

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021722\
 Data File : VN070993.D
 Acq On : 17 Feb 2022 21:18
 Operator : JC\MD
 Sample : N1581-07MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GR-OF-20220215MS

Quant Time: Feb 18 00:51:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 16 07:52:42 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/18/2022
 Supervised By : Mahesh Dadoda 02/21/2022

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	592639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	957321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	895566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	373115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	410015	60.565	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 121.140%			
35) Dibromofluoromethane	8.016	113	325954	57.244	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 114.480%			
50) Toluene-d8	10.439	98	1299995	56.850	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 113.700%			
62) 4-Bromofluorobenzene	12.728	95	449678	55.015	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 110.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	324179	52.666	ug/l	100
3) Chloromethane	2.299	50	440515	56.937	ug/l	99
4) Vinyl Chloride	2.440	62	412617	53.275	ug/l	99
5) Bromomethane	2.828	94	220194	50.047	ug/l	99
6) Chloroethane	3.005	64	251834	49.563	ug/l	100
7) Trichlorofluoromethane	3.363	101	497205	51.226	ug/l	97
8) Diethyl Ether	3.822	74	213774	50.665	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.193	101	304817	51.186	ug/l	96
10) Methyl Iodide	4.405	142	454184	55.069	ug/l	98
11) Tert butyl alcohol	5.393	59	452000	366.360	ug/l	98
12) 1,1-Dichloroethene	4.163	96	303523	52.314	ug/l	99
13) Acrolein	4.034	56	318461	288.864	ug/l	100
14) Allyl chloride	4.828	41	606492	54.811	ug/l #	87
15) Acrylonitrile	5.557	53	1256186	345.668	ug/l	99
16) Acetone	4.293	43	1050247	281.697	ug/l	94
17) Carbon Disulfide	4.510	76	818148	49.173	ug/l	99
18) Methyl Acetate	4.857	43	511298	62.786	ug/l	98
19) Methyl tert-butyl Ether	5.616	73	1156058	56.802	ug/l	96
20) Methylene Chloride	5.087	84	376646	55.587	ug/l	95
21) trans-1,2-Dichloroethene	5.581	96	330094	53.007	ug/l	98
22) Diisopropyl ether	6.499	45	1253701	59.074	ug/l	92
23) Vinyl Acetate	6.434	43	5164100	287.453	ug/l	99
24) 1,1-Dichloroethane	6.381	63	677896	56.981	ug/l	98
25) 2-Butanone	7.340	43	1729147	348.640	ug/l	98
26) 2,2-Dichloropropane	7.322	77	441890	44.692	ug/l	99
27) cis-1,2-Dichloroethene	7.322	96	393725	55.010	ug/l	95
28) Bromochloromethane	7.657	49	261521	54.312	ug/l	90
29) Tetrahydrofuran	7.687	42	1166256	362.983	ug/l	95
30) Chloroform	7.816	83	660513	56.450	ug/l	99
31) Cyclohexane	8.087	56	616750	52.677	ug/l	95
32) 1,1,1-Trichloroethane	8.010	97	560718	55.491	ug/l	98
36) 1,1-Dichloropropene	8.216	75	490545	52.583	ug/l	97
37) Ethyl Acetate	7.416	43	616304	61.600	ug/l	99
38) Carbon Tetrachloride	8.204	117	489754	53.282	ug/l	98
39) Methylcyclohexane	9.457	83	588512	49.026	ug/l	96
40) Benzene	8.457	78	1508674	54.672	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	349714	66.367	ug/l #	87
42) 1,2-Dichloroethane	8.528	62	525908	55.958	ug/l	97
43) Isopropyl Acetate	8.563	43	947261	60.067	ug/l	99
44) Trichloroethene	9.216	130	370999	51.056	ug/l	96
45) 1,2-Dichloropropane	9.487	63	399693	56.545	ug/l	99
46) Dibromomethane	9.575	93	258891	55.654	ug/l	99
47) Bromodichloromethane	9.763	83	517343	55.028	ug/l	99
48) Methyl methacrylate	9.557	41	454770	60.925	ug/l #	91
49) 1,4-Dioxane	9.569	88	196031	1478.606	ug/l	91
51) 4-Methyl-2-Pentanone	10.328	43	3362365	350.433	ug/l	97
52) Toluene	10.504	92	968870	55.876	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	553571	54.151	ug/l	98
54) cis-1,3-Dichloropropene	10.187	75	592089	52.740	ug/l	95
55) 1,1,2-Trichloroethane	10.898	97	383411	56.489	ug/l	98
56) Ethyl methacrylate	10.757	69	648815	63.445	ug/l #	92
57) 1,3-Dichloropropane	11.039	76	679491	57.877	ug/l	100
59) 2-Hexanone	11.086	43	2466256	373.737	ug/l	98
60) Dibromochloromethane	11.233	129	404429	56.382	ug/l	100
61) 1,2-Dibromoethane	11.345	107	397617	57.595	ug/l	100
64) Tetrachloroethene	10.975	164	327980	47.025	ug/l	98
65) Chlorobenzene	11.769	112	1014302	52.560	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.839	131	379772	53.987	ug/l	99
67) Ethyl Benzene	11.839	91	1833291	54.278	ug/l	99
68) m/p-Xylenes	11.951	106	1388659	106.438	ug/l	99
69) o-Xylene	12.275	106	690851	54.207	ug/l	99
70) Styrene	12.292	104	1110596	54.804	ug/l	98
71) Bromoform	12.457	173	315166	56.255	ug/l #	99
73) Isopropylbenzene	12.575	105	1777490	59.185	ug/l	100
74) N-amyl acetate	12.386	43	645751	67.266	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.822	83	617369	64.690	ug/l	99
76) 1,2,3-Trichloropropane	12.875	75	493344m	56.157	ug/l	
77) Bromobenzene	12.857	156	426141	57.962	ug/l	86
78) n-propylbenzene	12.916	91	1957409	58.009	ug/l	98
79) 2-Chlorotoluene	13.004	91	1205773	58.842	ug/l	96
80) 1,3,5-Trimethylbenzene	13.057	105	1420884	58.398	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.622	75	165766	61.145	ug/l	92
82) 4-Chlorotoluene	13.104	91	1120300	56.321	ug/l	96
83) tert-Butylbenzene	13.322	119	1271104	55.086	ug/l	97
84) 1,2,4-Trimethylbenzene	13.363	105	1400632	58.479	ug/l	100
85) sec-Butylbenzene	13.498	105	1705583	56.095	ug/l	100
86) p-Isopropyltoluene	13.610	119	1398473	56.028	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	689215	52.957	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	668093	52.394	ug/l	98
89) n-Butylbenzene	13.939	91	1037230	50.934	ug/l	97
90) Hexachloroethane	14.210	117	262836	58.964	ug/l	91
91) 1,2-Dichlorobenzene	13.986	146	673663	55.123	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	111009	71.792	ug/l	92
93) 1,2,4-Trichlorobenzene	15.263	180	325150	47.440	ug/l	99
94) Hexachlorobutadiene	15.369	225	184177	41.327	ug/l	99
95) Naphthalene	15.504	128	964759	57.054	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	333914	52.591	ug/l	99

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

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