

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020222\
 Data File : VN070892.D
 Acq On : 2 Feb 2022 14:11
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/03/2022
 Supervised By : Mahesh Dadoda 02/04/2022

Quant Time: Feb 02 15:10:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 02 15:10:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	830682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1363383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1261034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	548858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	549375	46.147	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.300%		
35) Dibromofluoromethane	8.021	113	409725	48.448	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.900%		
50) Toluene-d8	10.441	98	1664191	46.711	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.420%		
62) 4-Bromofluorobenzene	12.731	95	609865	48.037	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.080%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.073	85	460089	47.931	ug/l	99
3) Chloromethane	2.301	50	547154	38.996	ug/l	99
4) Vinyl Chloride	2.446	62	486305	36.441	ug/l	100
5) Bromomethane	2.832	94	229390	33.004	ug/l	99
6) Chloroethane	3.009	64	218174	26.198	ug/l	97
7) Trichlorofluoromethane	3.371	101	532304	34.917	ug/l	96
8) Diethyl Ether	3.821	74	309769	46.516	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.205	101	406844	44.156	ug/l	97
10) Methyl Iodide	4.417	142	611595	51.475	ug/l	97
11) Tert butyl alcohol	5.382	59	579564	269.839	ug/l	98
12) 1,1-Dichloroethene	4.175	96	419275	45.625	ug/l	94
13) Acrolein	4.039	56	607801	197.314	ug/l	100
14) Allyl chloride	4.838	41	955364	47.714	ug/l	85
15) Acrylonitrile	5.551	53	1647702	241.152	ug/l	99
16) Acetone	4.285	43	1653427	200.102	ug/l	98
17) Carbon Disulfide	4.524	76	1255523	50.305	ug/l	99
18) Methyl Acetate	4.854	43	760326	46.789	ug/l	94
19) Methyl tert-butyl Ether	5.616	73	1612319	49.113	ug/l	95
20) Methylene Chloride	5.090	84	494840	45.464	ug/l	89
21) trans-1,2-Dichloroethene	5.594	96	444344	48.043	ug/l	87
22) Diisopropyl ether	6.495	45	1830766	46.130	ug/l	92
23) Vinyl Acetate	6.434	43	8320107	247.311	ug/l	95
24) 1,1-Dichloroethane	6.385	63	917132	46.198	ug/l	99
25) 2-Butanone	7.335	43	2423278	233.062	ug/l	93
26) 2,2-Dichloropropane	7.321	77	723011	47.502	ug/l	98
27) cis-1,2-Dichloroethene	7.324	96	519770	47.308	ug/l	88
28) Bromochloromethane	7.657	49	405895	45.539	ug/l #	79
29) Tetrahydrofuran	7.686	42	1562948	245.495	ug/l	89
30) Chloroform	7.818	83	860643	38.613	ug/l	99
31) Cyclohexane	8.094	56	909696	43.394	ug/l	88
32) 1,1,1-Trichloroethane	8.013	97	740685	48.068	ug/l	97
36) 1,1-Dichloropropene	8.220	75	660708	46.407	ug/l	97
37) Ethyl Acetate	7.413	43	922588	48.810	ug/l	98
38) Carbon Tetrachloride	8.206	117	614380	48.507	ug/l	98
39) Methylcyclohexane	9.459	83	843350	47.982	ug/l	90
40) Benzene	8.459	78	2046582	46.392	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	464338	48.286	ug/l #	88
42) 1,2-Dichloroethane	8.528	62	708556	46.321	ug/l	100
43) Isopropyl Acetate	8.560	43	1450394	50.238	ug/l	96
44) Trichloroethene	9.215	130	473526	47.348	ug/l	91
45) 1,2-Dichloropropane	9.488	63	558226	46.508	ug/l	99
46) Dibromomethane	9.577	93	337136	48.306	ug/l	96
47) Bromodichloromethane	9.762	83	684806	48.002	ug/l	99
48) Methyl methacrylate	9.558	41	707168	51.416	ug/l #	79
49) 1,4-Dioxane	9.569	88	224391	1086.130	ug/l #	86
51) 4-Methyl-2-Pentanone	10.331	43	4618324	250.694	ug/l	99
52) Toluene	10.505	92	1267072	48.016	ug/l	97
53) t-1,3-Dichloropropene	10.717	75	778927	50.889	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	851928	49.794	ug/l	99
55) 1,1,2-Trichloroethane	10.896	97	488391	47.112	ug/l	98
56) Ethyl methacrylate	10.760	69	891708	51.167	ug/l	89
57) 1,3-Dichloropropane	11.044	76	870413	47.429	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1025515	249.226	ug/l	91
59) 2-Hexanone	11.084	43	3419409	255.506	ug/l	98
60) Dibromochloromethane	11.237	129	498737	51.578	ug/l	100
61) 1,2-Dibromoethane	11.344	107	510777	49.074	ug/l	100
64) Tetrachloroethene	10.977	164	413421	44.714	ug/l	97
65) Chlorobenzene	11.768	112	1296330	47.447	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.841	131	464766	49.399	ug/l	99
67) Ethyl Benzene	11.843	91	2437495	48.120	ug/l	96
68) m/p-Xylenes	11.953	106	1812199	98.341	ug/l	94
69) o-Xylene	12.280	106	899997	49.214	ug/l	93
70) Styrene	12.294	104	1483826	50.719	ug/l	96
71) Bromoform	12.457	173	396732	55.824	ug/l #	100
73) Isopropylbenzene	12.578	105	2340343	45.072	ug/l	98
74) N-amyl acetate	12.388	43	1081041	50.920	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.825	83	788284	44.952	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	651842m	44.778	ug/l	
77) Bromobenzene	12.860	156	549331	47.185	ug/l	79
78) n-propylbenzene	12.919	91	2713430	46.727	ug/l	96
79) 2-Chlorotoluene	13.007	91	1645141	44.786	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	1921913	45.770	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.624	75	250291	51.223	ug/l	91
82) 4-Chlorotoluene	13.104	91	1606410	46.805	ug/l	92
83) tert-Butylbenzene	13.321	119	1671376	45.726	ug/l	95
84) 1,2,4-Trimethylbenzene	13.367	105	1896160	46.978	ug/l	97
85) sec-Butylbenzene	13.501	105	2367941	47.652	ug/l	97
86) p-Isopropyltoluene	13.613	119	1893205	48.499	ug/l	97
87) 1,3-Dichlorobenzene	13.613	146	933983	48.227	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	904804	46.947	ug/l	97
89) n-Butylbenzene	13.941	91	1616071	50.183	ug/l	97
90) Hexachloroethane	14.209	117	332423	48.717	ug/l	97
91) 1,2-Dichlorobenzene	13.986	146	882172	46.105	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	147066	49.440	ug/l	86
93) 1,2,4-Trichlorobenzene	15.263	180	481765	56.692	ug/l	99
94) Hexachlorobutadiene	15.367	225	295685	52.178	ug/l	99
95) Naphthalene	15.504	128	1339227	60.980	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	471368	58.190	ug/l	99

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

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