

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031122\
 Data File : VN071255.D
 Acq On : 11 Mar 2022 18:11
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/14/2022
 Supervised By : Mahesh Dadoda 03/15/2022

Quant Time: Mar 12 02:17:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	636139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1065771	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	989339	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	406553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	445218	51.066	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.140%			
35) Dibromofluoromethane	8.022	113	336739	50.070	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.140%			
50) Toluene-d8	10.439	98	1344837	49.665	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.320%			
62) 4-Bromofluorobenzene	12.727	95	474264	51.722	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	319678	45.852	ug/l	98
3) Chloromethane	2.299	50	451289	48.214	ug/l	98
4) Vinyl Chloride	2.440	62	410687	48.066	ug/l	98
5) Bromomethane	2.822	94	217467	57.949	ug/l	97
6) Chloroethane	2.999	64	258408	49.941	ug/l	99
7) Trichlorofluoromethane	3.363	101	536360	47.694	ug/l	99
8) Diethyl Ether	3.822	74	242352	50.360	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.204	101	305175	46.876	ug/l	95
10) Methyl Iodide	4.422	142	421816	45.874	ug/l	100
11) Tert butyl alcohol	5.363	59	481237	280.978	ug/l	99
12) 1,1-Dichloroethene	4.181	96	307702	48.248	ug/l	94
13) Acrolein	4.034	56	387417	213.709	ug/l	100
14) Allyl chloride	4.840	41	670795	48.360	ug/l	88
15) Acrylonitrile	5.545	53	1299749	255.574	ug/l	98
16) Acetone	4.281	43	1075051	253.421	ug/l	97
17) Carbon Disulfide	4.528	76	786970	43.344	ug/l	98
18) Methyl Acetate	4.846	43	615655	54.000	ug/l	97
19) Methyl tert-butyl Ether	5.610	73	1249926	52.201	ug/l	95
20) Methylene Chloride	5.093	84	389105	50.185	ug/l	92
21) trans-1,2-Dichloroethene	5.593	96	332523	47.668	ug/l	89
22) Diisopropyl ether	6.492	45	1364482	49.931	ug/l	91
23) Vinyl Acetate	6.428	43	6002252	259.449	ug/l	99
24) 1,1-Dichloroethane	6.387	63	709811	49.156	ug/l	99
25) 2-Butanone	7.328	43	1806732	264.389	ug/l	97
26) 2,2-Dichloropropane	7.322	77	557232	50.020	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	409210	49.426	ug/l	91
28) Bromochloromethane	7.651	49	321672	50.024	ug/l	85
29) Tetrahydrofuran	7.681	42	1227433	259.271	ug/l	93
30) Chloroform	7.816	83	678460	49.262	ug/l	99
31) Cyclohexane	8.092	56	641096	46.047	ug/l	91
32) 1,1,1-Trichloroethane	8.010	97	598033	50.977	ug/l	99
36) 1,1-Dichloropropene	8.216	75	508943	47.231	ug/l	97
37) Ethyl Acetate	7.410	43	713370	48.104	ug/l	98
38) Carbon Tetrachloride	8.204	117	499209	47.896	ug/l	99
39) Methylcyclohexane	9.457	83	612323	48.304	ug/l	96
40) Benzene	8.457	78	1560112	48.054	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	337802	46.546	ug/l	93
42) 1,2-Dichloroethane	8.528	62	561591	49.708	ug/l	99
43) Isopropyl Acetate	8.557	43	1144029	51.587	ug/l	95
44) Trichloroethene	9.210	130	373943	48.816	ug/l	98
45) 1,2-Dichloropropane	9.486	63	419737	48.161	ug/l	99
46) Dibromomethane	9.575	93	263489	49.120	ug/l	98
47) Bromodichloromethane	9.757	83	537792	49.610	ug/l	99
48) Methyl methacrylate	9.557	41	531802	51.746	ug/l #	83
49) 1,4-Dioxane	9.563	88	197979	1108.272	ug/l #	88
51) 4-Methyl-2-Pentanone	10.328	43	3586888	260.619	ug/l	99
52) Toluene	10.504	92	981256	49.083	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	609542	51.009	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	661569	50.668	ug/l	97
55) 1,1,2-Trichloroethane	10.892	97	394963	49.303	ug/l	98
56) Ethyl methacrylate	10.757	69	687231	52.531	ug/l	92
57) 1,3-Dichloropropane	11.039	76	698460	48.574	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	1111601	387.219	ug/l	95
59) 2-Hexanone	11.080	43	2696288	287.127	ug/l	100
60) Dibromochloromethane	11.233	129	406289	51.044	ug/l	100
61) 1,2-Dibromoethane	11.339	107	401674	49.060	ug/l	100
64) Tetrachloroethene	10.975	164	322960	46.806	ug/l	98
65) Chlorobenzene	11.769	112	1026762	48.326	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.839	131	383264	49.196	ug/l	100
67) Ethyl Benzene	11.839	91	1881835	50.093	ug/l	98
68) m/p-Xylenes	11.951	106	1414967	102.960	ug/l	97
69) o-Xylene	12.274	106	710736	51.593	ug/l	97
70) Styrene	12.292	104	1157880	54.299	ug/l	98
71) Bromoform	12.457	173	312025	52.739	ug/l #	100
73) Isopropylbenzene	12.574	105	1823094	46.518	ug/l	99
74) N-amyl acetate	12.380	43	797422	54.115	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.822	83	624203	53.791	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	503317m	51.144	ug/l	
77) Bromobenzene	12.857	156	424712	46.474	ug/l	79
78) n-propylbenzene	12.916	91	2050703	48.763	ug/l	98
79) 2-Chlorotoluene	13.004	91	1251124	46.345	ug/l	95
80) 1,3,5-Trimethylbenzene	13.057	105	1464082	48.017	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.621	75	204330	54.330	ug/l	92
82) 4-Chlorotoluene	13.104	91	1204774	50.103	ug/l	93
83) tert-Butylbenzene	13.321	119	1334778	49.053	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	1452423	49.732	ug/l	99
85) sec-Butylbenzene	13.498	105	1805081	49.909	ug/l	99
86) p-Isopropyltoluene	13.610	119	1475527	51.876	ug/l	98
87) 1,3-Dichlorobenzene	13.610	146	710675	47.860	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	686815	47.318	ug/l	98
89) n-Butylbenzene	13.939	91	1142356	51.349	ug/l	96
90) Hexachloroethane	14.204	117	267650	47.318	ug/l	90
91) 1,2-Dichlorobenzene	13.986	146	689567	48.303	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	122948	53.918	ug/l	86
93) 1,2,4-Trichlorobenzene	15.263	180	333272	50.019	ug/l	98
94) Hexachlorobutadiene	15.368	225	184753	46.100	ug/l	99
95) Naphthalene	15.504	128	1100349	58.124	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	335063	52.358	ug/l	98

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

