

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072723\
 Data File : VN078657.D
 Acq On : 27 Jul 2023 12:56
 Operator : JC\MD
 Sample : VN0727MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/27/2023
 Supervised By : Semsettin Yesilyurt 07/28/2023

Quant Time: Jul 27 16:00:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	741507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	1270171	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	757999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	271384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	524810	52.794	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.580%			
35) Dibromofluoromethane	8.177	113	443887	51.481	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.960%			
50) Toluene-d8	10.577	98	1513133	46.454	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.900%			
62) 4-Bromofluorobenzene	12.853	95	288665	28.771	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 57.540%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	105345	11.587	ug/l	97
3) Chloromethane	2.371	50	140247	14.193	ug/l	96
4) Vinyl Chloride	2.518	62	147802	11.563	ug/l	95
5) Bromomethane	2.953	94	112624	9.947	ug/l	93
6) Chloroethane	3.124	64	124809	14.788	ug/l	99
7) Trichlorofluoromethane	3.501	101	296110	19.379	ug/l	98
8) Diethyl Ether	3.965	74	108645	21.341	ug/l	73
9) 1,1,2-Trichlorotrifluo...	4.377	101	161273	19.938	ug/l	98
10) Methyl Iodide	4.595	142	215582	19.395	ug/l	96
11) Tert butyl alcohol	5.542	59	170850	111.457	ug/l	99
12) 1,1-Dichloroethene	4.353	96	155083	19.821	ug/l	91
13) Acrolein	4.195	56	199128	132.035	ug/l	98
14) Allyl chloride	5.036	41	218017	20.392	ug/l	96
15) Acrylonitrile	5.730	53	434366	112.152	ug/l	100
16) Acetone	4.442	43	327406	105.733	ug/l	99
17) Carbon Disulfide	4.718	76	428677	18.947	ug/l	100
18) Methyl Acetate	5.042	43	293847	22.417	ug/l #	88
19) Methyl tert-butyl Ether	5.806	73	539403	20.924	ug/l	92
20) Methylene Chloride	5.289	84	190326	20.712	ug/l	92
21) trans-1,2-Dichloroethene	5.800	96	167145	18.957	ug/l	89
22) Diisopropyl ether	6.683	45	529639	22.124	ug/l	94
23) Vinyl Acetate	6.618	43	1629999	107.101	ug/l #	88
24) 1,1-Dichloroethane	6.577	63	323246	20.039	ug/l	95
25) 2-Butanone	7.494	43	543008	111.401	ug/l	89
26) 2,2-Dichloropropane	7.500	77	254718	19.306	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	202323	19.836	ug/l	91
28) Bromochloromethane	7.818	49	161029	21.194	ug/l	86
29) Tetrahydrofuran	7.853	42	349524	109.281	ug/l #	83
30) Chloroform	7.971	83	338987	20.185	ug/l	93
31) Cyclohexane	8.265	56	259424	19.310	ug/l	91
32) 1,1,1-Trichloroethane	8.171	97	290233	19.275	ug/l	99
36) 1,1-Dichloropropene	8.383	75	240694	19.333	ug/l	97
37) Ethyl Acetate	7.577	43	220807	21.276	ug/l	96
38) Carbon Tetrachloride	8.371	117	254451	18.805	ug/l	97
39) Methylcyclohexane	9.606	83	223159	19.637	ug/l	88
40) Benzene	8.618	78	749642	20.325	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	124595	23.550	ug/l	87
42) 1,2-Dichloroethane	8.677	62	263147	20.975	ug/l	98
43) Isopropyl Acetate	8.700	43	397722	23.277	ug/l #	91
44) Trichloroethene	9.359	130	180408	18.148	ug/l	100
45) 1,2-Dichloropropane	9.630	63	195074	20.882	ug/l	98
46) Dibromomethane	9.718	93	132848	20.205	ug/l	93
47) Bromodichloromethane	9.894	83	262713	19.933	ug/l	98
48) Methyl methacrylate	9.688	41	175222	22.135	ug/l	81
49) 1,4-Dioxane	9.700	88	72210	418.280	ug/l #	87
51) 4-Methyl-2-Pentanone	10.453	43	1093269	107.569	ug/l	94
52) Toluene	10.635	92	437649	19.145	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	273527	20.258	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	301986	20.982	ug/l	96
55) 1,1,2-Trichloroethane	11.024	97	176750	19.624	ug/l	96
56) Ethyl methacrylate	10.882	69	256811	20.398	ug/l #	86
57) 1,3-Dichloropropane	11.171	76	297944	19.456	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	380882	84.889	ug/l	90
59) 2-Hexanone	11.200	43	734585	101.698	ug/l	91
60) Dibromochloromethane	11.365	129	182821	18.387	ug/l	98
61) 1,2-Dibromoethane	11.476	107	168685	18.181	ug/l	99
64) Tetrachloroethene	11.106	164	143005	25.094	ug/l	98
65) Chlorobenzene	11.900	112	322195	19.016	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.971	131	112303	17.230	ug/l	98
67) Ethyl Benzene	11.971	91	485917	16.967	ug/l	100
68) m/p-Xylenes	12.076	106	371264	35.062	ug/l	98
69) o-Xylene	12.406	106	180723	16.897	ug/l	97
70) Styrene	12.418	104	293167	17.521	ug/l	98
71) Bromoform	12.582	173	79450	17.998	ug/l #	97
73) Isopropylbenzene	12.700	105	445568	17.473	ug/l	100
74) N-amyl acetate	12.500	43	159608	18.162	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	153861	19.727	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	125350m	19.109	ug/l	
77) Bromobenzene	12.988	156	111526	19.158	ug/l	92
78) n-propylbenzene	13.041	91	493126	18.082	ug/l	99
79) 2-Chlorotoluene	13.129	91	312878	17.515	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	361308	17.932	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	49402	19.790	ug/l	90
82) 4-Chlorotoluene	13.229	91	293860	17.635	ug/l	95
83) tert-Butylbenzene	13.447	119	303955	17.769	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	350113	17.890	ug/l	97
85) sec-Butylbenzene	13.623	105	383427	17.733	ug/l	99
86) p-Isopropyltoluene	13.735	119	316562	18.233	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	173366	17.709	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	174455	17.692	ug/l	99
89) n-Butylbenzene	14.059	91	222454	17.907	ug/l	97
90) Hexachloroethane	14.341	117	63924	19.535	ug/l	84
91) 1,2-Dichlorobenzene	14.112	146	173070	17.765	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	23291	17.844	ug/l	89
93) 1,2,4-Trichlorobenzene	15.400	180	46858	15.070	ug/l	98
94) Hexachlorobutadiene	15.506	225	36198	20.023	ug/l	96
95) Naphthalene	15.647	128	139798	13.152	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	56708	15.862	ug/l	98

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

