.342	96	35385	17.043	ug/l	95
13) Acrolein	4.177	56	22939	96.114	ug/l	99
14) Allyl chloride	5.024	41	50401	13.655	ug/l	93
15) Acrylonitrile	5.718	53	99876	86.565	ug/l	99
16) Acetone	4.418	43	81217	88.137	ug/l	99
17) Carbon Disulfide	4.712	76	101679	16.356	ug/l	99
18) Methyl Acetate	5.024	43	42834	13.950	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	134739	17.654	ug/l	97
20) Methylene Chloride	5.277	84	44201	18.691	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	39497	18.196	ug/l	93
22) Diisopropyl ether	6.671	45	129809	16.167	ug/l	95
23) Vinyl Acetate	6.600	43	490423	87.376	ug/l	96
24) 1,1-Dichloroethane	6.565	63	72385	17.086	ug/l	99
25) 2-Butanone	7.477	43	131412	82.534	ug/l	98
26) 2,2-Dichloropropane	7.488	77	65202	17.190	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	48720	18.084	ug/l	95
28) Bromochloromethane	7.812	49	34462	19.185	ug/l	89
29) Tetrahydrofuran	7.835	42	86842	81.562	ug/l	96
30) Chloroform	7.965	83	75911	18.241	ug/l	96
31) Cyclohexane	8.253	56	66282	15.989	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	64660	18.163	ug/l	97
36) 1,1-Dichloropropene	8.371	75	53357	18.309	ug/l	97
37) Ethyl Acetate	7.553	43	55250	18.008	ug/l	97
38) Carbon Tetrachloride	8.359	117	54557	19.658	ug/l	96
39) Methylcyclohexane	9.594	83	61817	17.846	ug/l	96
40) Benzene	8.600	78	174349	18.673	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	28768	16.179	ug/l	92
42) 1,2-Dichloroethane	8.665	62	58546	19.663	ug/l	100
43) Isopropyl Acetate	8.682	43	101359	16.922	ug/l	99
44) Trichloroethene	9.347	130	43403	19.613	ug/l	97
45) 1,2-Dichloropropane	9.618	63	41247	18.047	ug/l	99
46) Dibromomethane	9.706	93	29800	20.464	ug/l	96
47) Bromodichloromethane	9.888	83	59907	19.047	ug/l	98
48) Methyl methacrylate	9.676	41	43601	16.183	ug/l	93
49) 1,4-Dioxane	9.694	88	18022	393.245	ug/l	93
51) 4-Methyl-2-Pentanone	10.441	43	276921	88.144	ug/l	98
52) Toluene	10.629	92	112667	19.339	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	65643	18.697	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	69616	18.053	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	42434	20.244	ug/l	97
56) Ethyl methacrylate	10.871	69	69776	18.109	ug/l	97
57) 1,3-Dichloropropane	11.159	76	72338	19.451	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	158705	86.782	ug/l	96
59) 2-Hexanone	11.194	43	203276	87.232	ug/l	98
60) Dibromochloromethane	11.359	129	46325	20.126	ug/l	98
61) 1,2-Dibromoethane	11.465	107	42203	19.954	ug/l	99
64) Tetrachloroethene	11.100	164	43012	19.474	ug/l	98
65) Chlorobenzene	11.888	112	125844	19.639	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	41088	19.436	ug/l	98
67) Ethyl Benzene	11.959	91	212145	18.346	ug/l	100
68) m/p-Xylenes	12.070	106	166628	38.457	ug/l	96
69) o-Xylene	12.394	106	80992	18.902	ug/l	98
70) Styrene	12.406	104	134117	18.785	ug/l	99
71) Bromoform	12.576	173	29834	18.744	ug/l #	100
73) Isopropylbenzene	12.694	105	195841	18.318	ug/l	99
74) N-amyl acetate	12.488	43	86254	16.206	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	59745	19.435	ug/l	97
76) 1,2,3-Trichloropropane	12.988	75	56573m	18.342	ug/l	
77) Bromobenzene	12.976	156	48537	20.489	ug/l	90
78) n-propylbenzene	13.029	91	230450	18.292	ug/l	100
79) 2-Chlorotoluene	13.123	91	145004	18.394	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	158448	18.107	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	19983	15.560	ug/l	95
82) 4-Chlorotoluene	13.217	91	146285	18.680	ug/l	99
83) tert-Butylbenzene	13.435	119	138752	18.300	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	163682	18.376	ug/l	99
85) sec-Butylbenzene	13.612	105	194779	18.520	ug/l	99
86) p-Isopropyltoluene	13.723	119	159208	18.366	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	86802	19.492	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	87298	19.463	ug/l	99
89) n-Butylbenzene	14.053	91	135575	17.644	ug/l	99
90) Hexachloroethane	14.329	117	25547	17.521	ug/l	98
91) 1,2-Dichlorobenzene	14.100	146	82749	19.166	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10408	16.792	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	38802	18.768	ug/l	98
94) Hexachlorobutadiene	15.494	225	14556	18.651	ug/l	98
95) Naphthalene	15.635	128	126675	17.285	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	37230	19.021	ug/l	98

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

