

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088177.D
 Acq On : 31 Oct 2025 11:14
 Operator : JC\MD
 Sample : VN1031MBSD01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031MBSD01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/03/2025
 Supervised By :Semsettin Yesilyurt 11/03/2025

Quant Time: Nov 01 00:29:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	337104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	608484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	536775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	261410	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	306596	52.596	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.200%	
35) Dibromofluoromethane	8.153	113	209579	51.269	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.540%	
50) Toluene-d8	10.547	98	790392	50.180	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.360%	
62) 4-Bromofluorobenzene	12.829	95	288640	51.888	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.780%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	70545	18.552	ug/l	97
3) Chloromethane	2.383	50	78949	17.648	ug/l	98
4) Vinyl Chloride	2.536	62	91996	18.874	ug/l	98
5) Bromomethane	2.983	94	50880	17.452	ug/l	95
6) Chloroethane	3.136	64	58708	16.717	ug/l	94
7) Trichlorofluoromethane	3.512	101	138045	17.757	ug/l	98
8) Diethyl Ether	3.959	74	56258	19.471	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	76283	19.016	ug/l	98
10) Methyl Iodide	4.589	142	64568	19.157	ug/l	96
11) Tert butyl alcohol	5.518	59	104237	103.796	ug/l	98
12) 1,1-Dichloroethene	4.336	96	74880	17.673	ug/l	99
13) Acrolein	4.171	56	127183	112.591	ug/l	99
14) Allyl chloride	5.012	41	137019	18.450	ug/l	95
15) Acrylonitrile	5.706	53	281767	103.003	ug/l	99
16) Acetone	4.418	43	272000	92.880	ug/l	97
17) Carbon Disulfide	4.706	76	215158	16.705	ug/l	96
18) Methyl Acetate	5.018	43	125915	21.002	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	320734	20.612	ug/l	96
20) Methylene Chloride	5.259	84	90771	20.379	ug/l	95
21) trans-1,2-Dichloroethene	5.771	96	84125	18.088	ug/l	92
22) Diisopropyl ether	6.653	45	320652	20.530	ug/l	99
23) Vinyl Acetate	6.589	43	1474692	104.820	ug/l	100
24) 1,1-Dichloroethane	6.559	63	172558	19.945	ug/l	99
25) 2-Butanone	7.471	43	398242	103.189	ug/l	97
26) 2,2-Dichloropropane	7.477	77	150359	19.124	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	103273	19.289	ug/l	95
28) Bromochloromethane	7.794	49	79550	19.460	ug/l	98
29) Tetrahydrofuran	7.824	42	256109	101.826	ug/l	99
30) Chloroform	7.947	83	175364	20.290	ug/l	96
31) Cyclohexane	8.236	56	155389	19.043	ug/l	96
32) 1,1,1-Trichloroethane	8.147	97	150382	19.535	ug/l	92
36) 1,1-Dichloropropene	8.347	75	121538	20.363	ug/l	99
37) Ethyl Acetate	7.547	43	152280	19.770	ug/l	96
38) Carbon Tetrachloride	8.341	117	126017	20.442	ug/l	95
39) Methylcyclohexane	9.583	83	139022	18.121	ug/l	98
40) Benzene	8.588	78	375489	20.657	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	83587	20.619	ug/l	99
42) 1,2-Dichloroethane	8.653	62	144128	22.315	ug/l	100
43) Isopropyl Acetate	8.671	43	253867	21.449	ug/l	99
44) Trichloroethene	9.335	130	84247	19.829	ug/l	98
45) 1,2-Dichloropropane	9.600	63	94956	20.692	ug/l	99
46) Dibromomethane	9.688	93	69918	21.362	ug/l	99
47) Bromodichloromethane	9.871	83	137790	21.028	ug/l #	99
48) Methyl methacrylate	9.659	41	122238	22.370	ug/l	100
49) 1,4-Dioxane	9.677	88	28810	423.910	ug/l #	93
51) 4-Methyl-2-Pentanone	10.424	43	770613	110.058	ug/l	100
52) Toluene	10.606	92	226951	20.250	ug/l	96
53) t-1,3-Dichloropropene	10.818	75	144226	20.680	ug/l	97
54) cis-1,3-Dichloropropene	10.288	75	155927	21.069	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	86210	20.276	ug/l	96
56) Ethyl methacrylate	10.853	69	147675	21.947	ug/l	97
57) 1,3-Dichloropropane	11.141	76	157352	21.055	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	363135	103.755	ug/l	100
59) 2-Hexanone	11.177	43	482594	103.898	ug/l	96
60) Dibromochloromethane	11.335	129	96135	19.892	ug/l	99
61) 1,2-Dibromoethane	11.447	107	90987	20.793	ug/l	99
64) Tetrachloroethene	11.082	164	69872	19.734	ug/l	96
65) Chlorobenzene	11.871	112	240563	19.737	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.941	131	80452	20.147	ug/l	99
67) Ethyl Benzene	11.941	91	435941	20.376	ug/l	99
68) m/p-Xylenes	12.053	106	320392	39.968	ug/l	100
69) o-Xylene	12.376	106	158756	20.892	ug/l	96
70) Styrene	12.388	104	257361	20.769	ug/l	97
71) Bromoform	12.559	173	59912	20.105	ug/l #	99
73) Isopropylbenzene	12.676	105	408249	20.249	ug/l	99
74) N-amyl acetate	12.594	43	112636m	19.680	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	128993	20.550	ug/l	94
76) 1,2,3-Trichloropropane	12.971	75	112767m	18.868	ug/l	
77) Bromobenzene	12.959	156	92765	21.337	ug/l	97
78) n-propylbenzene	13.012	91	495820	20.152	ug/l	98
79) 2-Chlorotoluene	13.106	91	293250	20.899	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	336463	20.094	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	38767	18.094	ug/l	96
82) 4-Chlorotoluene	13.200	91	307735	20.271	ug/l	98
83) tert-Butylbenzene	13.418	119	284425	19.015	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	345947	20.650	ug/l	98
85) sec-Butylbenzene	13.594	105	410642	18.686	ug/l	99
86) p-Isopropyltoluene	13.706	119	340624	19.321	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	173236	19.960	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	179991	19.308	ug/l	96
89) n-Butylbenzene	14.035	91	317525	18.183	ug/l	99
90) Hexachloroethane	14.312	117	60477	17.715	ug/l	95
91) 1,2-Dichlorobenzene	14.082	146	170969	20.435	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	30149	20.636	ug/l	93
93) 1,2,4-Trichlorobenzene	15.370	180	95242	18.797	ug/l	98
94) Hexachlorobutadiene	15.476	225	32969	17.473	ug/l	99
95) Naphthalene	15.612	128	340202	19.600	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	89606	18.444	ug/l	99

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

