

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033122\
 Data File : VN071720.D
 Acq On : 31 Mar 2022 22:02
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/01/2022
 Supervised By : Mahesh Dadoda 04/01/2022

Quant Time: Apr 01 01:41:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	554669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	882784	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	820333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	323749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	321770	50.815	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.620%			
35) Dibromofluoromethane	8.016	113	267199	51.437	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.880%			
50) Toluene-d8	10.439	98	1096571	51.603	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.200%			
62) 4-Bromofluorobenzene	12.727	95	359009	52.237	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 104.480%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	216076	49.001	ug/l	98
3) Chloromethane	2.299	50	263247	47.111	ug/l	99
4) Vinyl Chloride	2.446	62	291193	47.454	ug/l	100
5) Bromomethane	2.840	94	182175	45.669	ug/l	95
6) Chloroethane	3.010	64	194466	44.052	ug/l	100
7) Trichlorofluoromethane	3.375	101	371891	47.635	ug/l	97
8) Diethyl Ether	3.828	74	170534	51.686	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.210	101	233722	48.580	ug/l	99
10) Methyl Iodide	4.422	142	333189	49.543	ug/l	99
11) Tert butyl alcohol	5.363	59	282454	274.865	ug/l	100
12) 1,1-Dichloroethene	4.187	96	222982	48.704	ug/l	95
13) Acrolein	4.040	56	337583	269.427	ug/l	99
14) Allyl chloride	4.846	41	374338	50.376	ug/l	96
15) Acrylonitrile	5.551	53	822436	275.346	ug/l	100
16) Acetone	4.281	43	642085	237.269	ug/l	98
17) Carbon Disulfide	4.534	76	474591	45.180	ug/l	99
18) Methyl Acetate	4.851	43	352154	52.630	ug/l	99
19) Methyl tert-butyl Ether	5.616	73	882209	51.869	ug/l	98
20) Methylene Chloride	5.098	84	284847	49.939	ug/l	97
21) trans-1,2-Dichloroethene	5.598	96	241730	48.097	ug/l	98
22) Diisopropyl ether	6.492	45	849255	52.497	ug/l	98
23) Vinyl Acetate	6.434	43	3567870	277.346	ug/l	99
24) 1,1-Dichloroethane	6.387	63	487630	51.347	ug/l	99
25) 2-Butanone	7.328	43	1036906	265.788	ug/l	100
26) 2,2-Dichloropropane	7.328	77	367694	45.070	ug/l	99
27) cis-1,2-Dichloroethene	7.322	96	312271	50.668	ug/l	97
28) Bromochloromethane	7.657	49	198986	51.942	ug/l	99
29) Tetrahydrofuran	7.681	42	698239	276.409	ug/l	100
30) Chloroform	7.816	83	507877	50.647	ug/l	99
31) Cyclohexane	8.092	56	398429	46.268	ug/l	95
32) 1,1,1-Trichloroethane	8.010	97	426906	49.764	ug/l	98
36) 1,1-Dichloropropene	8.222	75	348066	47.982	ug/l	99
37) Ethyl Acetate	7.410	43	419053	52.778	ug/l	99
38) Carbon Tetrachloride	8.204	117	354922	49.922	ug/l	97
39) Methylcyclohexane	9.457	83	425136	49.233	ug/l	99
40) Benzene	8.457	78	1142166	49.842	ug/l	99

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41) Methacrylonitrile	7.634	41	214017	55.050	ug/l	92
42) 1,2-Dichloroethane	8.528	62	386365	48.740	ug/l	99
43) Isopropyl Acetate	8.557	43	636481	48.194	ug/l	99
44) Trichloroethene	9.216	130	286881	48.593	ug/l	96
45) 1,2-Dichloropropane	9.486	63	289960	50.650	ug/l	99
46) Dibromomethane	9.575	93	194724	50.098	ug/l	99
47) Bromodichloromethane	9.757	83	399069	52.157	ug/l	97
48) Methyl methacrylate	9.557	41	306123	55.871	ug/l	97
49) 1,4-Dioxane	9.563	88	132220	1017.423	ug/l	98
51) 4-Methyl-2-Pentanone	10.327	43	2115339	278.590	ug/l	99
52) Toluene	10.504	92	740201	51.099	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	421536	52.567	ug/l	100
54) cis-1,3-Dichloropropene	10.186	75	460459	51.969	ug/l	97
55) 1,1,2-Trichloroethane	10.898	97	305202	51.194	ug/l	99
56) Ethyl methacrylate	10.757	69	478059	56.211	ug/l	96
57) 1,3-Dichloropropane	11.039	76	507314	50.895	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	526378	204.361	ug/l	99
59) 2-Hexanone	11.080	43	1526010	285.455	ug/l	99
60) Dibromochloromethane	11.233	129	318025	54.709	ug/l	98
61) 1,2-Dibromoethane	11.345	107	312613	53.270	ug/l	99
64) Tetrachloroethene	10.975	164	249756	46.106	ug/l	99
65) Chlorobenzene	11.769	112	804491	48.976	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.839	131	294867	49.748	ug/l	100
67) Ethyl Benzene	11.839	91	1411514	50.761	ug/l	99
68) m/p-Xylenes	11.951	106	1076583	100.765	ug/l	100
69) o-Xylene	12.274	106	539392	50.864	ug/l	99
70) Styrene	12.292	104	869349	54.106	ug/l	99
71) Bromoform	12.457	173	242253	53.670	ug/l	99
73) Isopropylbenzene	12.574	105	1392724	51.050	ug/l	100
74) N-amyl acetate	12.386	43	433080	55.405	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.821	83	462147	50.771	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	356076m	47.478	ug/l	
77) Bromobenzene	12.857	156	331569	48.482	ug/l	98
78) n-propylbenzene	12.916	91	1481059	51.609	ug/l	100
79) 2-Chlorotoluene	13.004	91	934879	50.797	ug/l	99
80) 1,3,5-Trimethylbenzene	13.057	105	1121412	51.880	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.621	75	128955	53.284	ug/l	99
82) 4-Chlorotoluene	13.104	91	846787	49.638	ug/l	99
83) tert-Butylbenzene	13.321	119	1001543	50.689	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	1090738	51.718	ug/l	100
85) sec-Butylbenzene	13.498	105	1341465	52.373	ug/l	100
86) p-Isopropyltoluene	13.610	119	1080363	52.900	ug/l	100
87) 1,3-Dichlorobenzene	13.610	146	541924	49.738	ug/l	100
88) 1,4-Dichlorobenzene	13.692	146	519973	48.917	ug/l	100
89) n-Butylbenzene	13.939	91	781053	51.564	ug/l	99
90) Hexachloroethane	14.210	117	203174	54.346	ug/l	97
91) 1,2-Dichlorobenzene	13.986	146	528794	49.437	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	78066	55.291	ug/l	99
93) 1,2,4-Trichlorobenzene	15.262	180	239984	46.720	ug/l	100
94) Hexachlorobutadiene	15.368	225	143762	45.570	ug/l	99
95) Naphthalene	15.504	128	686851	46.849	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	237273	47.657	ug/l	100

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

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