

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122122\
 Data File : VN075929.D
 Acq On : 21 Dec 2022 19:05
 Operator : JC\MD
 Sample : VN1221MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/22/2022
 Supervised By : Mahesh Dadoda 12/22/2022

Quant Time: Dec 22 03:05:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	317527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	514405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	454983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	214041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	181391	52.510	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.020%			
35) Dibromofluoromethane	8.177	113	163121	51.205	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.420%			
50) Toluene-d8	10.571	98	612575	51.430	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.860%			
62) 4-Bromofluorobenzene	12.853	95	206060	52.234	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.460%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	39290	17.427	ug/l	98
3) Chloromethane	2.377	50	47784	17.044	ug/l	98
4) Vinyl Chloride	2.530	62	59146	17.686	ug/l	100
5) Bromomethane	2.965	94	50313	17.703	ug/l	99
6) Chloroethane	3.124	64	45083	18.205	ug/l	98
7) Trichlorofluoromethane	3.512	101	93541	18.434	ug/l	98
8) Diethyl Ether	3.971	74	37669	20.324	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.389	101	55940	19.306	ug/l	98
10) Methyl Iodide	4.601	142	84150	17.895	ug/l	99
11) Tert butyl alcohol	5.536	59	43115	88.207	ug/l	100
12) 1,1-Dichloroethene	4.354	96	51442	18.279	ug/l	94
13) Acrolein	4.195	56	64553	107.724	ug/l	97
14) Allyl chloride	5.042	41	58792	17.871	ug/l	92
15) Acrylonitrile	5.736	53	129001	96.710	ug/l	99
16) Acetone	4.442	43	99096	83.218	ug/l	94
17) Carbon Disulfide	4.724	76	110388	16.201	ug/l #	95
18) Methyl Acetate	5.048	43	67830	19.270	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	184246	19.881	ug/l	93
20) Methylene Chloride	5.289	84	61604	18.941	ug/l	98
21) trans-1,2-Dichloroethene	5.801	96	55595	18.039	ug/l	91
22) Diisopropyl ether	6.683	45	160842	20.126	ug/l	98
23) Vinyl Acetate	6.612	43	517642	96.233	ug/l	99
24) 1,1-Dichloroethane	6.583	63	102327	19.199	ug/l	99
25) 2-Butanone	7.495	43	157457	94.436	ug/l	99
26) 2,2-Dichloropropane	7.495	77	80388	17.810	ug/l	97
27) cis-1,2-Dichloroethene	7.495	96	70060	19.007	ug/l	99
28) Bromochloromethane	7.824	49	37328	15.979	ug/l	98
29) Tetrahydrofuran	7.847	42	104447	99.961	ug/l	99
30) Chloroform	7.971	83	114207	19.032	ug/l	98
31) Cyclohexane	8.259	56	91045	18.403	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	103183	19.395	ug/l	95
36) 1,1-Dichloropropene	8.377	75	77758	18.375	ug/l	99
37) Ethyl Acetate	7.565	43	68131	20.043	ug/l	98
38) Carbon Tetrachloride	8.371	117	88294	18.642	ug/l	99
39) Methylcyclohexane	9.606	83	98484	19.290	ug/l	96
40) Benzene	8.612	78	247519	18.957	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	34264	19.393	ug/l	96
42) 1,2-Dichloroethane	8.677	62	83414	19.217	ug/l	99
43) Isopropyl Acetate	8.694	43	111857	19.949	ug/l	99
44) Trichloroethene	9.359	130	65721	17.867	ug/l	96
45) 1,2-Dichloropropane	9.624	63	59621	18.765	ug/l	98
46) Dibromomethane	9.718	93	45283	19.216	ug/l	98
47) Bromodichloromethane	9.894	83	87523	18.939	ug/l	98
48) Methyl methacrylate	9.683	41	51469	20.380	ug/l	99
49) 1,4-Dioxane	9.700	88	23182	373.385	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	347445	102.461	ug/l	99
52) Toluene	10.636	92	165498	19.463	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	84954	18.779	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	96031	19.334	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	67618	20.259	ug/l	98
56) Ethyl methacrylate	10.877	69	89808	20.258	ug/l	98
57) 1,3-Dichloropropane	11.165	76	105601	19.289	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	136918	97.004	ug/l	100
59) 2-Hexanone	11.200	43	250641	101.353	ug/l	100
60) Dibromochloromethane	11.359	129	69285	18.666	ug/l	99
61) 1,2-Dibromoethane	11.471	107	66025	19.548	ug/l	99
64) Tetrachloroethene	11.106	164	62348	19.474	ug/l	98
65) Chlorobenzene	11.894	112	176711	18.923	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	67378	19.479	ug/l	99
67) Ethyl Benzene	11.965	91	314677	19.966	ug/l	99
68) m/p-Xylenes	12.071	106	249128	39.936	ug/l	100
69) o-Xylene	12.400	106	122619	19.863	ug/l	99
70) Styrene	12.412	104	198860	20.260	ug/l	98
71) Bromoform	12.582	173	50213	19.950	ug/l #	99
73) Isopropylbenzene	12.700	105	321180	20.765	ug/l	99
74) N-amyl acetate	12.494	43	95482	21.042	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	93646	19.585	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	77866m	18.047	ug/l	
77) Bromobenzene	12.982	156	76628	19.576	ug/l	98
78) n-propylbenzene	13.041	91	353548	20.724	ug/l	100
79) 2-Chlorotoluene	13.129	91	216671	20.346	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	270872	20.924	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	23145	19.309	ug/l	98
82) 4-Chlorotoluene	13.129	91	216671	20.346	ug/l	99
83) tert-Butylbenzene	13.441	119	247993	21.727	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	267083	20.797	ug/l	100
85) sec-Butylbenzene	13.618	105	334684	21.245	ug/l	100
86) p-Isopropyltoluene	13.735	119	272870	20.816	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	135612	18.755	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	135194	18.302	ug/l	98
89) n-Butylbenzene	14.059	91	207746	19.563	ug/l	100
90) Hexachloroethane	14.335	117	46225	19.714	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	138835	19.493	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	14741	17.374	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	64651	18.335	ug/l	98
94) Hexachlorobutadiene	15.506	225	35615	18.513	ug/l	98
95) Naphthalene	15.647	128	186727	17.509	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	60977	18.502	ug/l	98

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

