

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
 Data File : VN086747.D
 Acq On : 21 May 2025 21:30
 Operator : JC\MD
 Sample : VN0521MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/22/2025
 Supervised By : Mahesh Dadoda 05/22/2025

Quant Time: May 22 01:33:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	275246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	481961	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	424246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	189299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	160388	42.170	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.340%		
35) Dibromofluoromethane	8.165	113	137927	48.053	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.100%		
50) Toluene-d8	10.565	98	578294	48.618	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.240%		
62) 4-Bromofluorobenzene	12.847	95	204726	48.745	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	50556	17.008	ug/l	100
3) Chloromethane	2.359	50	64630	14.375	ug/l	100
4) Vinyl Chloride	2.512	62	61267	15.174	ug/l	94
5) Bromomethane	2.959	94	35280	15.157	ug/l	95
6) Chloroethane	3.124	64	38989	14.740	ug/l	95
7) Trichlorofluoromethane	3.500	101	79318	16.438	ug/l	94
8) Diethyl Ether	3.959	74	33729	16.921	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	48268	16.709	ug/l	96
10) Methyl Iodide	4.589	142	57276	15.939	ug/l	98
11) Tert butyl alcohol	5.512	59	50231	72.516	ug/l	98
12) 1,1-Dichloroethene	4.342	96	50216	16.357	ug/l	91
13) Acrolein	4.177	56	49902	67.389	ug/l	99
14) Allyl chloride	5.024	41	68230	14.683	ug/l	93
15) Acrylonitrile	5.718	53	130192	75.910	ug/l	98
16) Acetone	4.430	43	97634	68.625	ug/l	96
17) Carbon Disulfide	4.712	76	130601	15.365	ug/l	99
18) Methyl Acetate	5.024	43	58449	14.678	ug/l	95
19) Methyl tert-butyl Ether	5.794	73	173996	16.645	ug/l	100
20) Methylene Chloride	5.277	84	58413	15.559	ug/l	94
21) trans-1,2-Dichloroethene	5.788	96	53815	16.580	ug/l	91
22) Diisopropyl ether	6.671	45	162378	15.489	ug/l	96
23) Vinyl Acetate	6.600	43	568629	72.171	ug/l	96
24) 1,1-Dichloroethane	6.565	63	95746	15.556	ug/l	98
25) 2-Butanone	7.482	43	158862	72.259	ug/l	94
26) 2,2-Dichloropropane	7.488	77	72861	14.345	ug/l	98
27) cis-1,2-Dichloroethene	7.482	96	65078	16.334	ug/l	96
28) Bromochloromethane	7.812	49	46959	16.792	ug/l	85
29) Tetrahydrofuran	7.835	42	105982	73.855	ug/l	95
30) Chloroform	7.965	83	96782	15.710	ug/l	94
31) Cyclohexane	8.253	56	87198	15.276	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	86498	16.653	ug/l	94
36) 1,1-Dichloropropene	8.365	75	70028	16.540	ug/l	98
37) Ethyl Acetate	7.559	43	63058	14.744	ug/l	97
38) Carbon Tetrachloride	8.359	117	71824	17.218	ug/l	97
39) Methylcyclohexane	9.594	83	78862	17.210	ug/l	99
40) Benzene	8.600	78	233387	16.898	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	34562	14.967	ug/l	94
42) 1,2-Dichloroethane	8.665	62	68532	15.927	ug/l	96
43) Isopropyl Acetate	8.682	43	124703	14.545	ug/l	99
44) Trichloroethene	9.347	130	60125	18.049	ug/l	96
45) 1,2-Dichloropropane	9.618	63	55021	16.770	ug/l	93
46) Dibromomethane	9.706	93	38010	17.169	ug/l	97
47) Bromodichloromethane	9.882	83	77152	16.914	ug/l	97
48) Methyl methacrylate	9.676	41	51273	15.433	ug/l	94
49) 1,4-Dioxane	9.688	88	22436	318.929	ug/l #	95
51) 4-Methyl-2-Pentanone	10.441	43	328356	75.946	ug/l	95
52) Toluene	10.623	92	149146	17.375	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	80742	16.718	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	87507	16.598	ug/l	93
55) 1,1,2-Trichloroethane	11.012	97	54060	16.883	ug/l	94
56) Ethyl methacrylate	10.871	69	89135	17.337	ug/l	94
57) 1,3-Dichloropropane	11.159	76	91290	16.549	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	195413	85.044	ug/l	95
59) 2-Hexanone	11.194	43	241933	76.626	ug/l	96
60) Dibromochloromethane	11.353	129	60236	17.950	ug/l	97
61) 1,2-Dibromoethane	11.465	107	55795	17.340	ug/l	99
64) Tetrachloroethene	11.100	164	62414	19.205	ug/l	97
65) Chlorobenzene	11.888	112	164695	17.704	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	54932	18.291	ug/l	98
67) Ethyl Benzene	11.959	91	279056	17.513	ug/l	97
68) m/p-Xylenes	12.065	106	220780	36.581	ug/l	96
69) o-Xylene	12.394	106	111521	18.586	ug/l	99
70) Styrene	12.406	104	182328	18.560	ug/l	98
71) Bromoform	12.576	173	39557	18.521	ug/l #	97
73) Isopropylbenzene	12.694	105	261517	17.887	ug/l	99
74) N-amyl acetate	12.488	43	94232	15.426	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	71470	15.912	ug/l	97
76) 1,2,3-Trichloropropane	12.988	75	84816m	19.811	ug/l	
77) Bromobenzene	12.976	156	63826	17.355	ug/l	94
78) n-propylbenzene	13.029	91	291868	17.395	ug/l	98
79) 2-Chlorotoluene	13.123	91	186328	17.080	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	209290	17.867	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	28784	16.968	ug/l	93
82) 4-Chlorotoluene	13.217	91	181610	16.803	ug/l	98
83) tert-Butylbenzene	13.435	119	184018	18.014	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	211711	18.150	ug/l	99
85) sec-Butylbenzene	13.612	105	251061	18.329	ug/l	98
86) p-Isopropyltoluene	13.723	119	208133	18.538	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	110728	17.387	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	111114	17.610	ug/l	100
89) n-Butylbenzene	14.053	91	168106	18.061	ug/l	98
90) Hexachloroethane	14.329	117	32611	17.506	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	108885	17.976	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12587	16.916	ug/l	91
93) 1,2,4-Trichlorobenzene	15.388	180	47954	18.755	ug/l	99
94) Hexachlorobutadiene	15.500	225	19095	18.000	ug/l	97
95) Naphthalene	15.635	128	204043	22.983	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	46744	18.668	ug/l	99

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

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