Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111020\
Data File : BF122296.D
Acq On : 10 Nov 2020 13:52
Operator : JU/CG
Sample : L4214-07
Misc : LOD-MDL-WATER 4ppm
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
LOD-MDL-WATER-01-QT4-2020

**Manual Integrations APPROVED**
mohammad
11/11/2020 10:32:05 AM

Quant Time: Nov 10 14:50:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 10 13:10:47 2020
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.869 | 152 | 323780 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.151 | 136 | 1159697 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.904 | 164 | 615592 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.386 | 188 | 1123862 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.027 | 240 | 1020087 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.492 | 264 | 982243 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.481 | 112 | 2698355 | 127.97 | ng | | 0.00 |
| 7) Phenol-d6 | 6.492 | 99 | 3500786 | 126.91 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 2252105 | 118.89 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.698 | 330 | 971294 | 147.01 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 3626459 | 92.04 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.980 | 244 | 4235830 | 87.97 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.652 | 88 | 40185 | 4.16 | ng | | 87 |
| 3) Pyridine | 3.457 | 79 | 99944 | 3.76 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.334 | 42 | 47320 | 3.77 | ng | # | 96 |
| 6) Aniline | 6.534 | 93 | 145365 | 4.02 | ng | | 97 |
| 8) 2-Chlorophenol | 6.651 | 128 | 88790 | 4.06 | ng | | 94 |
| 9) Benzaldehyde | 6.416 | 77 | 78002 | 5.01 | ng | | 96 |
| 10) Phenol | 6.504 | 94 | 107112m | 3.94 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.598 | 93 | 89827 | 4.16 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.804 | 146 | 103465 | 4.17 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.881 | 146 | 106491 | 4.27 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.039 | 146 | 98584 | 4.24 | ng | | 98 |
| 15) Benzyl Alcohol | 6.998 | 79 | 65902 | 3.36 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.139 | 45 | 127769 | 4.06 | ng | | 98 |
| 17) 2-Methylphenol | 7.104 | 107 | 73204 | 4.01 | ng | | 100 |
| 18) Hexachloroethane | 7.381 | 117 | 35190 | 4.05 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.275 | 70 | 68011 | 4.13 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.257 | 107 | 92061 | 4.10 | ng | # | 69 |
| 22) Acetophenone | 7.269 | 105 | 134114 | 4.44 | ng | # | 87 |
| 24) Nitrobenzene | 7.445 | 77 | 105889 | 4.89 | ng | | 99 |
| 25) Isophorone | 7.681 | 82 | 178999 | 4.24 | ng | | 99 |
| 26) 2-Nitrophenol | 7.763 | 139 | 28628 | 3.91 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.792 | 122 | 86542 | 4.34 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.892 | 93 | 110784 | 4.29 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.998 | 162 | 71073 | 4.03 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.092 | 180 | 83500 | 4.29 | ng | | 96 |
| 31) Naphthalene | 8.169 | 128 | 273506 | 4.44 | ng | | 98 |
| 32) Benzoic acid | 7.834 | 122 | 20470 | 2.28 | ng | | 99 |
| 33) 4-Chloroaniline | 8.210 | 127 | 111030 | 4.13 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.292 | 225 | 47970 | 4.29 | ng | | 98 |
| 35) Caprolactam | 8.539 | 113 | 20638 | 3.69 | ng | | 90 |
| 36) 4-Chloro-3-methylphenol | 8.681 | 107 | 73781 | 4.01 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.863 | 142 | 179061 | 4.40 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.963 | 142 | 165579 | 4.34 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.028 | 216 | 83440 | 4.40 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 42109 | 3.80 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.133 | 196 | 49674 | 4.03 | ng | | 100 |

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Sample : L4214-07
Misc : LOD-MDL-WATER 4ppm
ALS Vial : 9 Sample Multiplier: 1

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**ClientSampleId :**
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.169 | 196 | 51725 | 4.01 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.328 | 154 | 223869 | 4.57 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.351 | 162 | 171595 | 4.41 | ng | | 95 |
| 48) 2-Nitroaniline | 9.433 | 65 | 37542 | 3.93 | ng | | 94 |
| 49) Acenaphthylene | 9.763 | 152 | 260719 | 4.36 | ng | | 99 |
| 50) Dimethylphthalate | 9.616 | 163 | 186893 | 4.27 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.675 | 165 | 34035 | 4.02 | ng | | 92 |
| 52) Acenaphthene | 9.933 | 154 | 163380 | 4.42 | ng | | 100 |
| 53) 3-Nitroaniline | 9.839 | 138 | 39304 | 4.02 | ng | # | 93 |
| 54) 2,4-Dinitrophenol | 9.945 | 184 | 5882 | 2.28 | ng | # | 1 |
| 55) Dibenzofuran | 10.104 | 168 | 239356 | 4.42 | ng | | 99 |
| 56) 4-Nitrophenol | 9.986 | 139 | 29012 | 3.47 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 10.075 | 165 | 38571 | 3.77 | ng | | 92 |
| 58) Fluorene | 10.451 | 166 | 191593 | 4.62 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.222 | 232 | 43029m | 4.01 | ng | | |
| 60) Diethylphthalate | 10.322 | 149 | 187467 | 4.37 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204 | 90226 | 4.60 | ng | | 98 |
| 62) 4-Nitroaniline | 10.445 | 138 | 37975 | 3.95 | ng | | 87 |
| 63) Azobenzene | 10.604 | 77 | 192027 | 4.26 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.480 | 198 | 9452 | 2.21 | ng | | 78 |
| 66) n-Nitrosodiphenylamine | 10.557 | 169 | 162153 | 4.23 | ng | | 94 |
| 67) 4-Bromophenyl-phenylether | 10.933 | 248 | 55537 | 4.21 | ng | | 99 |
| 68) Hexachlorobenzene | 10.998 | 284 | 59841 | 4.19 | ng | | 99 |
| 69) Atrazine | 11.080 | 200 | 45471 | 4.77 | ng | | 96 |
| 70) Pentachlorophenol | 11.186 | 266 | 27556 | 3.35 | ng | | 98 |
| 71) Phenanthrene | 11.410 | 178 | 284617 | 4.46 | ng | | 100 |
| 72) Anthracene | 11.463 | 178 | 287028 | 4.37 | ng | | 97 |
| 73) Carbazole | 11.610 | 167 | 256037 | 4.28 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.951 | 149 | 262423 | 4.12 | ng | | 99 |
| 75) Fluoranthene | 12.598 | 202 | 283983 | 4.27 | ng | | 96 |
| 77) Benzidine | 12.716 | 184 | 135004 | 4.77 | ng | # | 95 |
| 78) Pyrene | 12.827 | 202 | 299994 | 4.19 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.451 | 149 | 88490 | 3.43 | ng | | 94 |
| 81) Benzo(a)anthracene | 14.015 | 228 | 279454 | 4.40 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.974 | 252 | 89722 | 3.80 | ng | | 98 |
| 83) Chrysene | 14.051 | 228 | 273739 | 4.28 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.015 | 149 | 138561 | 4.01 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.627 | 149 | 195017 | 3.33 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.939 | 276 | 229256 | 3.89 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.057 | 252 | 248145 | 3.90 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.086 | 252 | 250528 | 4.04 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.421 | 252 | 218081 | 3.93 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.962 | 278 | 192169 | 3.89 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.380 | 276 | 187652 | 3.91 | ng | | 96 |

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

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