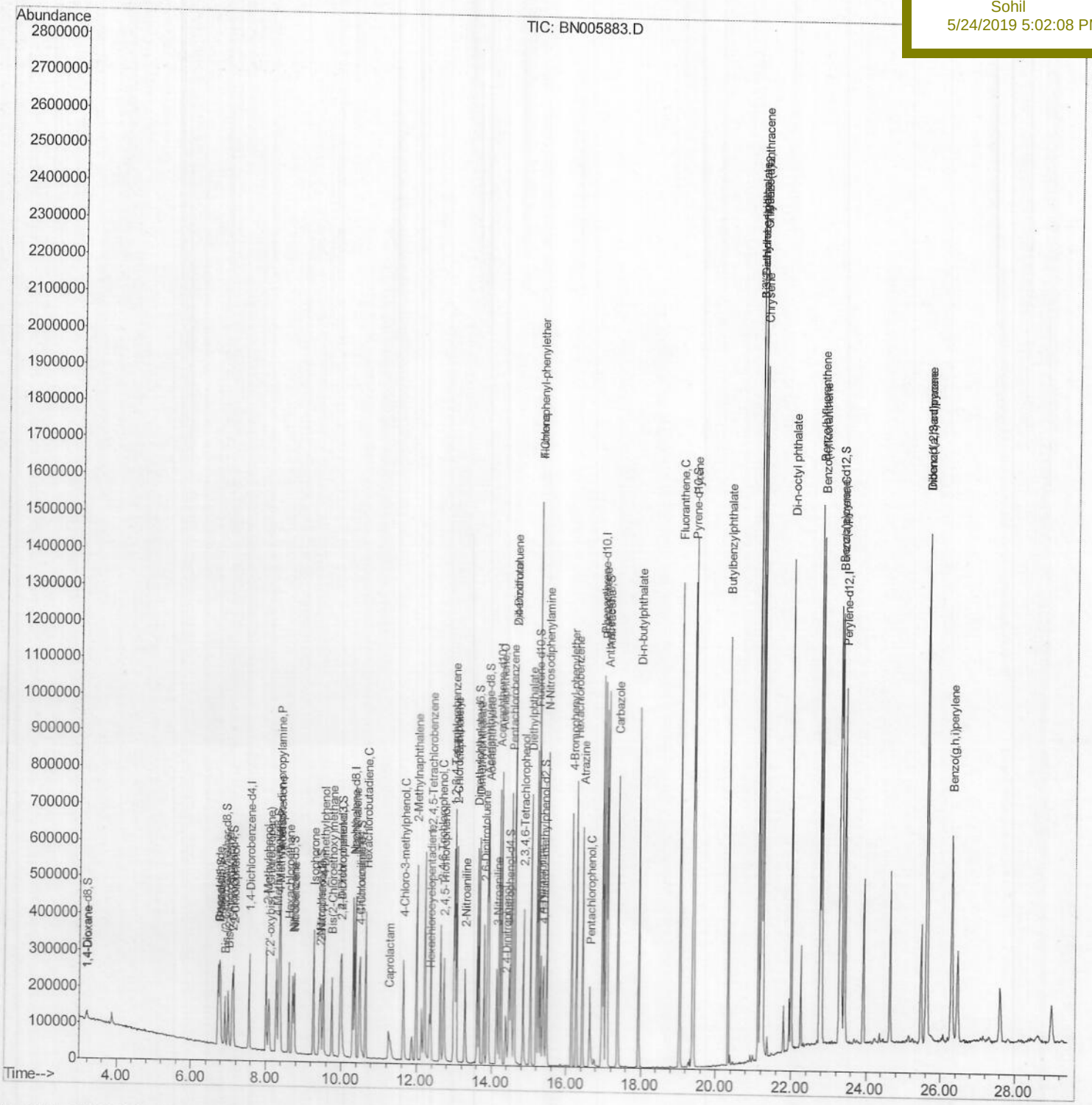
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052319\
Data File : BN005883.D
Acq On : 23 May 2019 11:35
Operator : JU/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 17:13:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**LabSampleId :**
SSTD02094

**Manual Integrations APPROVED**
Sohil
5/24/2019 5:02:08 PM



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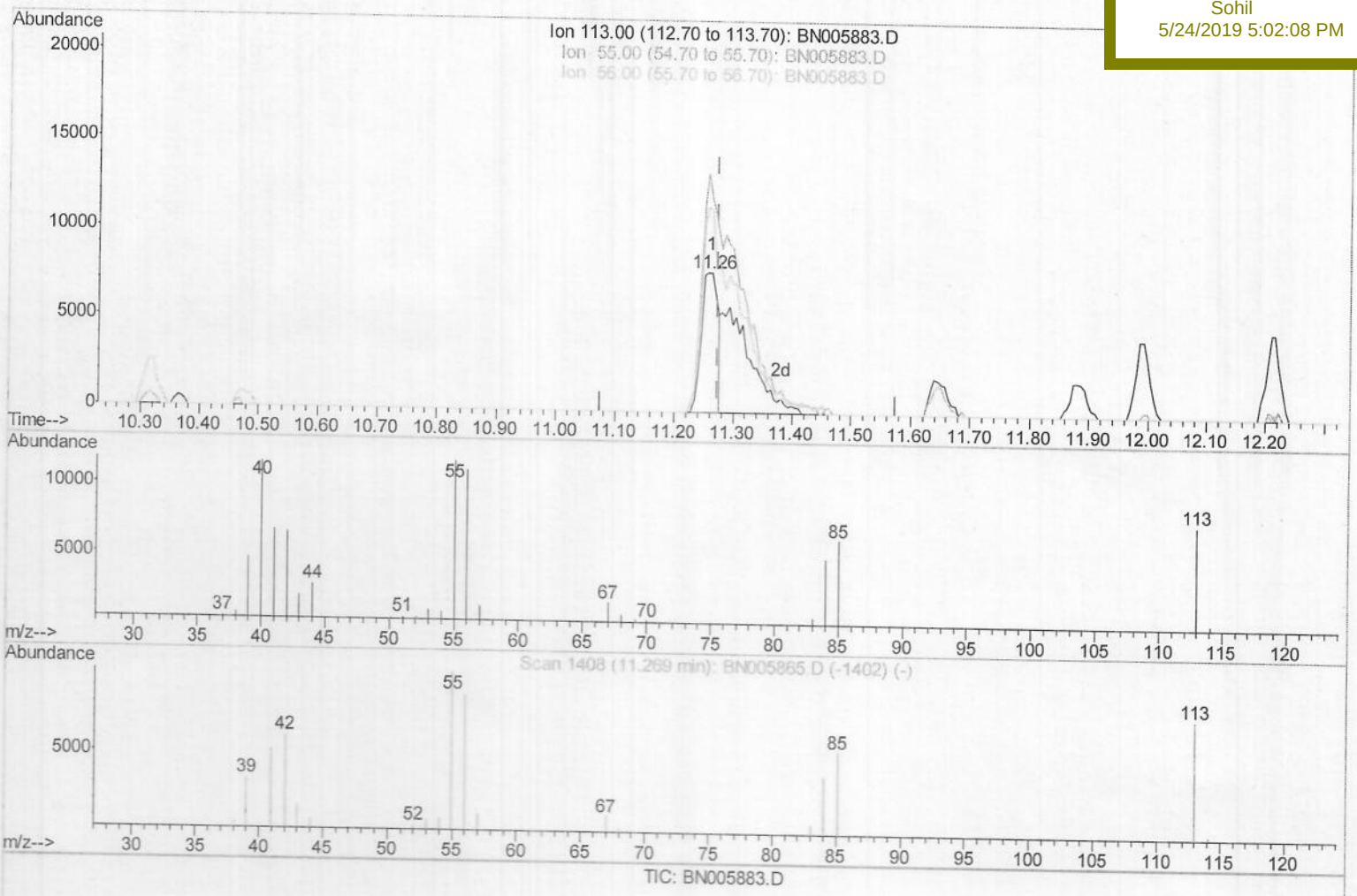


TIC: BN005883.D

(32) Caprolactam

11.263min (-0.012) 7.74ng/ul

response 15075

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 196.20 | 152.50# |
| 56.00 | 148.90 | 144.71 |
| 0.00 | 0.00 | 0.00 |

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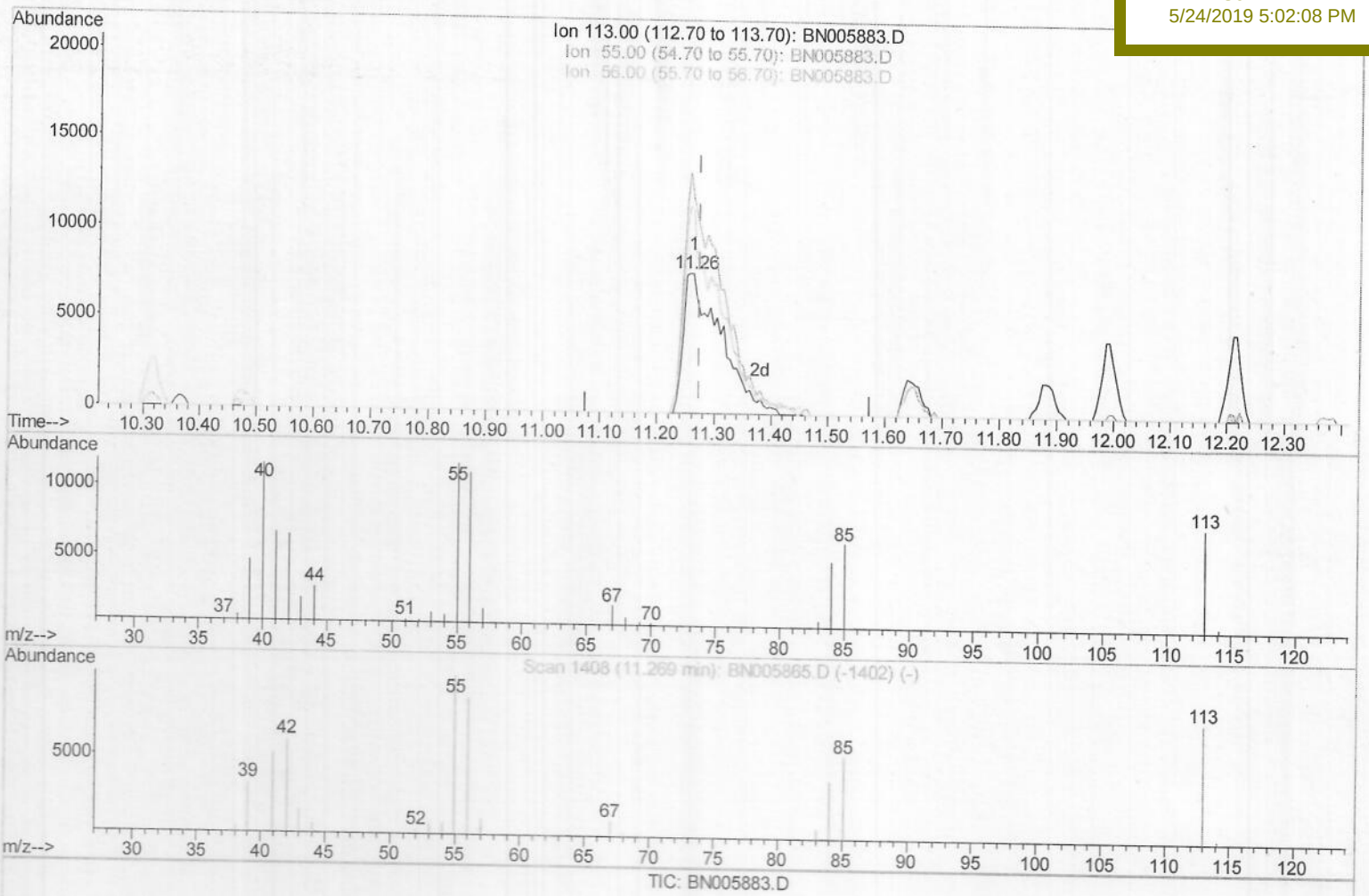


TIC: BN005883.D

(32) Caprolactam

11.263min (-0.012) 18.30ng/ul m) JU06/05/19

response 35648

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 196.20 | 152.50# |
| 56.00 | 148.90 | 144.71 |
| 0.00 | 0.00 | 0.00 |

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**LabSampleId :** SSTD02094

**Manual Integrations APPROVED**
Sohil
5/24/2019 5:02:08 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.56 | 152 | 77757 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.32 | 136 | 345345 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.20 | 164 | 241994 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 16.96 | 188 | 634600 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.20 | 240 | 778829 | 20.00 | ng/ul | 0.01 |
| 85) Perylene-d12 | 23.43 | 264 | 789867 | 20.00 | ng/ul | 0.03 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.18 | 96 | 10084 | 7.26 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.76 | 99 | 117022 | 19.48 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.91 | 67 | 60338 | 19.24 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.10 | 132 | 96451 | 19.96 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.28 | 113 | 97190 | 18.91 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.71 | 128 | 49483 | 19.74 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.42 | 143 | 56128 | 19.39 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.96 | 165 | 114785 | 20.78 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.48 | 131 | 124491 | 20.29 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.62 | 166 | 377196 | 20.26 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.89 | 160 | 462275 | 20.43 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.46 | 143 | 37483 | 14.29 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.20 | 176 | 339177 | 21.21 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.37 | 200 | 54355 | 14.25 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.06 | 188 | 583492 | 21.28 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.38 | 212 | 734842 | 19.15 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.29 | 264 | 760570 | 21.47 | ng/ul | 0.03 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.20 | 88 | 11731 | 8.023 | ng/uL | 91 |
| 4) Benzaldehyde | 6.72 | 77 | 84300 | 19.379 | ng/ul | 98 |
| 6) Phenol | 6.78 | 94 | 119189 | 19.457 | ng/ul | 93 |
| 8) Bis(2-Chloroethyl)ether | 7.00 | 93 | 88131 | 19.633 | ng/ul | 95 |
| 10) 2-Chlorophenol | 7.13 | 128 | 97085 | 19.840 | ng/ul | 96 |
| 11) 2-Methylphenol | 8.01 | 108 | 91094 | 18.729 | ng/ul | 95 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.08 | 45 | 113075 | 19.157 | ng/ul# | 90 |
| 14) Acetophenone | 8.38 | 105 | 162818 | 19.789 | ng/ul | 96 |
| 15) N-Nitroso-di-n-propylamine | 8.36 | 70 | 75599 | 19.028 | ng/ul | 94 |
| 16) 4-Methylphenol | 8.34 | 108 | 102024 | 19.059 | ng/ul | 90 |
| 17) Hexachloroethane | 8.61 | 117 | 42797 | 20.383 | ng/ul | 85 |
| 20) Nitrobenzene | 8.75 | 77 | 124442 | 21.475 | ng/ul | 95 |
| 21) Isophorone | 9.26 | 82 | 226950 | 19.644 | ng/ul# | 97 |
| 23) 2-Nitrophenol | 9.46 | 139 | 59397 | 19.710 | ng/ul# | 86 |
| 24) 2,4-Dimethylphenol | 9.52 | 107 | 126401 | 20.311 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 9.75 | 93 | 125877 | 19.268 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 9.99 | 162 | 112601 | 21.184 | ng/ul | 98 |
| 28) Naphthalene | 10.37 | 128 | 333107 | 20.192 | ng/ul | 98 |
| 30) 4-Chloroaniline | 10.50 | 127 | 125709 | 20.263 | ng/ul | 96 |
| 31) Hexachlorobutadiene | 10.65 | 225 | 88000 | 22.698 | ng/ul | 98 |
| 32) Caprolactam | 11.26 | 113 | 35648m | 18.304 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.65 | 107 | 125763 | 20.918 | ng/ul | 97 |
| 34) 2-Methylnaphthalene | 11.99 | 142 | 259454 | 20.365 | ng/ul | 100 |

) JU06/05/19

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Sohil
5/24/2019 5:02:08 PM

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.37 | 216 | 173749 | 22.301 ng/ul | 98 |
| 37) Hexachlorocyclopentadiene | 12.34 | 237 | 36716 | 15.121 ng/ul | 95 |
| 38) 2,4,6-Trichlorophenol | 12.63 | 196 | 100365 | 20.810 ng/ul | 94 |
| 39) 2,4,5-Trichlorophenol | 12.72 | 196 | 101857 | 20.105 ng/ul | 98 |
| 40) 1,1'-Biphenyl | 13.02 | 154 | 361295 | 20.532 ng/ul# | 95 |
| 41) 2-Chloronaphthalene | 13.06 | 162 | 289060 | 20.798 ng/ul | 97 |
| 42) 2-Nitroaniline | 13.29 | 65 | 79052 | 19.732 ng/ul | 95 |
| 44) Dimethylphthalate | 13.66 | 163 | 369969 | 20.153 ng/ul | 100 |
| 45) 2,6-Dinitrotoluene | 13.80 | 165 | 75431 | 19.499 ng/ul | 98 |
| 47) Acenaphthylene | 13.92 | 152 | 448710 | 20.597 ng/ul | 99 |
| 48) 3-Nitroaniline | 14.13 | 138 | 66975 | 19.649 ng/ul# | 92 |
| 49) Acenaphthene | 14.26 | 153 | 305615 | 20.704 ng/ul | 97 |
| 50) 2,4-Dinitrophenol | 14.38 | 184 | 42031 | 21.115 ng/ul | 93 |
| 52) 4-Nitrophenol | 14.47 | 109 | 51422 | 20.991 ng/ul | 86 |
| 53) Dibenzofuran | 14.60 | 168 | 466250 | 21.290 ng/ul | 97 |
| 54) 2,4-Dinitrotoluene | 14.61 | 165 | 121280 | 20.921 ng/ul# | 82 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.85 | 232 | 101389 | 21.553 ng/ul# | 95 |
| 56) Diethylphthalate | 15.04 | 149 | 380203 | 20.463 ng/ul | 97 |
| 58) Fluorene | 15.26 | 166 | 381121 | 21.395 ng/ul | 97 |
| 59) 4-Chlorophenyl-phenylether | 15.25 | 204 | 211100 | 21.722 ng/ul | 98 |
| 60) 4-Nitroaniline | 15.31 | 138 | 76248 | 20.065 ng/ul | 88 |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 198 | 54588 | 14.286 ng/ul# | 97 |
| 64) N-Nitrosodiphenylamine | 15.47 | 169 | 323570 | 19.701 ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.15 | 248 | 142591 | 21.458 ng/ul | 96 |
| 66) Hexachlorobenzene | 16.27 | 284 | 166527 | 22.337 ng/ul | 94 |
| 67) Atrazine | 16.43 | 200 | 133763 | 19.410 ng/ul | 96 |
| 68) Pentachlorophenol | 16.63 | 266 | 61170 | 17.784 ng/ul | 96 |
| 69) Phenanthrene | 17.00 | 178 | 657703 | 20.908 ng/ul | 99 |
| 71) Anthracene | 17.10 | 178 | 680568 | 21.248 ng/ul | 100 |
| 72) 1,2,3,4-Tetrachlorobenzene | 12.99 | 216 | 182748 | 21.480 ng/uL | 99 |
| 73) Pentachlorobenzene | 14.53 | 250 | 178924 | 21.323 ng/uL | 100 |
| 74) Carbazole | 17.37 | 167 | 587349 | 20.799 ng/ul | 99 |
| 75) Di-n-butylphthalate | 17.94 | 149 | 649059 | 19.242 ng/ul | 99 |
| 76) Fluoranthene | 19.04 | 202 | 867721 | 22.311 ng/ul# | 89 |
| 79) Pyrene | 19.41 | 202 | 914772 | 19.127 ng/ul# | 86 |
| 80) Butylbenzylphthalate | 20.33 | 149 | 319150 | 16.288 ng/ul | 96 |
| 81) 3,3'-Dichlorobenzidine | 21.13 | 252 | 319176 | 19.510 ng/ul# | 96 |
| 82) Benzo(a)anthracene | 21.19 | 228 | 1005058 | 20.484 ng/ul | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.13 | 149 | 476762 | 17.149 ng/ul# | 97 |
| 84) Chrysene | 21.25 | 228 | 962063 | 20.799 ng/ul | 99 |
| 86) Di-n-octyl phthalate | 22.01 | 149 | 882756 | 20.946 ng/ul | 100 |
| 87) Benzo(b)fluoranthene | 22.77 | 252 | 1004991 | 23.128 ng/ul# | 95 |
| 88) Benzo(k)fluoranthene | 22.81 | 252 | 918573 | 21.847 ng/ul# | 96 |
| 90) Benzo(a)pyrene | 23.33 | 252 | 895582 | 21.284 ng/ul# | 95 |
| 91) Indeno(1,2,3-cd)pyrene | 25.62 | 276 | 943542 | 18.341 ng/ul# | 92 |
| 92) Dibenzo(a,h)anthracene | 25.62 | 278 | 807094 | 18.637 ng/ul# | 93 |
| 93) Benzo(g,h,i)perylene | 26.29 | 276 | 766789 | 17.831 ng/ul# | 90 |

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