

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050515\  
 Data File : BG016871.D  
 Acq On : 5 May 2015 18:31  
 Operator : TP/IZ  
 Sample : G2078-15DL 5X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PT-BNA-SOILDL

Quant Time: May 06 02:37:27 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 05 16:13:58 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.81  | 152  | 70339    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.60 | 136  | 311499   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.44 | 164  | 215419   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.19 | 188  | 476646   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.37 | 240  | 493656   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.67 | 264  | 485875   | 20.00 | ng    | 0.00     |

|                             |       |     |        |       |    |      |
|-----------------------------|-------|-----|--------|-------|----|------|
| System Monitoring Compounds |       |     |        |       |    |      |
| 5) 2-Fluorophenol           | 5.38  | 112 | 92948  | 23.01 | ng | 0.00 |
| 7) Phenol-d6                | 6.96  | 99  | 132364 | 22.93 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 8.96  | 82  | 86983  | 13.64 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 15.93 | 330 | 47444  | 21.94 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 13.06 | 172 | 205678 | 14.41 | ng | 0.00 |
| 78) Terphenyl-d14           | 19.81 | 244 | 311504 | 14.79 | ng | 0.00 |

|                                |       |     |        |        |    |       |
|--------------------------------|-------|-----|--------|--------|----|-------|
| Target Compounds               |       |     |        | Qvalue |    |       |
| 8) 2-Chlorophenol              | 7.36  | 128 | 171648 | 36.68  | ng | 97    |
| 10) Phenol                     | 6.99  | 94  | 197157 | 31.86  | ng | 97    |
| 12) 1,3-Dichlorobenzene        | 7.69  | 146 | 162816 | 31.55  | ng | 99    |
| 13) 1,4-Dichlorobenzene        | 7.84  | 146 | 75766  | 14.50  | ng | 93    |
| 18) Hexachloroethane           | 8.89  | 117 | 26610  | 12.38  | ng | 99    |
| 20) 3+4-Methylphenols          | 8.56  | 107 | 38102  | 6.34   | ng | 88    |
| 25) Isophorone                 | 9.53  | 82  | 539230 | 41.88  | ng | 98    |
| 26) 2-Nitrophenol              | 9.71  | 139 | 52294  | 19.95  | ng | 97    |
| 30) 1,2,4-Trichlorobenzene     | 10.46 | 180 | 185375 | 39.00  | ng | 99    |
| 31) Naphthalene                | 10.65 | 128 | 458214 | 29.57  | ng | 100   |
| 36) 4-Chloro-3-methylphenol    | 11.88 | 107 | 179141 | 31.21  | ng | 98    |
| 37) 2-Methylnaphthalene        | 12.26 | 142 | 164678 | 13.95  | ng | 97    |
| 42) 2,4,6-Trichlorophenol      | 12.87 | 196 | 65163  | 15.79  | ng | 93    |
| 43) 2,4,5-Trichlorophenol      | 12.93 | 196 | 113017 | 25.80  | ng | 98    |
| 48) Acenaphthylene             | 14.16 | 152 | 316762 | 14.89  | ng | 99    |
| 51) Acenaphthene               | 14.51 | 154 | 420655 | 33.22  | ng | 93    |
| 57) Fluorene                   | 15.49 | 166 | 207987 | 13.07  | ng | 100   |
| 59) Diethylphthalate           | 15.27 | 149 | 421595 | 24.83  | ng | 97    |
| 60) 4-Chlorophenyl-phenylether | 15.49 | 204 | 263806 | 32.99  | ng | 97    |
| 66) 4-Bromophenyl-phenylether  | 16.38 | 248 | 135854 | 28.40  | ng | 93    |
| 69) Pentachlorophenol          | 16.83 | 266 | 61299  | 18.71  | ng | 95    |
| 70) Phenanthrene               | 17.23 | 178 | 166911 | 6.80   | ng | 99    |
| 71) Anthracene                 | 17.32 | 178 | 724359 | 29.27  | ng | 98    |
| 73) Di-n-butylphthalate        | 18.16 | 149 | 422298 | 13.85  | ng | 99    |
| 74) Fluoranthene               | 19.24 | 202 | 568876 | 19.99  | ng | 99    |
| 77) Pyrene                     | 19.61 | 202 | 451254 | 15.49  | ng | 98    |
| 79) Butylbenzylphthalate       | 20.51 | 149 | 385576 | 27.84  | ng | 99    |
| 80) Benzo(a)anthracene         | 21.35 | 228 | 437222 | 16.51  | ng | 98    |
| 82) Chrysene                   | 21.40 | 228 | 192933 | 7.78   | ng | 96    |
| 83) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 340712 | 17.99  | ng | 98    |
| 84) Di-n-octyl phthalate       | 22.19 | 149 | 558115 | 17.54  | ng | # 100 |
| 88) Benzo(k)fluoranthene       | 23.02 | 252 | 845125 | 32.46  | ng | 99    |
| 89) Benzo(a)pyrene             | 23.57 | 252 | 214067 | 8.48   | ng | 98    |

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

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