

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087584.D
 Acq On : 15 Aug 2025 16:02
 Operator : JC\MD
 Sample : VN0815MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815MBS01

Quant Time: Aug 18 05:45:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	260848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	520438	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	470615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	238094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	243295	54.969	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.940%			
35) Dibromofluoromethane	8.153	113	170992	47.630	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.260%			
50) Toluene-d8	10.547	98	613711	47.924	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.840%			
62) 4-Bromofluorobenzene	12.829	95	237971	50.299	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	65346	23.586	ug/l	93
3) Chloromethane	2.389	50	66322	19.036	ug/l	99
4) Vinyl Chloride	2.542	62	76063	21.968	ug/l	95
5) Bromomethane	2.983	94	34386	19.178	ug/l	93
6) Chloroethane	3.142	64	50058	22.169	ug/l	98
7) Trichlorofluoromethane	3.518	101	112288	21.932	ug/l	97
8) Diethyl Ether	3.959	74	51416	25.889	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.365	101	58644	22.313	ug/l	97
10) Methyl Iodide	4.589	142	34601	16.987	ug/l	90
11) Tert butyl alcohol	5.530	59	103134	122.719	ug/l	97
12) 1,1-Dichloroethene	4.341	96	64280	21.583	ug/l	95
13) Acrolein	4.177	56	58887	87.312	ug/l	98
14) Allyl chloride	5.018	41	111148	20.622	ug/l	90
15) Acrylonitrile	5.712	53	236403	103.661	ug/l	95
16) Acetone	4.424	43	232140	111.862	ug/l	97
17) Carbon Disulfide	4.706	76	154862	17.539	ug/l #	94
18) Methyl Acetate	5.018	43	135312	25.953	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	265235	24.162	ug/l	92
20) Methylene Chloride	5.259	84	75420	21.129	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	65630	19.544	ug/l	99
22) Diisopropyl ether	6.665	45	266514	23.573	ug/l	94
23) Vinyl Acetate	6.594	43	1082413m	109.467	ug/l	
24) 1,1-Dichloroethane	6.559	63	138465	21.229	ug/l	97
25) 2-Butanone	7.471	43	356054	111.043	ug/l	99
26) 2,2-Dichloropropane	7.477	77	112624	22.209	ug/l	98
27) cis-1,2-Dichloroethene	7.477	96	87392	22.604	ug/l	97
28) Bromochloromethane	7.800	49	64763	20.746	ug/l	92
29) Tetrahydrofuran	7.829	42	218654	104.971	ug/l	97
30) Chloroform	7.953	83	146917	22.503	ug/l	98
31) Cyclohexane	8.241	56	117517	21.597	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	123324	21.809	ug/l	93
36) 1,1-Dichloropropene	8.359	75	94048	19.829	ug/l	99
37) Ethyl Acetate	7.553	43	132266	19.309	ug/l	98
38) Carbon Tetrachloride	8.347	117	97562	18.673	ug/l	97
39) Methylcyclohexane	9.582	83	103251	20.107	ug/l	97
40) Benzene	8.588	78	301510	19.669	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087584.D
 Acq On : 15 Aug 2025 16:02
 Operator : JC\MD
 Sample : VN0815MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 05:45:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	75960	21.208	ug/l	97
42) 1,2-Dichloroethane	8.653	62	120774	20.776	ug/l	97
43) Isopropyl Acetate	8.676	43	228889	21.525	ug/l	99
44) Trichloroethene	9.335	130	66098	18.248	ug/l	91
45) 1,2-Dichloropropane	9.600	63	77317	19.850	ug/l	95
46) Dibromomethane	9.694	93	60003	20.575	ug/l	96
47) Bromodichloromethane	9.871	83	118544	20.180	ug/l	99
48) Methyl methacrylate	9.665	41	103306	21.580	ug/l	94
49) 1,4-Dioxane	9.688	88	31980	436.172	ug/l #	96
51) 4-Methyl-2-Pentanone	10.429	43	699469	104.003	ug/l	99
52) Toluene	10.612	92	184471	19.798	ug/l	92
53) t-1,3-Dichloropropene	10.818	75	121219	20.390	ug/l	98
54) cis-1,3-Dichloropropene	10.294	75	127242	20.721	ug/l #	83
55) 1,1,2-Trichloroethane	11.000	97	76530	20.288	ug/l	92
56) Ethyl methacrylate	10.853	69	132115	21.594	ug/l #	92
57) 1,3-Dichloropropane	11.141	76	135674	20.802	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	339618	109.752	ug/l	99
59) 2-Hexanone	11.182	43	463193	103.806	ug/l	98
60) Dibromochloromethane	11.341	129	81101	18.852	ug/l	99
61) 1,2-Dibromoethane	11.453	107	79998	20.170	ug/l	94
64) Tetrachloroethene	11.082	164	52128	17.210	ug/l	94
65) Chlorobenzene	11.870	112	204545	19.359	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.941	131	72500	20.180	ug/l	98
67) Ethyl Benzene	11.941	91	360051	20.700	ug/l	97
68) m/p-Xylenes	12.053	106	266723	40.951	ug/l	95
69) o-Xylene	12.376	106	131044	21.063	ug/l	93
70) Styrene	12.394	104	221982	21.209	ug/l	95
71) Bromoform	12.559	173	50211	17.299	ug/l #	98
73) Isopropylbenzene	12.676	105	340037	22.692	ug/l	97
74) N-amyl acetate	12.535	43	127172m	20.426	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	119858	21.257	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	118118m	22.123	ug/l	
77) Bromobenzene	12.959	156	80901	20.817	ug/l	95
78) n-propylbenzene	13.017	91	421612	22.362	ug/l	98
79) 2-Chlorotoluene	13.106	91	256199	22.111	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	281674	22.061	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.723	75	31462	16.124	ug/l	84
82) 4-Chlorotoluene	13.200	91	259966	21.549	ug/l	97
83) tert-Butylbenzene	13.417	119	244351	22.914	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	293923	22.543	ug/l	95
85) sec-Butylbenzene	13.594	105	357702	22.270	ug/l	99
86) p-Isopropyltoluene	13.706	119	295353	22.945	ug/l	98
87) 1,3-Dichlorobenzene	13.711	146	155759	20.421	ug/l	99
88) 1,4-Dichlorobenzene	13.794	146	159198	19.543	ug/l	97
89) n-Butylbenzene	14.035	91	289115	23.522	ug/l	98
90) Hexachloroethane	14.311	117	53190	19.503	ug/l	92
91) 1,2-Dichlorobenzene	14.082	146	150250	20.794	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	27999	18.913	ug/l	97
93) 1,2,4-Trichlorobenzene	15.370	180	90154	21.240	ug/l	98
94) Hexachlorobutadiene	15.476	225	33046	20.953	ug/l	96
95) Naphthalene	15.611	128	338816	22.533	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	88296	20.738	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
Data File : VN087584.D
Acq On : 15 Aug 2025 16:02
Operator : JC\MD
Sample : VN0815MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0815MBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 05:45:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

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

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

