Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050817\

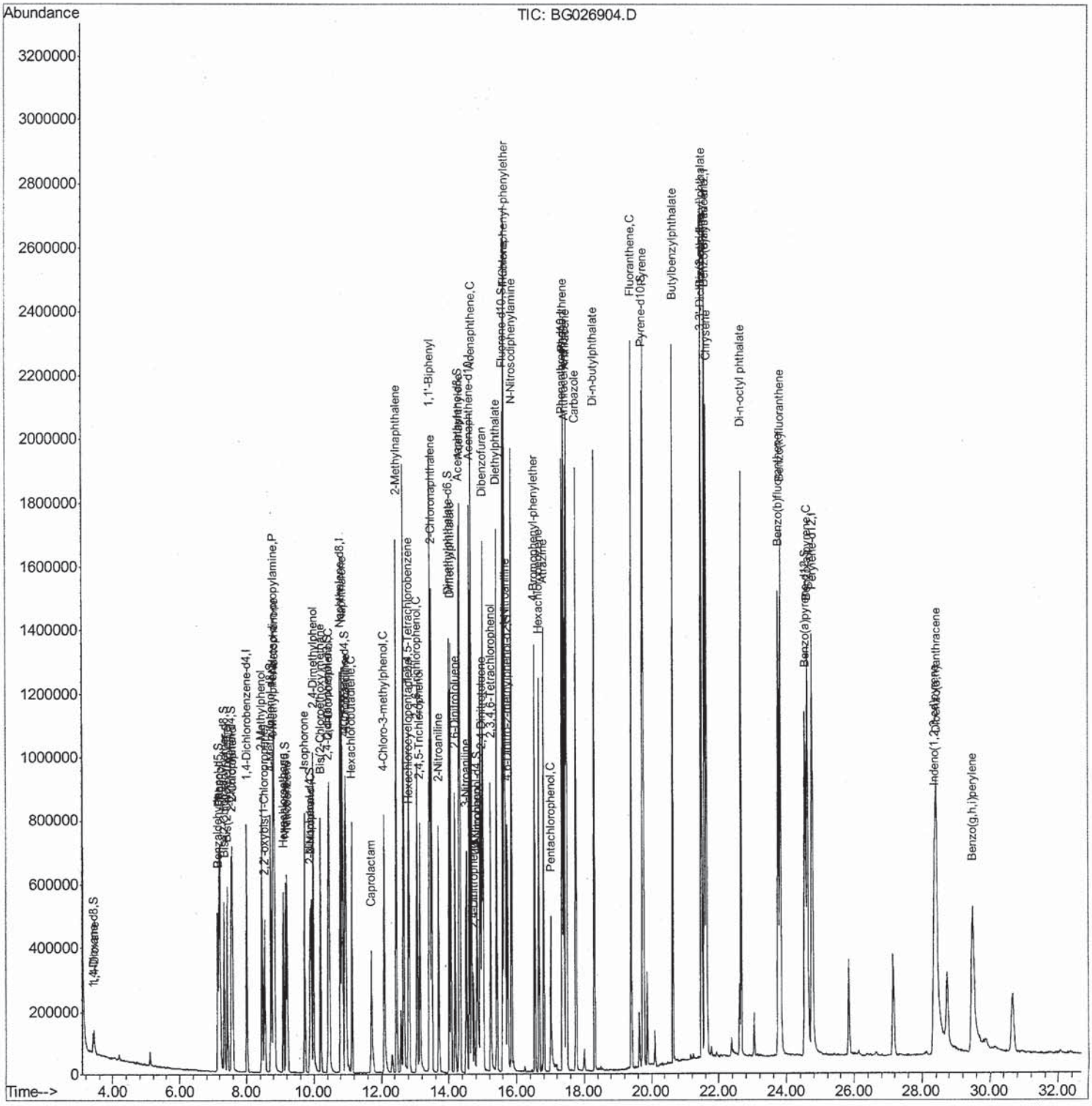
Quantitation Report (QT Reviewed)

Data File : BG026904.D
Acq On : 9 May 2017 1:47
Operator : SJ/MA
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 09 02:29:03 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 09 01:04:53 2017
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02079

**Manual Integrations APPROVED**
mohammad
5/9/2017 12:28:07 PM



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050817\

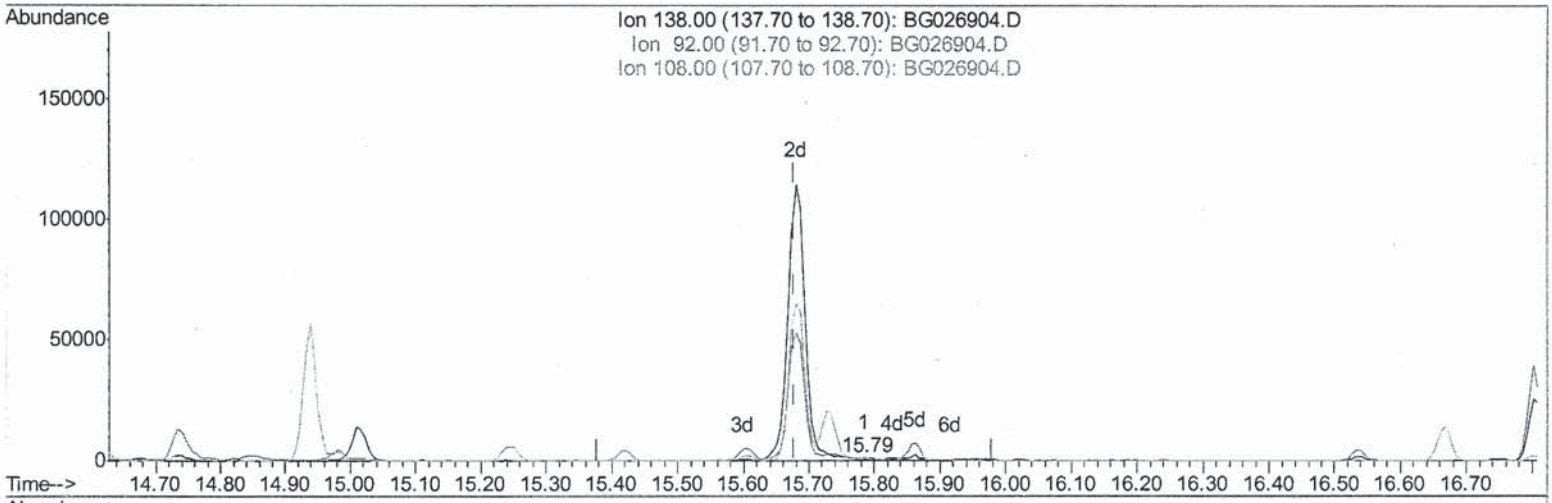
Quantitation Report (Qedit)

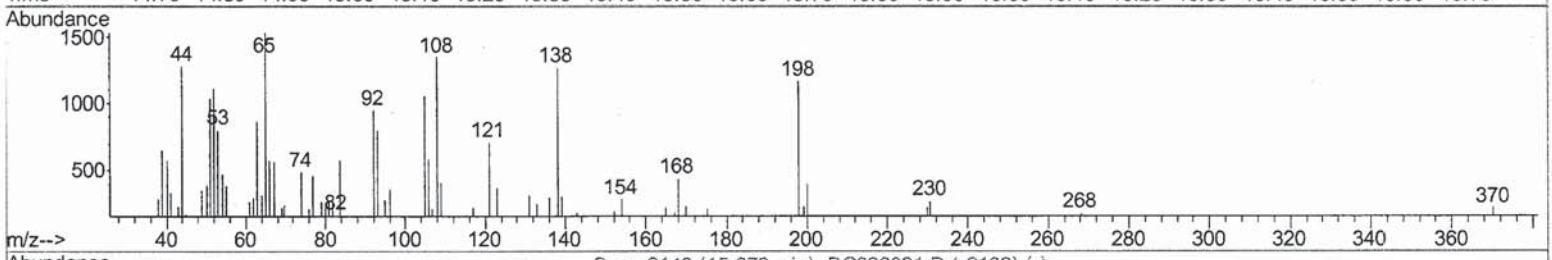
Data File : BG026904.D
Acq On : 9 May 2017 1:47
Operator : SJ/MA
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

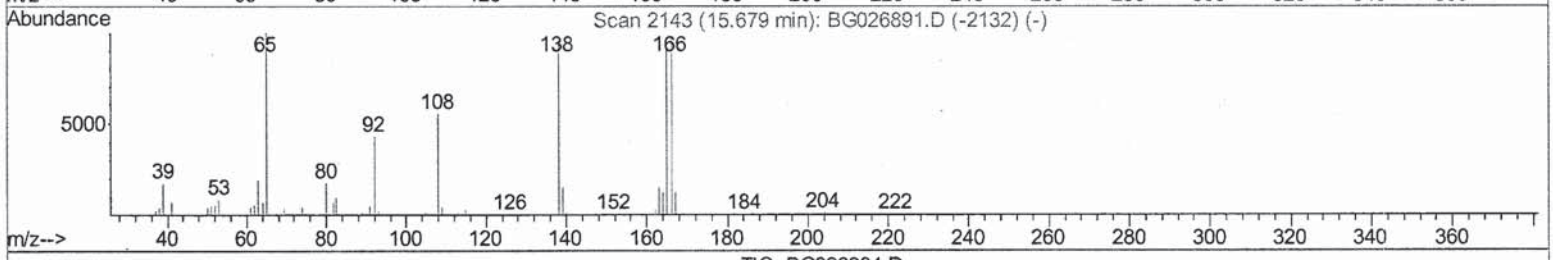
Quant Time: May 09 02:21:27 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 09 01:04:53 2017
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02079

**Manual Integrations APPROVED**
mohammad
5/9/2017 12:28:07 PM




TIC: BG026904.D

(60) 4-Nitroaniline

15.786min (+0.107) 0.04ng/ul

response 489

| Ion | Exp% | Act% |
|---|---|---|
| 138.00 | 100 | 100 |
| 92.00 | 71.10 | 75.08 |
| 108.00 | 131.10 | 106.25 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050817\

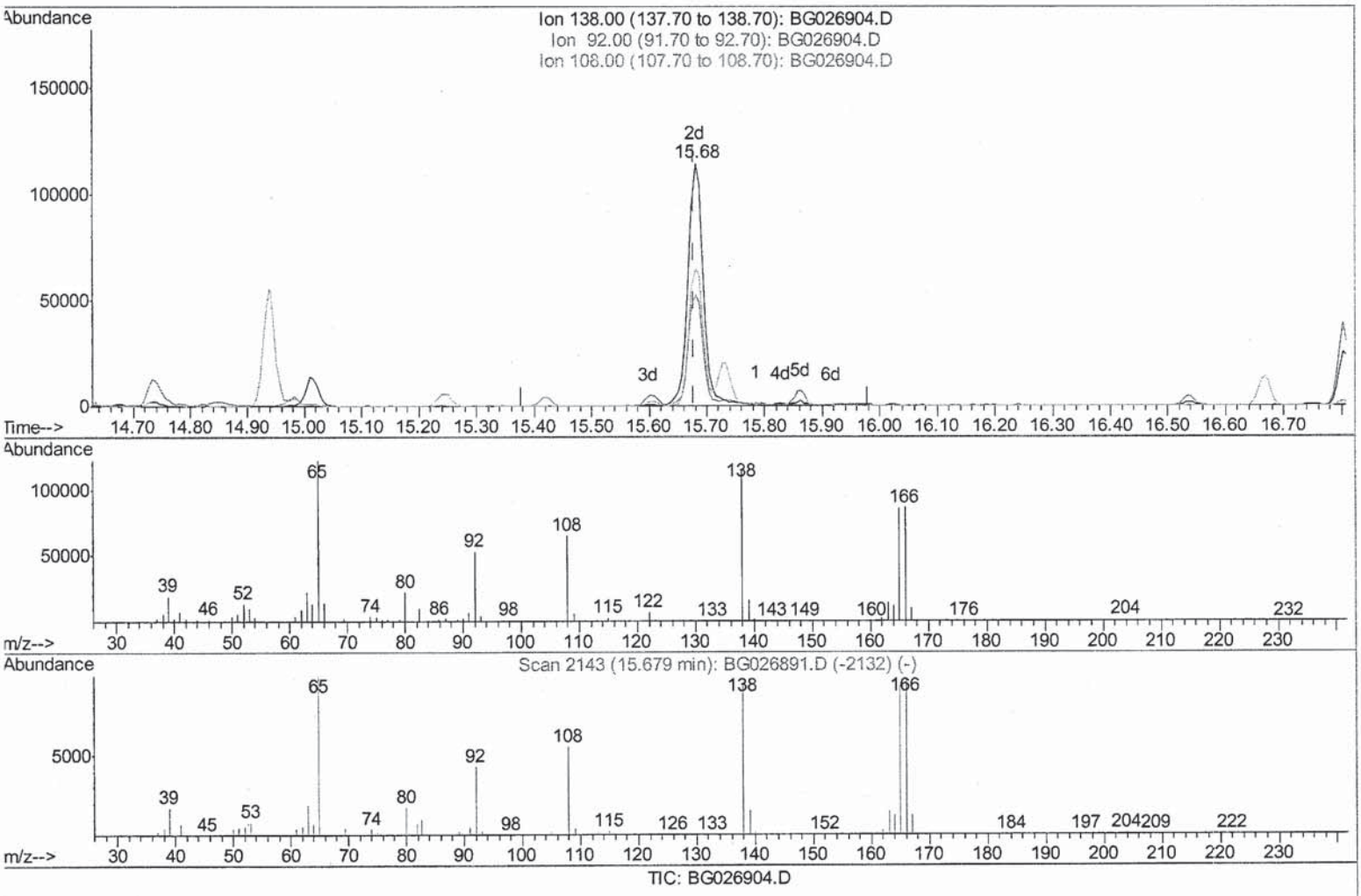
Quantitation Report (Qedit)

Data File : BG026904.D
Acq On : 9 May 2017 1:47
Operator : SJ/MA
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 09 02:21:27 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 09 01:04:53 2017
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02079

**Manual Integrations APPROVED**
mohammad
5/9/2017 12:28:07 PM




TIC: BG026904.D

(60) 4-Nitroaniline

15.680min (+0.001) 17.55ng/ul m SJ 5/12/17

response 208660

| Ion | Exp% | Act% |
|---|---|---|
| 138.00 | 100 | 100 |
| 92.00 | 71.10 | 46.15# |
| 108.00 | 131.10 | 56.99# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050817\

Quantitation Report (QT Reviewed)

Data File : BG026904.D
Acq On : 9 May 2017 1:47
Operator : SJ/MA
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 09 02:29:03 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 09 01:04:53 2017
Response via : Initial Calibration

**Instrument :** BNA_G
**LabSampleId :** SSTD02079

**Manual Integrations APPROVED**
mohammad
5/9/2017 12:28:07 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.01 | 152 | 237168 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.80 | 136 | 1135387 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.62 | 164 | 616519 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.35 | 188 | 1127821 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.60 | 240 | 1036835 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 24.76 | 264 | 1184376 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.42 | 96 | 39551 | 7.51 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.18 | 99 | 457136 | 21.60 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.33 | 67 | 258731 | 20.79 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.54 | 132 | 372530 | 20.73 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.72 | 113 | 370823 | 21.11 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.16 | 128 | 192563 | 20.29 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.89 | 143 | 209027 | 20.25 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.43 | 165 | 340754 | 20.78 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.94 | 131 | 479402 | 21.84 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.02 | 166 | 963897 | 19.42 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.31 | 160 | 1265802 | 20.31 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.83 | 143 | 150756 | 16.86 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.60 | 176 | 835267 | 19.28 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.73 | 200 | 124739 | 18.21 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.45 | 188 | 1104988 | 20.19 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.73 | 212 | 1050325 | 19.19 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 24.55 | 264 | 1117904 | 19.96 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.46 | 88 | 42400 | 7.06 | ng/uL# | 85 |
| 4) Benzaldehyde | 7.14 | 77 | 193958 | 18.96 | ng/ul# | 62 |
| 6) Phenol | 7.21 | 94 | 466681 | 21.75 | ng/ul# | 76 |
| 8) Bis(2-Chloroethyl)ether | 7.42 | 93 | 334790 | 20.21 | ng/ul | 91 |
| 10) 2-Chlorophenol | 7.58 | 128 | 366111 | 20.71 | ng/ul# | 81 |
| 11) 2-Methylphenol | 8.45 | 108 | 362386 | 21.34 | ng/ul | 95 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.54 | 45 | 374334 | 21.66 | ng/ul# | 87 |
| 14) Acetophenone | 8.82 | 105 | 531843 | 20.61 | ng/ul# | 73 |
| 15) N-Nitroso-di-n-propylamine | 8.81 | 70 | 245511 | 19.29 | ng/ul# | 72 |
| 16) 4-Methylphenol | 8.78 | 108 | 399530 | 21.51 | ng/ul | 98 |
| 17) Hexachloroethane | 9.09 | 117 | 133474 | 20.07 | ng/ul# | 73 |
| 20) Nitrobenzene | 9.21 | 77 | 375300 | 20.49 | ng/ul# | 76 |
| 21) Isophorone | 9.72 | 82 | 683149 | 19.43 | ng/ul# | 89 |
| 23) 2-Nitrophenol | 9.92 | 139 | 221815 | 20.44 | ng/ul# | 60 |
| 24) 2,4-Dimethylphenol | 9.98 | 107 | 408587 | 20.65 | ng/ul# | 80 |
| 25) Bis(2-Chloroethoxy)methane | 10.20 | 93 | 470949 | 19.61 | ng/ul# | 93 |
| 27) 2,4-Dichlorophenol | 10.46 | 162 | 337044 | 20.61 | ng/ul | 95 |
| 28) Naphthalene | 10.86 | 128 | 1168385 | 19.77 | ng/ul | 98 |
| 30) 4-Chloroaniline | 10.96 | 127 | 460374 | 22.23 | ng/ul | 93 |
| 31) Hexachlorobutadiene | 11.14 | 225 | 160968 | 19.46 | ng/ul | 89 |
| 32) Caprolactam | 11.71 | 113 | 119677 | 19.58 | ng/ul# | 62 |
| 33) 4-Chloro-3-methylphenol | 12.09 | 107 | 390292 | 22.01 | ng/ul | 86 |
| 34) 2-Methylnaphthalene | 12.45 | 142 | 868455 | 19.80 | ng/ul | 96 |

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050817\

Quantitation Report (QT Reviewed)

Data File : BG026904.D
Acq On : 9 May 2017 1:47
Operator : SJ/MA
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 09 02:29:03 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 09 01:04:53 2017
Response via : Initial Calibration

**Instrument :** BNA_G
**LabSampleId :** SSTD02079

**Manual Integrations APPROVED**
mohammad
5/9/2017 12:28:07 PM

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.82 | 216 | 324518 | 19.96 ng/ul# | 96 |
| 37) Hexachlorocyclopentadiene | 12.80 | 237 | 112359 | 15.69 ng/ul | 98 |
| 38) 2,4,6-Trichlorophenol | 13.07 | 196 | 233797 | 20.91 ng/ul | 94 |
| 39) 2,4,5-Trichlorophenol | 13.15 | 196 | 236304 | 20.44 ng/ul | 97 |
| 40) 1,1'-Biphenyl | 13.45 | 154 | 1032959 | 19.93 ng/ul | 96 |
| 41) 2-Chloronaphthalene | 13.50 | 162 | 786964 | 20.20 ng/ul | 95 |
| 42) 2-Nitroaniline | 13.70 | 65 | 241959 | 21.74 ng/ul# | 70 |
| 44) Dimethylphthalate | 14.06 | 163 | 930479 | 19.15 ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 14.19 | 165 | 205122 | 20.01 ng/ul# | 85 |
| 47) Acenaphthylene | 14.34 | 152 | 1265125 | 19.93 ng/ul | 98 |
| 48) 3-Nitroaniline | 14.52 | 138 | 216279 | 20.05 ng/ul# | 78 |
| 49) Acenaphthene | 14.68 | 153 | 871384 | 19.73 ng/ul | 97 |
| 50) 2,4-Dinitrophenol | 14.73 | 184 | 89847 | 17.14 ng/ul# | 77 |
| 52) 4-Nitrophenol | 14.85 | 109 | 86326 | 16.46 ng/ul# | 38 |
| 53) Dibenzofuran | 15.02 | 168 | 1136155 | 19.33 ng/ul | 95 |
| 54) 2,4-Dinitrotoluene | 14.98 | 165 | 288200 | 19.64 ng/ul# | 74 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.25 | 232 | 168617 | 18.57 ng/ul# | 75 |
| 56) Diethylphthalate | 15.42 | 149 | 975804 | 19.19 ng/ul | 99 |
| 58) Fluorene | 15.66 | 166 | 915786 | 19.09 ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 15.65 | 204 | 396706 | 18.96 ng/ul# | 92 |
| 60) 4-Nitroaniline | 15.68 | 138 | 208660m | 17.55 ng/ul | |
| 63) 4,6-Dinitro-2-methylphenol | 15.74 | 198 | 128153 | 17.97 ng/ul# | 91 |
| 64) N-Nitrosodiphenylamine | 15.86 | 169 | 767644 | 20.71 ng/ul | 97 |
| 65) 4-Bromophenyl-phenylether | 16.54 | 248 | 229550 | 20.40 ng/ul# | 81 |
| 66) Hexachlorobenzene | 16.67 | 284 | 243503 | 20.09 ng/ul# | 88 |
| 67) Atrazine | 16.80 | 200 | 241822 | 20.87 ng/ul | 93 |
| 68) Pentachlorophenol | 17.01 | 266 | 103134 | 18.63 ng/ul | 91 |
| 69) Phenanthrene | 17.40 | 178 | 1258683 | 19.81 ng/ul | 98 |
| 71) Anthracene | 17.48 | 178 | 1313364 | 20.15 ng/ul | 99 |
| 72) Carbazole | 17.75 | 167 | 1203301 | 21.83 ng/ul | 98 |
| 73) Di-n-butylphthalate | 18.30 | 149 | 1512734 | 21.10 ng/ul# | 97 |
| 74) Fluoranthene | 19.40 | 202 | 1311942 | 22.24 ng/ul# | 78 |
| 77) Pyrene | 19.76 | 202 | 1329457 | 19.11 ng/ul# | 76 |
| 78) Butylbenzylphthalate | 20.63 | 149 | 698290 | 21.61 ng/ul# | 84 |
| 79) 3,3'-Dichlorobenzidine | 21.49 | 252 | 438300 | 21.99 ng/ul# | 94 |
| 80) Benzo(a)anthracene | 21.58 | 228 | 1214240 | 20.02 ng/ul | 98 |
| 81) Bis(2-ethylhexyl)phthalate | 21.47 | 149 | 992081 | 21.52 ng/ul# | 98 |
| 82) Chrysene | 21.64 | 228 | 1107346 | 19.66 ng/ul | 98 |
| 84) Di-n-octyl phthalate | 22.65 | 149 | 1746499 | 21.46 ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 23.75 | 252 | 1297696 | 19.17 ng/ul# | 93 |
| 86) Benzo(k)fluoranthene | 23.82 | 252 | 1331807 | 20.03 ng/ul# | 93 |
| 88) Benzo(a)pyrene | 24.61 | 252 | 1315774 | 19.75 ng/ul# | 92 |
| 89) Indeno(1,2,3-cd)pyrene | 28.37 | 276 | 1481149 | 18.76 ng/ul# | 81 |
| 90) Dibenzo(a,h)anthracene | 28.41 | 278 | 1261937 | 18.85 ng/ul# | 87 |
| 91) Benzo(g,h,i)perylene | 29.49 | 276 | 1079164 | 16.48 ng/ul# | 81 |

SJ 5/12/17

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