

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080316\  
 Data File : BG023423.D  
 Acq On : 3 Aug 2016 12:59  
 Operator : UM/SJ  
 Sample : H4145-18DL 5X  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 9524DL

Manual Integrations  
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Quant Time: Aug 04 13:56:24 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG080116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 04 13:50:00 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.12  | 152  | 105028   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.95 | 136  | 496404   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.78 | 164  | 374051   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.54 | 188  | 977242   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.86 | 240  | 958524   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.24 | 264  | 916987   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |       |    |      |
|--------------------------|-------|-----|--------|-------|----|------|
| 5) 2-Fluorophenol        | 5.66  | 112 | 62859  | 10.07 | ng | 0.00 |
| 7) Phenol-d6             | 7.27  | 99  | 112724 | 11.60 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.29  | 82  | 80388  | 8.05  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.28 | 330 | 106142 | 19.40 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.40 | 172 | 256879 | 11.58 | ng | 0.00 |
| 78) Terphenyl-d14        | 20.15 | 244 | 585575 | 16.67 | ng | 0.00 |

## Target Compounds

|                                |       |     |         |       |    | Qvalue |
|--------------------------------|-------|-----|---------|-------|----|--------|
| 8) 2-Chlorophenol              | 7.68  | 128 | 26256   | 3.66  | ng | 89     |
| 10) Phenol                     | 7.30  | 94  | 144711  | 13.92 | ng | # 77   |
| 11) bis(2-Chloroethyl)ether    | 7.53  | 93  | 47379   | 5.71  | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 8.01  | 146 | 27373   | 3.34  | ng | 91     |
| 17) 2-Methylphenol             | 8.56  | 107 | 70848   | 10.16 | ng | # 85   |
| 19) n-Nitroso-di-n-propylamine | 8.92  | 70  | 177585  | 21.24 | ng | 94     |
| 20) 3+4-Methylphenols          | 8.89  | 107 | 119445  | 12.16 | ng | # 76   |
| 25) Isophorone                 | 9.86  | 82  | 381472  | 18.34 | ng | # 94   |
| 26) 2-Nitrophenol              | 10.06 | 139 | 59752   | 12.80 | ng | # 70   |
| 29) 2,4-Dichlorophenol         | 10.60 | 162 | 150008  | 18.77 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.81 | 180 | 178194  | 20.68 | ng | 99     |
| 31) Naphthalene                | 11.00 | 128 | 231650  | 9.16  | ng | 98     |
| 34) Hexachlorobutadiene        | 11.28 | 225 | 78837   | 13.91 | ng | 95     |
| 36) 4-Chloro-3-methylphenol    | 12.24 | 107 | 65102   | 6.20  | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.61 | 142 | 211335  | 11.00 | ng | 92     |
| 43) 2,4,5-Trichlorophenol      | 13.29 | 196 | 142397  | 17.12 | ng | 97     |
| 46) 2-Chloronaphthalene        | 13.66 | 162 | 103024  | 4.66  | ng | 99     |
| 48) Acenaphthylene             | 14.50 | 152 | 255665  | 7.31  | ng | 96     |
| 50) 2,6-Dinitrotoluene         | 14.36 | 165 | 124251  | 18.28 | ng | # 81   |
| 54) Dibenzofuran               | 15.18 | 168 | 1357192 | 42.20 | ng | 95     |
| 55) 4-Nitrophenol              | 15.01 | 139 | 63039   | 10.47 | ng | # 85   |
| 56) 2,4-Dinitrotoluene         | 15.15 | 165 | 72153   | 7.56  | ng | 90     |
| 57) Fluorene                   | 15.83 | 166 | 735879  | 26.22 | ng | 97     |
| 59) Diethylphthalate           | 15.58 | 149 | 1103955 | 37.89 | ng | 99     |
| 60) 4-Chlorophenyl-phenylether | 15.82 | 204 | 529888  | 35.68 | ng | 98     |
| 66) 4-Bromophenyl-phenylether  | 16.72 | 248 | 107237  | 9.42  | ng | 96     |
| 67) Hexachlorobenzene          | 16.84 | 284 | 512271  | 41.11 | ng | 97     |
| 69) Pentachlorophenol          | 17.19 | 266 | 34063   | 4.69  | ng | # 84   |
| 71) Anthracene                 | 17.68 | 178 | 507898  | 10.18 | ng | 95     |
| 73) Di-n-butylphthalate        | 18.49 | 149 | 782184  | 11.96 | ng | # 95   |
| 74) Fluoranthene               | 19.60 | 202 | 615329  | 5.71  | ng | 94     |
| 77) Pyrene                     | 19.96 | 202 | 1780302 | 29.82 | ng | 98     |
| 80) Benzo(a)anthracene         | 21.83 | 228 | 1599133 | 30.22 | ng | 96     |
| 82) Chrysene                   | 21.91 | 228 | 806674  | 16.02 | ng | 97     |

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|----------------------------|-------|------|----------|-------|-------|----------|
| 85) Indeno(1,2,3-cd)pyrene | 29.08 | 276  | 820661m  | 13.05 | nq    |          |
| 87) Benzo(b)fluoranthene   | 24.16 | 252  | 1274969  | 24.71 | nq    | # 96     |
| 88) Benzo(k)fluoranthene   | 24.23 | 252  | 1275341  | 25.74 | nq    | # 97     |
| 89) Benzo(a)pyrene         | 25.08 | 252  | 569058   | 11.60 | nq    | # 96     |
| 90) Dibenzo(a,h)anthracene | 29.16 | 278  | 1691150  | 33.74 | nq    | # 93     |
| 91) Benzo(a,h,i)perylene   | 30.31 | 276  | 1107707  | 21.95 | nq    | # 92     |

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

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