

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011922\
 Data File : VN070708.D
 Acq On : 19 Jan 2022 18:45
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/20/2022
 Supervised By : Mahesh Dadoda 01/20/2022

Quant Time: Jan 20 03:43:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	868991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1477267	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1378657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	583804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	583237	46.831	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.660%		
35) Dibromofluoromethane	8.021	113	418819	45.705	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.420%		
50) Toluene-d8	10.440	98	1759501	45.579	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	91.160%		
62) 4-Bromofluorobenzene	12.731	95	640540	46.564	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.120%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	431807	43.002	ug/l	99
3) Chloromethane	2.303	50	628830	42.842	ug/l	100
4) Vinyl Chloride	2.446	62	608228	43.568	ug/l	100
5) Bromomethane	2.845	94	328355	45.160	ug/l	98
6) Chloroethane	3.014	64	367065	42.134	ug/l	98
7) Trichlorofluoromethane	3.373	101	704270	44.160	ug/l	98
8) Diethyl Ether	3.824	74	314161	45.096	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.205	101	407971	42.326	ug/l	95
10) Methyl Iodide	4.419	142	589009	47.389	ug/l	99
11) Tert butyl alcohol	5.380	59	591334	263.182	ug/l	98
12) 1,1-Dichloroethene	4.178	96	414238	43.089	ug/l	91
13) Acrolein	4.039	56	753166	233.726	ug/l	100
14) Allyl chloride	4.838	41	988715	47.202	ug/l #	83
15) Acrylonitrile	5.554	53	1756055	245.680	ug/l	99
16) Acetone	4.285	43	1712325	198.094	ug/l	97
17) Carbon Disulfide	4.527	76	1138178	43.593	ug/l	99
18) Methyl Acetate	4.857	43	790839	46.521	ug/l	92
19) Methyl tert-butyl Ether	5.618	73	1658009	48.278	ug/l	95
20) Methylene Chloride	5.095	84	512542	45.014	ug/l #	86
21) trans-1,2-Dichloroethene	5.594	96	441688	45.650	ug/l	85
22) Diisopropyl ether	6.498	45	1971823	47.494	ug/l #	90
23) Vinyl Acetate	6.434	43	8646111	245.671	ug/l	95
24) 1,1-Dichloroethane	6.385	63	949724	45.731	ug/l	97
25) 2-Butanone	7.335	43	2552553	234.672	ug/l	92
26) 2,2-Dichloropropane	7.324	77	723552	45.442	ug/l	98
27) cis-1,2-Dichloroethene	7.327	96	529397	46.060	ug/l	86
28) Bromochloromethane	7.657	49	450178	48.280	ug/l #	75
29) Tetrahydrofuran	7.686	42	1689144	253.621	ug/l	87
30) Chloroform	7.817	83	903072	44.474	ug/l	100
31) Cyclohexane	8.094	56	944690	43.077	ug/l	86
32) 1,1,1-Trichloroethane	8.013	97	752970	46.711	ug/l	98
36) 1,1-Dichloropropene	8.222	75	677435	43.913	ug/l	96
37) Ethyl Acetate	7.413	43	972466	47.482	ug/l	98
38) Carbon Tetrachloride	8.206	117	608604	44.347	ug/l	100
39) Methylcyclohexane	9.459	83	847946	44.524	ug/l	88
40) Benzene	8.459	78	2121507	44.383	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	512457	49.182	ug/l #	84
42) 1,2-Dichloroethane	8.531	62	736384	44.429	ug/l	99
43) Isopropyl Acetate	8.560	43	1519342	48.569	ug/l #	95
44) Trichloroethene	9.215	130	476326	43.956	ug/l	90
45) 1,2-Dichloropropane	9.488	63	586719	45.114	ug/l	99
46) Dibromomethane	9.577	93	341525	45.163	ug/l	95
47) Bromodichloromethane	9.762	83	685966	44.376	ug/l	99
48) Methyl methacrylate	9.561	41	740873	49.714	ug/l #	79
49) 1,4-Dioxane	9.569	88	233735	1044.141	ug/l #	84
51) 4-Methyl-2-Pentanone	10.331	43	4896508	245.304	ug/l	99
52) Toluene	10.505	92	1307952	45.744	ug/l	97
53) t-1,3-Dichloropropene	10.717	75	798387	42.947	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	861643	46.479	ug/l	98
55) 1,1,2-Trichloroethane	10.896	97	501487	44.646	ug/l	97
56) Ethyl methacrylate	10.760	69	930492	43.853	ug/l	89
57) 1,3-Dichloropropane	11.044	76	912718	45.900	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1353853	249.835	ug/l	90
59) 2-Hexanone	11.084	43	3658677	252.310	ug/l	97
60) Dibromochloromethane	11.237	129	487705	46.549	ug/l	100
61) 1,2-Dibromoethane	11.344	107	515409	45.702	ug/l	100
64) Tetrachloroethene	10.977	164	405961	40.161	ug/l	95
65) Chlorobenzene	11.768	112	1323082	44.294	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	467550	45.455	ug/l	99
67) Ethyl Benzene	11.843	91	2523908	45.575	ug/l	96
68) m/p-Xylenes	11.953	106	1841684	91.415	ug/l	91
69) o-Xylene	12.280	106	923894	46.210	ug/l	91
70) Styrene	12.294	104	1519027	47.492	ug/l	96
71) Bromoform	12.457	173	364920	46.967	ug/l #	100
73) Isopropylbenzene	12.578	105	2398554	43.428	ug/l	98
74) N-amyl acetate	12.388	43	1163293	51.514	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.827	83	822703	44.107	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	729061m	47.085	ug/l	
77) Bromobenzene	12.860	156	540723	43.666	ug/l	74
78) n-propylbenzene	12.919	91	2772542	44.887	ug/l	96
79) 2-Chlorotoluene	13.007	91	1699267	43.490	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	2000467	44.789	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.624	75	251172	48.326	ug/l	93
82) 4-Chlorotoluene	13.104	91	1641512	44.965	ug/l	91
83) tert-Butylbenzene	13.324	119	1719570	44.229	ug/l	94
84) 1,2,4-Trimethylbenzene	13.367	105	1947039	45.351	ug/l	97
85) sec-Butylbenzene	13.501	105	2416927	45.727	ug/l	96
86) p-Isopropyltoluene	13.613	119	1925660	46.377	ug/l	96
87) 1,3-Dichlorobenzene	13.613	146	922417	44.779	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	900058	43.905	ug/l	97
89) n-Butylbenzene	13.943	91	1629394	47.568	ug/l	97
90) Hexachloroethane	14.209	117	325435	44.838	ug/l	92
91) 1,2-Dichlorobenzene	13.989	146	900415	44.242	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	153789	48.605	ug/l	82
93) 1,2,4-Trichlorobenzene	15.263	180	469947	44.011	ug/l	98
94) Hexachlorobutadiene	15.370	225	273873	45.436	ug/l	98
95) Naphthalene	15.504	128	1398544	46.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	462749	45.212	ug/l	98

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

