

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087585.D
 Acq On : 15 Aug 2025 16:24
 Operator : JC\MD
 Sample : VN0815MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 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 05:46:33 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)

Internal Standards						
1) Pentafluorobenzene	8.212	168	276147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	525636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	474636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	233432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	243256	51.915	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.840%			
35) Dibromofluoromethane	8.153	113	170203	46.942	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.880%			
50) Toluene-d8	10.547	98	625727	48.379	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.760%			
62) 4-Bromofluorobenzene	12.829	95	241276	50.493	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	67677	23.074	ug/l	93
3) Chloromethane	2.383	50	66191	17.946	ug/l	96
4) Vinyl Chloride	2.542	62	75171	20.508	ug/l	92
5) Bromomethane	2.977	94	38014	20.027	ug/l	100
6) Chloroethane	3.142	64	51433	21.516	ug/l	93
7) Trichlorofluoromethane	3.506	101	119483	22.045	ug/l	98
8) Diethyl Ether	3.959	74	50449	23.995	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	67694	24.330	ug/l	96
10) Methyl Iodide	4.583	142	41178	18.397	ug/l	93
11) Tert butyl alcohol	5.535	59	102454	115.156	ug/l	98
12) 1,1-Dichloroethene	4.336	96	68370	21.685	ug/l	89
13) Acrolein	4.177	56	60467	84.687	ug/l	98
14) Allyl chloride	5.012	41	111534	19.547	ug/l	94
15) Acrylonitrile	5.706	53	248777	103.043	ug/l	100
16) Acetone	4.424	43	237323	108.024	ug/l	96
17) Carbon Disulfide	4.700	76	164882	17.639	ug/l #	94
18) Methyl Acetate	5.024	43	137715	24.950	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	270784	23.301	ug/l	92
20) Methylene Chloride	5.271	84	74071	19.554	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	67917	19.104	ug/l	96
22) Diisopropyl ether	6.665	45	271232	22.661	ug/l	97
23) Vinyl Acetate	6.594	43	1098488m	104.938	ug/l	
24) 1,1-Dichloroethane	6.559	63	141502	20.492	ug/l	98
25) 2-Butanone	7.471	43	356582	105.047	ug/l	99
26) 2,2-Dichloropropane	7.471	77	109859	20.463	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	87183	21.301	ug/l	97
28) Bromochloromethane	7.806	49	64645	19.561	ug/l	94
29) Tetrahydrofuran	7.829	42	236082	107.059	ug/l	99
30) Chloroform	7.953	83	152028	21.996	ug/l	99
31) Cyclohexane	8.235	56	123720	21.478	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	126499	21.132	ug/l	95
36) 1,1-Dichloropropene	8.359	75	98475	20.557	ug/l	99
37) Ethyl Acetate	7.553	43	137681	19.901	ug/l	96
38) Carbon Tetrachloride	8.341	117	102729	19.467	ug/l	98
39) Methylcyclohexane	9.582	83	115645	22.298	ug/l	98
40) Benzene	8.594	78	306498	19.796	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	74344	20.551	ug/l	97
42) 1,2-Dichloroethane	8.659	62	123804	21.086	ug/l	97
43) Isopropyl Acetate	8.676	43	226692	21.108	ug/l	98
44) Trichloroethene	9.335	130	69121	18.894	ug/l	85
45) 1,2-Dichloropropane	9.606	63	78012	19.830	ug/l	90
46) Dibromomethane	9.688	93	59234	20.111	ug/l	97
47) Bromodichloromethane	9.871	83	122308	20.615	ug/l	93
48) Methyl methacrylate	9.665	41	108034	22.345	ug/l	95
49) 1,4-Dioxane	9.688	88	32163	434.330	ug/l #	95
51) 4-Methyl-2-Pentanone	10.429	43	717019	105.558	ug/l	97
52) Toluene	10.612	92	190757	20.271	ug/l	95
53) t-1,3-Dichloropropene	10.818	75	122628	20.423	ug/l	96
54) cis-1,3-Dichloropropene	10.300	75	129276	20.844	ug/l	91
55) 1,1,2-Trichloroethane	10.994	97	80375	21.096	ug/l	92
56) Ethyl methacrylate	10.859	69	128774	20.872	ug/l #	91
57) 1,3-Dichloropropane	11.147	76	135674	20.597	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.141	63	343789	110.001	ug/l	100
59) 2-Hexanone	11.182	43	466849	103.591	ug/l	99
60) Dibromochloromethane	11.341	129	81808	18.828	ug/l	98
61) 1,2-Dibromoethane	11.447	107	80444	20.081	ug/l	95
64) Tetrachloroethene	11.082	164	57675	18.880	ug/l	92
65) Chlorobenzene	11.870	112	208709	19.586	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.941	131	71217	19.655	ug/l	99
67) Ethyl Benzene	11.941	91	370979	21.148	ug/l	98
68) m/p-Xylenes	12.053	106	272396	41.467	ug/l	92
69) o-Xylene	12.376	106	135061	21.524	ug/l	94
70) Styrene	12.394	104	224003	21.221	ug/l	96
71) Bromoform	12.559	173	53249	18.191	ug/l #	97
73) Isopropylbenzene	12.676	105	350424	23.852	ug/l	99
74) N-amyl acetate	12.523	43	133882m	21.933	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	123789	22.392	ug/l	98
76) 1,2,3-Trichloropropane	12.976	75	119257m	22.783	ug/l	
77) Bromobenzene	12.959	156	82375	21.619	ug/l	97
78) n-propylbenzene	13.017	91	435772	23.575	ug/l	98
79) 2-Chlorotoluene	13.106	91	255858	22.522	ug/l	96
80) 1,3,5-Trimethylbenzene	13.153	105	296745	23.706	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	31932	16.691	ug/l	96
82) 4-Chlorotoluene	13.200	91	263657	22.292	ug/l	99
83) tert-Butylbenzene	13.417	119	255181	24.408	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	301493	23.585	ug/l	97
85) sec-Butylbenzene	13.594	105	383393	24.346	ug/l	99
86) p-Isopropyltoluene	13.706	119	313687	24.856	ug/l	98
87) 1,3-Dichlorobenzene	13.711	146	157142	21.014	ug/l	99
88) 1,4-Dichlorobenzene	13.794	146	160420	20.086	ug/l	97
89) n-Butylbenzene	14.035	91	296957	24.642	ug/l	97
90) Hexachloroethane	14.311	117	54492	20.379	ug/l	94
91) 1,2-Dichlorobenzene	14.082	146	151398	21.371	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	30146	20.770	ug/l	97
93) 1,2,4-Trichlorobenzene	15.370	180	91840	22.070	ug/l	97
94) Hexachlorobutadiene	15.470	225	34843	22.534	ug/l	99
95) Naphthalene	15.611	128	342540	23.235	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	87514	20.965	ug/l	97

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

