

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061323\
 Data File : VN078188.D
 Acq On : 13 Jun 2023 16:05
 Operator : JC\MD
 Sample : VN0613MBS02
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0613MBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/14/2023
 Supervised By : Mahesh Dadoda 06/14/2023

Quant Time: Jun 14 02:20:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	471206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	836531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	722287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	271159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	315508	50.219	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.440%			
35) Dibromofluoromethane	8.177	113	261820	49.500	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.000%			
50) Toluene-d8	10.571	98	1003116	49.195	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.380%			
62) 4-Bromofluorobenzene	12.853	95	308603	48.683	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.360%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	86585	16.256	ug/l	96
3) Chloromethane	2.371	50	93298	17.430	ug/l	97
4) Vinyl Chloride	2.518	62	126003	18.065	ug/l	97
5) Bromomethane	2.959	94	92740	17.594	ug/l	97
6) Chloroethane	3.130	64	83551	17.572	ug/l	95
7) Trichlorofluoromethane	3.500	101	165973	17.548	ug/l	99
8) Diethyl Ether	3.965	74	58798	17.692	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.377	101	90791	18.189	ug/l	97
10) Methyl Iodide	4.595	142	119690	16.955	ug/l	91
11) Tert butyl alcohol	5.536	59	82780	95.424	ug/l	99
12) 1,1-Dichloroethene	4.347	96	86066	16.726	ug/l	96
13) Acrolein	4.195	56	78317	81.913	ug/l	94
14) Allyl chloride	5.036	41	117225	18.663	ug/l	95
15) Acrylonitrile	5.724	53	215918	96.541	ug/l	100
16) Acetone	4.436	43	213499	118.062	ug/l	91
17) Carbon Disulfide	4.718	76	223516	16.876	ug/l	98
18) Methyl Acetate	5.036	43	151898	18.245	ug/l	93
19) Methyl tert-butyl Ether	5.806	73	300651	18.313	ug/l	97
20) Methylene Chloride	5.283	84	103841	17.377	ug/l	94
21) trans-1,2-Dichloroethene	5.794	96	95187	17.151	ug/l	92
22) Diisopropyl ether	6.683	45	279490	18.917	ug/l	95
23) Vinyl Acetate	6.612	43	829280	94.421	ug/l #	91
24) 1,1-Dichloroethane	6.577	63	181886	18.661	ug/l	97
25) 2-Butanone	7.494	43	289153	103.979	ug/l #	84
26) 2,2-Dichloropropane	7.500	77	155780	21.646	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	114981	17.369	ug/l	92
28) Bromochloromethane	7.824	49	89229	19.939	ug/l	89
29) Tetrahydrofuran	7.847	42	174294	93.755	ug/l	87
30) Chloroform	7.971	83	194588	18.540	ug/l	95
31) Cyclohexane	8.265	56	148866	18.472	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	172450	18.716	ug/l	98
36) 1,1-Dichloropropene	8.377	75	140810	18.560	ug/l	98
37) Ethyl Acetate	7.571	43	122059	20.594	ug/l	93
38) Carbon Tetrachloride	8.371	117	149574	18.671	ug/l	98
39) Methylcyclohexane	9.606	83	127924	16.270	ug/l	91
40) Benzene	8.612	78	430922	19.025	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	65125	20.272	ug/l	92
42) 1,2-Dichloroethane	8.677	62	147927	19.048	ug/l	99
43) Isopropyl Acetate	8.694	43	201905	17.813	ug/l #	95
44) Trichloroethene	9.359	130	108944	18.213	ug/l	99
45) 1,2-Dichloropropane	9.630	63	108034	19.171	ug/l	96
46) Dibromomethane	9.718	93	77361	18.638	ug/l	98
47) Bromodichloromethane	9.894	83	155523	20.171	ug/l	94
48) Methyl methacrylate	9.688	41	94737	19.916	ug/l	90
49) 1,4-Dioxane	9.700	88	38413	384.223	ug/l	90
51) 4-Methyl-2-Pentanone	10.453	43	598714	100.307	ug/l	93
52) Toluene	10.635	92	268401	18.769	ug/l	94
53) t-1,3-Dichloropropene	10.841	75	157379	19.599	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	172848	19.473	ug/l #	90
55) 1,1,2-Trichloroethane	11.024	97	105545	19.510	ug/l	93
56) Ethyl methacrylate	10.882	69	154338	19.593	ug/l	91
57) 1,3-Dichloropropane	11.171	76	179388	19.645	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	307302	96.573	ug/l	91
59) 2-Hexanone	11.200	43	437366	105.237	ug/l	91
60) Dibromochloromethane	11.365	129	114111	19.277	ug/l	99
61) 1,2-Dibromoethane	11.476	107	104548	18.416	ug/l	99
64) Tetrachloroethene	11.106	164	92164	19.127	ug/l	97
65) Chlorobenzene	11.900	112	276458	17.873	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.971	131	107829	18.953	ug/l	97
67) Ethyl Benzene	11.971	91	503471	18.864	ug/l	100
68) m/p-Xylenes	12.076	106	379123	37.273	ug/l	99
69) o-Xylene	12.406	106	189585	18.980	ug/l	100
70) Styrene	12.418	104	296696	18.867	ug/l	98
71) Bromoform	12.582	173	72545	19.759	ug/l #	98
73) Isopropylbenzene	12.700	105	461489	17.998	ug/l	98
74) N-amyl acetate	12.500	43	154026	18.241	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	149573	19.727	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	119360m	18.620	ug/l	
77) Bromobenzene	12.988	156	103843	17.446	ug/l	98
78) n-propylbenzene	13.041	91	508999	18.271	ug/l	100
79) 2-Chlorotoluene	13.129	91	318827	17.729	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	365166	17.590	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	41512	19.896	ug/l #	81
82) 4-Chlorotoluene	13.229	91	305294	18.190	ug/l	98
83) tert-Butylbenzene	13.447	119	304959	16.899	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	355494	17.662	ug/l	97
85) sec-Butylbenzene	13.623	105	388633	16.454	ug/l	100
86) p-Isopropyltoluene	13.735	119	324385	16.924	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	170949	16.979	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	169430	17.439	ug/l	98
89) n-Butylbenzene	14.065	91	238948	15.805	ug/l	98
90) Hexachloroethane	14.341	117	55853	16.420	ug/l	84
91) 1,2-Dichlorobenzene	14.112	146	173241	17.605	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	23767	18.713	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	52622	15.009	ug/l	97
94) Hexachlorobutadiene	15.511	225	28344	14.596	ug/l	97
95) Naphthalene	15.647	128	172246	14.605	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	58902	15.021	ug/l	99

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

