

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091825\
 Data File : VN087892.D
 Acq On : 18 Sep 2025 13:28
 Operator : JC\MD
 Sample : VN0918MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/19/2025
 Supervised By : Mahesh Dadoda 09/19/2025

Quant Time: Sep 19 03:06:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	215723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	410284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	391358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	205612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	196602	44.481	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.960%		
35) Dibromofluoromethane	8.147	113	150438	50.785	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.580%		
50) Toluene-d8	10.547	98	518979	46.809	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.620%		
62) 4-Bromofluorobenzene	12.829	95	190917	48.420	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.840%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	54121	17.664	ug/l	97
3) Chloromethane	2.383	50	59277	18.826	ug/l	99
4) Vinyl Chloride	2.542	62	57178	15.662	ug/l	93
5) Bromomethane	2.983	94	32904	17.467	ug/l	87
6) Chloroethane	3.142	64	39476	15.385	ug/l	97
7) Trichlorofluoromethane	3.512	101	92068	17.213	ug/l	87
8) Diethyl Ether	3.959	74	39439	16.931	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.365	101	48863	16.145	ug/l	91
10) Methyl Iodide	4.583	142	31730	18.928	ug/l #	87
11) Tert butyl alcohol	5.524	59	68641	89.456	ug/l	100
12) 1,1-Dichloroethene	4.336	96	52540	16.893	ug/l	79
13) Acrolein	4.177	56	71341	75.628	ug/l	99
14) Allyl chloride	5.012	41	90885	16.125	ug/l	97
15) Acrylonitrile	5.706	53	199985	92.414	ug/l	98
16) Acetone	4.424	43	181871	75.589	ug/l	96
17) Carbon Disulfide	4.700	76	158155	18.471	ug/l #	92
18) Methyl Acetate	5.030	43	100383	19.926	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	215272	18.451	ug/l	99
20) Methylene Chloride	5.265	84	69838	19.305	ug/l	94
21) trans-1,2-Dichloroethene	5.777	96	62907	18.662	ug/l	98
22) Diisopropyl ether	6.659	45	215152	17.689	ug/l	95
23) Vinyl Acetate	6.589	43	965624	87.264	ug/l	96
24) 1,1-Dichloroethane	6.553	63	119368	17.900	ug/l	95
25) 2-Butanone	7.471	43	284058	89.736	ug/l	95
26) 2,2-Dichloropropane	7.471	77	100894	17.628	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	73738	18.299	ug/l	98
28) Bromochloromethane	7.794	49	61282	19.008	ug/l	92
29) Tetrahydrofuran	7.830	42	179023	87.879	ug/l	96
30) Chloroform	7.947	83	132968	19.535	ug/l	97
31) Cyclohexane	8.235	56	94063	16.920	ug/l	88
32) 1,1,1-Trichloroethane	8.147	97	109574	18.995	ug/l	92
36) 1,1-Dichloropropene	8.353	75	79980	17.600	ug/l	95
37) Ethyl Acetate	7.547	43	113191	18.228	ug/l	97
38) Carbon Tetrachloride	8.347	117	90444	20.158	ug/l	90
39) Methylcyclohexane	9.582	83	85020	16.993	ug/l	92
40) Benzene	8.588	78	271184	19.456	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091825\
 Data File : VN087892.D
 Acq On : 18 Sep 2025 13:28
 Operator : JC\MD
 Sample : VN0918MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/19/2025
 Supervised By : Mahesh Dadoda 09/19/2025

Quant Time: Sep 19 03:06:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	58048	18.046	ug/l	98
42) 1,2-Dichloroethane	8.653	62	102702	19.174	ug/l	99
43) Isopropyl Acetate	8.671	43	174457	17.994	ug/l	98
44) Trichloroethene	9.335	130	61040	19.181	ug/l	94
45) 1,2-Dichloropropane	9.600	63	66795	18.180	ug/l	95
46) Dibromomethane	9.688	93	51331	19.633	ug/l	92
47) Bromodichloromethane	9.871	83	105583	19.704	ug/l	96
48) Methyl methacrylate	9.665	41	76607	16.705	ug/l	92
49) 1,4-Dioxane	9.682	88	22454	377.761	ug/l #	97
51) 4-Methyl-2-Pentanone	10.424	43	552556	94.461	ug/l	98
52) Toluene	10.606	92	165410	19.142	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	104418	18.826	ug/l	89
54) cis-1,3-Dichloropropene	10.288	75	107138	18.604	ug/l	99
55) 1,1,2-Trichloroethane	11.000	97	68542	20.505	ug/l	96
56) Ethyl methacrylate	10.859	69	98611	18.459	ug/l	97
57) 1,3-Dichloropropane	11.141	76	116155	19.634	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	268064	92.709	ug/l	98
59) 2-Hexanone	11.176	43	359975	97.372	ug/l	100
60) Dibromochloromethane	11.335	129	80684	20.831	ug/l	98
61) 1,2-Dibromoethane	11.447	107	71844	20.383	ug/l	99
64) Tetrachloroethene	11.082	164	50231	18.500	ug/l	95
65) Chlorobenzene	11.871	112	186668	19.172	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.941	131	66548	20.588	ug/l	99
67) Ethyl Benzene	11.941	91	308913	18.325	ug/l	100
68) m/p-Xylenes	12.047	106	232514	37.608	ug/l	97
69) o-Xylene	12.376	106	112014	18.488	ug/l	95
70) Styrene	12.388	104	192705	18.985	ug/l	99
71) Bromoform	12.559	173	53015	21.386	ug/l #	97
73) Isopropylbenzene	12.676	105	285584	17.189	ug/l	98
74) N-amyl acetate	12.600	43	90796m	14.420	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	107904	18.864	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	89330m	18.527	ug/l	
77) Bromobenzene	12.959	156	76224	19.457	ug/l	89
78) n-propylbenzene	13.012	91	354171	17.306	ug/l	97
79) 2-Chlorotoluene	13.106	91	211205	17.149	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	248567	17.635	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.718	75	32625	17.913	ug/l	86
82) 4-Chlorotoluene	13.200	91	220775	17.050	ug/l	95
83) tert-Butylbenzene	13.417	119	209096	17.802	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	255191	18.086	ug/l	100
85) sec-Butylbenzene	13.594	105	308168	17.680	ug/l	99
86) p-Isopropyltoluene	13.706	119	248913	17.294	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	148846	19.294	ug/l	97
88) 1,4-Dichlorobenzene	13.788	146	152312	18.972	ug/l	98
89) n-Butylbenzene	14.035	91	227083	15.886	ug/l	99
90) Hexachloroethane	14.306	117	49408	18.019	ug/l	85
91) 1,2-Dichlorobenzene	14.088	146	138144	18.875	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	25171	18.524	ug/l	99
93) 1,2,4-Trichlorobenzene	15.364	180	81531	18.551	ug/l	97
94) Hexachlorobutadiene	15.476	225	29428	18.782	ug/l	97
95) Naphthalene	15.617	128	263685	16.939	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	78054	18.167	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091825\
Data File : VN087892.D
Acq On : 18 Sep 2025 13:28
Operator : JC\MD
Sample : VN0918MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0918MBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

Quant Time: Sep 19 03:06:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

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

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

