

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
 Data File : VN086556.D
 Acq On : 09 May 2025 12:22
 Operator : JC\MD
 Sample : VN0509MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS01

Manual Integrations
 APPROVED

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

Quant Time: May 09 23:25:03 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	191917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	342060	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	304056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	134460	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127308	45.745	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.500%		
35) Dibromofluoromethane	8.165	113	97867	61.647	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	123.300%		
50) Toluene-d8	10.565	98	401664	47.340	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.680%		
62) 4-Bromofluorobenzene	12.847	95	140225	45.311	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	90.620%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	43369	19.063	ug/l	98
3) Chloromethane	2.359	50	52977	16.022	ug/l	96
4) Vinyl Chloride	2.518	62	53165	16.850	ug/l	96
5) Bromomethane	2.959	94	31406	22.129	ug/l	99
6) Chloroethane	3.118	64	34247	16.218	ug/l	98
7) Trichlorofluoromethane	3.501	101	65933	18.865	ug/l	97
8) Diethyl Ether	3.959	74	25068	16.430	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.377	101	39116	18.501	ug/l	96
10) Methyl Iodide	4.589	142	47204	20.307	ug/l	98
11) Tert butyl alcohol	5.512	59	40340	79.444	ug/l	98
12) 1,1-Dichloroethene	4.342	96	39197	17.353	ug/l	98
13) Acrolein	4.177	56	24392	93.577	ug/l	94
14) Allyl chloride	5.018	41	54977m	13.691	ug/l	
15) Acrylonitrile	5.712	53	102153	81.381	ug/l	99
16) Acetone	4.424	43	81510	80.852	ug/l	90
17) Carbon Disulfide	4.712	76	110390	16.321	ug/l	99
18) Methyl Acetate	5.024	43	44241	13.243	ug/l	96
19) Methyl tert-butyl Ether	5.795	73	137179	16.521	ug/l	96
20) Methylene Chloride	5.277	84	45082	17.523	ug/l	94
21) trans-1,2-Dichloroethene	5.789	96	41252	17.468	ug/l	93
22) Diisopropyl ether	6.671	45	132960	15.221	ug/l	97
23) Vinyl Acetate	6.600	43	501908	82.194	ug/l	96
24) 1,1-Dichloroethane	6.565	63	76712	16.644	ug/l	95
25) 2-Butanone	7.477	43	134158	77.447	ug/l	96
26) 2,2-Dichloropropane	7.489	77	71206	17.255	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	51769	17.662	ug/l	93
28) Bromochloromethane	7.812	49	35249	18.037	ug/l	87
29) Tetrahydrofuran	7.836	42	88067	76.027	ug/l	94
30) Chloroform	7.965	83	79851	17.637	ug/l	97
31) Cyclohexane	8.259	56	73907	16.387	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	69389	17.915	ug/l	93
36) 1,1-Dichloropropene	8.365	75	57590	18.162	ug/l	99
37) Ethyl Acetate	7.559	43	54401	16.296	ug/l	98
38) Carbon Tetrachloride	8.359	117	58811	19.476	ug/l	97
39) Methylcyclohexane	9.594	83	64973	17.239	ug/l	96
40) Benzene	8.600	78	182706	17.984	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	31434	16.247	ug/l	98
42) 1,2-Dichloroethane	8.671	62	60752	18.752	ug/l	99
43) Isopropyl Acetate	8.683	43	102676	15.612	ug/l	99
44) Trichloroethene	9.347	130	46573	19.341	ug/l	95
45) 1,2-Dichloropropane	9.618	63	42663	17.156	ug/l	98
46) Dibromomethane	9.706	93	30916	19.512	ug/l	95
47) Bromodichloromethane	9.883	83	62339	18.216	ug/l	98
48) Methyl methacrylate	9.677	41	44861	15.303	ug/l	94
49) 1,4-Dioxane	9.688	88	17468	350.303	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	286781	83.893	ug/l	99
52) Toluene	10.630	92	116708	18.411	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	66388	17.379	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	71171	16.962	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	43235	18.956	ug/l	98
56) Ethyl methacrylate	10.871	69	69420	16.559	ug/l	98
57) 1,3-Dichloropropane	11.159	76	73295	18.113	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	161510	81.167	ug/l	96
59) 2-Hexanone	11.194	43	207905	81.996	ug/l	99
60) Dibromochloromethane	11.359	129	46622	18.615	ug/l	98
61) 1,2-Dibromoethane	11.465	107	44236	19.222	ug/l	100
64) Tetrachloroethene	11.100	164	44891	19.194	ug/l	96
65) Chlorobenzene	11.888	112	126793	18.686	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	43245	19.319	ug/l	98
67) Ethyl Benzene	11.959	91	223281	18.235	ug/l	100
68) m/p-Xylenes	12.071	106	169960	37.044	ug/l	97
69) o-Xylene	12.394	106	82309	18.141	ug/l	99
70) Styrene	12.406	104	136525	18.059	ug/l	99
71) Bromoform	12.576	173	30600	18.156	ug/l #	99
73) Isopropylbenzene	12.694	105	205237	18.659	ug/l	99
74) N-amyl acetate	12.488	43	85115	15.544	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	59946	18.955	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	54602m	17.208	ug/l	
77) Bromobenzene	12.976	156	48266	19.805	ug/l	90
78) n-propylbenzene	13.029	91	233812	18.040	ug/l	99
79) 2-Chlorotoluene	13.123	91	148762	18.342	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	164506	18.273	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	20303	15.367	ug/l	94
82) 4-Chlorotoluene	13.218	91	145239	18.028	ug/l	100
83) tert-Butylbenzene	13.435	119	141363	18.122	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	165535	18.064	ug/l	99
85) sec-Butylbenzene	13.612	105	194424	17.969	ug/l	97
86) p-Isopropyltoluene	13.723	119	159476	17.882	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	86163	18.807	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	87066	18.868	ug/l	98
89) n-Butylbenzene	14.053	91	135039	17.083	ug/l	99
90) Hexachloroethane	14.329	117	25637	17.090	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	83208	18.733	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10491	16.452	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	37767	17.757	ug/l	97
94) Hexachlorobutadiene	15.494	225	14958	18.630	ug/l	98
95) Naphthalene	15.635	128	124836	16.557	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	36493	18.123	ug/l	99

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

