

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088440.D
 Acq On : 04 Dec 2025 13:11
 Operator : JC\MD
 Sample : VN1204MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/05/2025
 Supervised By : Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 00:13:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	284523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	511804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	460578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	228963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	292790	54.627	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.260%			
35) Dibromofluoromethane	8.147	113	191157	53.896	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.800%			
50) Toluene-d8	10.541	98	710342	53.827	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.660%			
62) 4-Bromofluorobenzene	12.829	95	244760	54.054	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	83981	19.651	ug/l	98
3) Chloromethane	2.383	50	82045	17.875	ug/l	99
4) Vinyl Chloride	2.542	62	85572	18.326	ug/l	95
5) Bromomethane	2.989	94	40822	18.164	ug/l	100
6) Chloroethane	3.148	64	53960	18.674	ug/l	94
7) Trichlorofluoromethane	3.512	101	127267	19.392	ug/l	97
8) Diethyl Ether	3.965	74	44841	18.204	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	67464	19.310	ug/l	97
10) Methyl Iodide	4.589	142	52610	15.211	ug/l	96
11) Tert butyl alcohol	5.506	59	70139	81.964	ug/l #	82
12) 1,1-Dichloroethene	4.342	96	63720	18.357	ug/l	97
13) Acrolein	4.171	56	71071	86.750	ug/l	97
14) Allyl chloride	5.012	41	112303	17.455	ug/l	99
15) Acrylonitrile	5.712	53	219543	88.922	ug/l	98
16) Acetone	4.424	43	167355	86.337	ug/l	99
17) Carbon Disulfide	4.706	76	201473	17.762	ug/l	99
18) Methyl Acetate	5.018	43	102572	17.777	ug/l	99
19) Methyl tert-butyl Ether	5.777	73	234952	18.066	ug/l	95
20) Methylene Chloride	5.271	84	72781	17.549	ug/l	98
21) trans-1,2-Dichloroethene	5.771	96	69503	18.075	ug/l	96
22) Diisopropyl ether	6.653	45	267174	19.451	ug/l	96
23) Vinyl Acetate	6.589	43	1132011	102.288	ug/l	98
24) 1,1-Dichloroethane	6.547	63	145286	18.677	ug/l	98
25) 2-Butanone	7.465	43	276936	88.870	ug/l	98
26) 2,2-Dichloropropane	7.471	77	130633	19.456	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	81789	18.302	ug/l	99
28) Bromochloromethane	7.794	49	76021	19.618	ug/l	99
29) Tetrahydrofuran	7.824	42	200332	89.627	ug/l	98
30) Chloroform	7.947	83	150669	19.712	ug/l	98
31) Cyclohexane	8.236	56	131261	18.621	ug/l	95
32) 1,1,1-Trichloroethane	8.147	97	128719	19.153	ug/l	98
36) 1,1-Dichloropropene	8.353	75	102190	18.669	ug/l	97
37) Ethyl Acetate	7.547	43	129833	18.039	ug/l	100
38) Carbon Tetrachloride	8.341	117	108103	19.839	ug/l	96
39) Methylcyclohexane	9.577	83	103667	17.706	ug/l	95
40) Benzene	8.588	78	301936	18.794	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	61207	17.170	ug/l	97
42) 1,2-Dichloroethane	8.653	62	125001	20.393	ug/l	98
43) Isopropyl Acetate	8.671	43	198068	18.011	ug/l	99
44) Trichloroethene	9.330	130	66815	17.601	ug/l	98
45) 1,2-Dichloropropane	9.600	63	78156	18.988	ug/l	93
46) Dibromomethane	9.688	93	57836	19.689	ug/l	98
47) Bromodichloromethane	9.865	83	119946	20.012	ug/l	93
48) Methyl methacrylate	9.659	41	89246	17.787	ug/l	98
49) 1,4-Dioxane	9.683	88	23166	363.052	ug/l #	98
51) 4-Methyl-2-Pentanone	10.424	43	622342	96.013	ug/l	100
52) Toluene	10.606	92	184006	19.835	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	113643	18.472	ug/l	99
54) cis-1,3-Dichloropropene	10.288	75	124206	19.198	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	69117	19.257	ug/l	99
56) Ethyl methacrylate	10.859	69	103870	18.321	ug/l	96
57) 1,3-Dichloropropane	11.141	76	123158	19.021	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.135	63	287394	87.928	ug/l	99
59) 2-Hexanone	11.177	43	372396	91.201	ug/l	100
60) Dibromochloromethane	11.335	129	82193	20.088	ug/l	99
61) 1,2-Dibromoethane	11.447	107	68824	18.936	ug/l	97
64) Tetrachloroethene	11.082	164	62353	17.077	ug/l	97
65) Chlorobenzene	11.871	112	192273	18.585	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.935	131	65680	18.824	ug/l	97
67) Ethyl Benzene	11.941	91	335210	18.539	ug/l	98
68) m/p-Xylenes	12.047	106	246386	36.751	ug/l	97
69) o-Xylene	12.376	106	112668	17.628	ug/l	98
70) Styrene	12.388	104	195869	18.874	ug/l	99
71) Bromoform	12.559	173	48860	19.118	ug/l #	100
73) Isopropylbenzene	12.671	105	296837	17.534	ug/l	99
74) N-amyl acetate	12.688	43	95665m	16.593	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.912	83	102052	18.647	ug/l	100
76) 1,2,3-Trichloropropane	12.971	75	103932m	19.380	ug/l	
77) Bromobenzene	12.959	156	72973	18.839	ug/l	99
78) n-propylbenzene	13.012	91	384732	18.576	ug/l	100
79) 2-Chlorotoluene	13.100	91	228690	18.082	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	259557	18.503	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	32875	17.391	ug/l #	99
82) 4-Chlorotoluene	13.200	91	239177	19.040	ug/l	98
83) tert-Butylbenzene	13.412	119	214557	17.992	ug/l	100
84) 1,2,4-Trimethylbenzene	13.459	105	262441	18.822	ug/l	99
85) sec-Butylbenzene	13.594	105	315370	18.409	ug/l	99
86) p-Isopropyltoluene	13.706	119	258551	18.405	ug/l	100
87) 1,3-Dichlorobenzene	13.712	146	135518	17.973	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	143385	18.154	ug/l	97
89) n-Butylbenzene	14.035	91	246656	18.083	ug/l	98
90) Hexachloroethane	14.306	117	46731	18.210	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	128181	18.065	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	23318	17.560	ug/l	96
93) 1,2,4-Trichlorobenzene	15.370	180	69507	16.486	ug/l	95
94) Hexachlorobutadiene	15.476	225	27388	18.078	ug/l	93
95) Naphthalene	15.617	128	230687	15.790	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	69472	16.932	ug/l	98

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

