

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051425\
 Data File : VN086620.D
 Acq On : 14 May 2025 12:32
 Operator : JC\MD
 Sample : VN0514MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/15/2025
 Supervised By : Mahesh Dadoda 05/15/2025

Quant Time: May 15 03:01:16 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	152839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	281165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	251766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	112207	50.628	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.260%			
35) Dibromofluoromethane	8.159	113	84294	64.597	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 129.200%#			
50) Toluene-d8	10.565	98	341143	48.915	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.840%			
62) 4-Bromofluorobenzene	12.847	95	123155	48.415	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	42191	23.287	ug/l	96
3) Chloromethane	2.359	50	54927	20.860	ug/l	98
4) Vinyl Chloride	2.512	62	50954	20.278	ug/l	98
5) Bromomethane	2.959	94	30391	26.888	ug/l	97
6) Chloroethane	3.118	64	33832	20.117	ug/l	97
7) Trichlorofluoromethane	3.501	101	61403	22.061	ug/l	97
8) Diethyl Ether	3.959	74	25516	20.999	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.365	101	37837	22.472	ug/l	99
10) Methyl Iodide	4.589	142	42224	22.809	ug/l	97
11) Tert butyl alcohol	5.512	59	41687	103.088	ug/l	99
12) 1,1-Dichloroethene	4.342	96	36373	20.220	ug/l	98
13) Acrolein	4.183	56	21427	104.874	ug/l	96
14) Allyl chloride	5.024	41	57169	17.877	ug/l	99
15) Acrylonitrile	5.712	53	106681	106.718	ug/l	99
16) Acetone	4.424	43	86593	109.806	ug/l	97
17) Carbon Disulfide	4.712	76	101126	18.775	ug/l	99
18) Methyl Acetate	5.024	43	50011	18.798	ug/l	97
19) Methyl tert-butyl Ether	5.795	73	138203	20.900	ug/l	97
20) Methylene Chloride	5.277	84	45151	22.037	ug/l	90
21) trans-1,2-Dichloroethene	5.789	96	39989	21.263	ug/l	94
22) Diisopropyl ether	6.671	45	137449	19.758	ug/l	98
23) Vinyl Acetate	6.600	43	512489	105.385	ug/l	97
24) 1,1-Dichloroethane	6.571	63	76555	20.857	ug/l	99
25) 2-Butanone	7.477	43	139943	101.442	ug/l	99
26) 2,2-Dichloropropane	7.489	77	65694	19.990	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	49085	21.028	ug/l	97
28) Bromochloromethane	7.812	49	34645	22.261	ug/l	94
29) Tetrahydrofuran	7.836	42	92052	99.785	ug/l	96
30) Chloroform	7.965	83	77118	21.388	ug/l	95
31) Cyclohexane	8.259	56	68689	19.124	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	65189	21.134	ug/l	98
36) 1,1-Dichloropropene	8.371	75	56575	21.706	ug/l	99
37) Ethyl Acetate	7.559	43	57162	20.832	ug/l	99
38) Carbon Tetrachloride	8.359	117	55274	22.269	ug/l	97
39) Methylcyclohexane	9.600	83	60350	19.481	ug/l	96
40) Benzene	8.600	78	181070	21.683	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	30747	19.334	ug/l	95
42) 1,2-Dichloroethane	8.665	62	60361	22.667	ug/l	100
43) Isopropyl Acetate	8.683	43	110195	21.027	ug/l	99
44) Trichloroethene	9.347	130	44049	22.255	ug/l	98
45) 1,2-Dichloropropane	9.618	63	44413	21.727	ug/l	96
46) Dibromomethane	9.706	93	30303	23.267	ug/l	97
47) Bromodichloromethane	9.883	83	61573	21.889	ug/l	97
48) Methyl methacrylate	9.677	41	45510	18.886	ug/l	95
49) 1,4-Dioxane	9.688	88	18185	443.665	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	291587	103.773	ug/l	99
52) Toluene	10.624	92	112623	21.614	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	67341	21.446	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	72120	20.911	ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	43006	22.940	ug/l	96
56) Ethyl methacrylate	10.871	69	69325	20.117	ug/l	98
57) 1,3-Dichloropropane	11.159	76	74535	22.408	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	147021	89.888	ug/l	97
59) 2-Hexanone	11.194	43	215248	103.278	ug/l	99
60) Dibromochloromethane	11.353	129	46028	22.359	ug/l	100
61) 1,2-Dibromoethane	11.465	107	43654	23.077	ug/l	98
64) Tetrachloroethene	11.100	164	42820	22.111	ug/l	99
65) Chlorobenzene	11.888	112	123554	21.990	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	41674	22.483	ug/l	100
67) Ethyl Benzene	11.959	91	212889	20.997	ug/l	100
68) m/p-Xylenes	12.065	106	162209	42.698	ug/l	97
69) o-Xylene	12.394	106	79954	21.281	ug/l	96
70) Styrene	12.406	104	133191	21.277	ug/l	97
71) Bromoform	12.576	173	29999	21.496	ug/l #	97
73) Isopropylbenzene	12.694	105	193018	19.715	ug/l	99
74) N-amyl acetate	12.488	43	85445	17.531	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	60257	21.405	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	50612m	17.920	ug/l	
77) Bromobenzene	12.976	156	48098	22.172	ug/l	93
78) n-propylbenzene	13.035	91	228577	19.813	ug/l	100
79) 2-Chlorotoluene	13.123	91	144165	19.970	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	159702	19.930	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	21601	18.368	ug/l	94
82) 4-Chlorotoluene	13.218	91	146188	20.385	ug/l	98
83) tert-Butylbenzene	13.435	119	135940	19.578	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	161961	19.856	ug/l	100
85) sec-Butylbenzene	13.612	105	191096	19.842	ug/l	99
86) p-Isopropyltoluene	13.723	119	157819	19.881	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	87144	21.369	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	88221	21.478	ug/l	98
89) n-Butylbenzene	14.053	91	135056	19.194	ug/l	99
90) Hexachloroethane	14.329	117	26322	19.713	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	86266	21.819	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.712	75	10898	19.200	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	37825	19.979	ug/l	99
94) Hexachlorobutadiene	15.500	225	15338	21.462	ug/l	98
95) Naphthalene	15.635	128	127994	19.072	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	36674	20.461	ug/l	99

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

