

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032825\
 Data File : VN086165.D
 Acq On : 28 Mar 2025 21:06
 Operator : JC\MD
 Sample : VN0328MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0328MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/31/2025
 Supervised By : Mahesh Dadoda 03/31/2025

Quant Time: Mar 28 23:41:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	209462	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	346170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	311874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	153431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	138349	48.235	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.460%		
35) Dibromofluoromethane	8.165	113	118497	49.042	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.080%		
50) Toluene-d8	10.565	98	432605	49.332	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.660%		
62) 4-Bromofluorobenzene	12.847	95	152149	48.651	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	47248	17.026	ug/l	93
3) Chloromethane	2.359	50	49910	20.516	ug/l	98
4) Vinyl Chloride	2.512	62	48662	19.563	ug/l	97
5) Bromomethane	2.959	94	31682	18.698	ug/l	100
6) Chloroethane	3.118	64	28483	18.151	ug/l #	88
7) Trichlorofluoromethane	3.500	101	82335	18.413	ug/l	100
8) Diethyl Ether	3.959	74	28022	20.471	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	45053	18.958	ug/l	99
10) Methyl Iodide	4.589	142	60695	19.600	ug/l	99
11) Tert butyl alcohol	5.518	59	35022	86.241	ug/l	95
12) 1,1-Dichloroethene	4.342	96	43669	20.350	ug/l	94
13) Acrolein	4.177	56	30762	71.022	ug/l	95
14) Allyl chloride	5.024	41	53165	19.859	ug/l	95
15) Acrylonitrile	5.718	53	109196	101.816	ug/l	99
16) Acetone	4.424	43	79648	90.894	ug/l	100
17) Carbon Disulfide	4.712	76	125413	17.771	ug/l	98
18) Methyl Acetate	5.024	43	52532	24.230	ug/l	95
19) Methyl tert-butyl Ether	5.794	73	140020	19.912	ug/l	100
20) Methylene Chloride	5.277	84	52702	20.559	ug/l	93
21) trans-1,2-Dichloroethene	5.788	96	48548	20.701	ug/l	97
22) Diisopropyl ether	6.671	45	135342	23.723	ug/l	98
23) Vinyl Acetate	6.600	43	437799	101.231	ug/l	98
24) 1,1-Dichloroethane	6.565	63	87851	20.941	ug/l	99
25) 2-Butanone	7.482	43	124240	98.259	ug/l	95
26) 2,2-Dichloropropane	7.482	77	66408	16.442	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	55561	20.849	ug/l	99
28) Bromochloromethane	7.812	49	41252	23.209	ug/l	94
29) Tetrahydrofuran	7.835	42	84544	108.306	ug/l	94
30) Chloroform	7.965	83	95608	20.618	ug/l	98
31) Cyclohexane	8.253	56	68805	19.252	ug/l	92
32) 1,1,1-Trichloroethane	8.165	97	86622	19.734	ug/l	95
36) 1,1-Dichloropropene	8.371	75	61144	19.218	ug/l	99
37) Ethyl Acetate	7.559	43	51233	19.088	ug/l	98
38) Carbon Tetrachloride	8.359	117	79553	19.017	ug/l	98
39) Methylcyclohexane	9.600	83	53761	17.032	ug/l	94
40) Benzene	8.600	78	205604	20.586	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	28770	22.447	ug/l	91
42) 1,2-Dichloroethane	8.665	62	67202	19.310	ug/l	96
43) Isopropyl Acetate	8.688	43	95606	16.438	ug/l	95
44) Trichloroethene	9.353	130	48879	18.883	ug/l	99
45) 1,2-Dichloropropane	9.618	63	49853	21.946	ug/l	97
46) Dibromomethane	9.706	93	35400	19.815	ug/l	99
47) Bromodichloromethane	9.888	83	76296	20.434	ug/l	96
48) Methyl methacrylate	9.676	41	39857	20.766	ug/l	96
49) 1,4-Dioxane	9.694	88	18126	399.498	ug/l #	92
51) 4-Methyl-2-Pentanone	10.441	43	266845	104.028	ug/l	97
52) Toluene	10.623	92	129884	21.188	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	70669	19.489	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	76762	20.065	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	50048	21.391	ug/l	98
56) Ethyl methacrylate	10.871	69	64572	20.175	ug/l	95
57) 1,3-Dichloropropane	11.165	76	80703	20.308	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	120439	99.892	ug/l	97
59) 2-Hexanone	11.194	43	192001	102.747	ug/l	95
60) Dibromochloromethane	11.359	129	60527	20.048	ug/l	99
61) 1,2-Dibromoethane	11.465	107	47736	19.874	ug/l	96
64) Tetrachloroethene	11.100	164	48737	19.590	ug/l	97
65) Chlorobenzene	11.888	112	140275	19.656	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	53050	19.997	ug/l	99
67) Ethyl Benzene	11.959	91	222657	19.504	ug/l	99
68) m/p-Xylenes	12.070	106	180579	40.246	ug/l	98
69) o-Xylene	12.394	106	82577	20.052	ug/l	99
70) Styrene	12.412	104	143375	20.383	ug/l	98
71) Bromoform	12.576	173	40730	18.366	ug/l #	99
73) Isopropylbenzene	12.694	105	206853	19.742	ug/l	100
74) N-amyl acetate	12.494	43	70731	20.177	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	69241	19.534	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	56577m	16.471	ug/l	
77) Bromobenzene	12.976	156	57752	19.768	ug/l	97
78) n-propylbenzene	13.035	91	240792	20.295	ug/l	99
79) 2-Chlorotoluene	13.123	91	155613	19.747	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	178950	20.229	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	23993	18.467	ug/l	93
82) 4-Chlorotoluene	13.217	91	160559	19.813	ug/l	98
83) tert-Butylbenzene	13.435	119	142694	18.861	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	183422	20.558	ug/l	100
85) sec-Butylbenzene	13.611	105	205455	20.817	ug/l	99
86) p-Isopropyltoluene	13.729	119	166910	19.978	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	104101	19.768	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	106694	19.283	ug/l	99
89) n-Butylbenzene	14.053	91	130539	19.187	ug/l	97
90) Hexachloroethane	14.335	117	36221	18.789	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	102960	19.667	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13075	18.479	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	47862	18.183	ug/l	99
94) Hexachlorobutadiene	15.500	225	26518	17.364	ug/l	98
95) Naphthalene	15.641	128	136491	17.907	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	48154	19.279	ug/l	96

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

