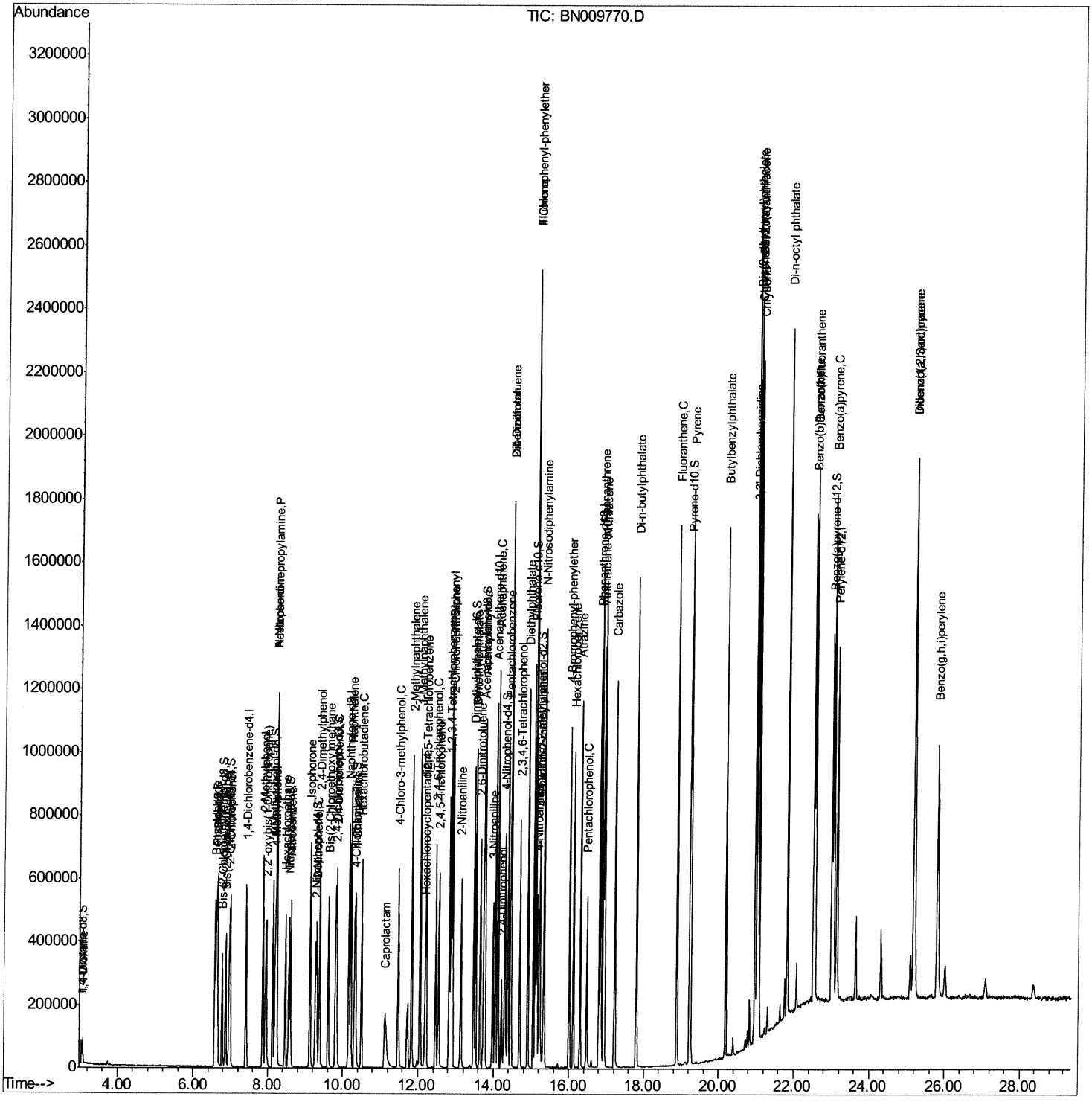
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021820\
Data File : BN009770.D
Acq On : 19 Feb 2020 07:59
Operator : CG/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Feb 19 08:35:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 19 04:46:48 2020
Response via : Initial Calibration

**Instrument :**
BNA_N
**LabSampleId :**
SSTD02071

**Manual Integrations APPROVED**
mohammad
2/20/2020 8:58:33 AM



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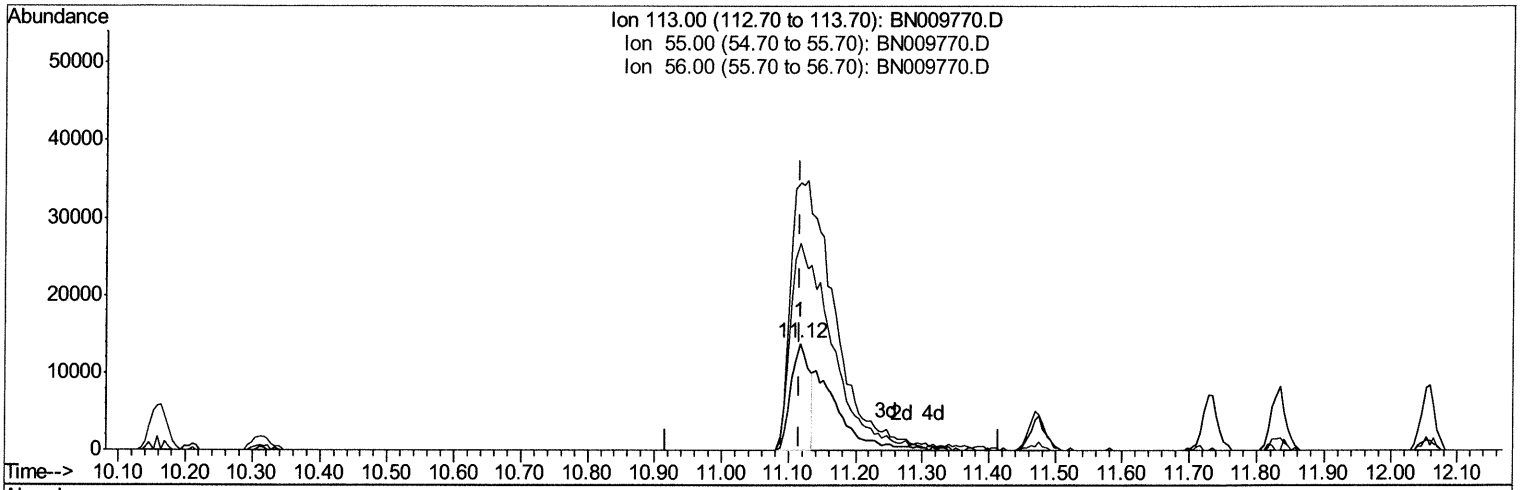


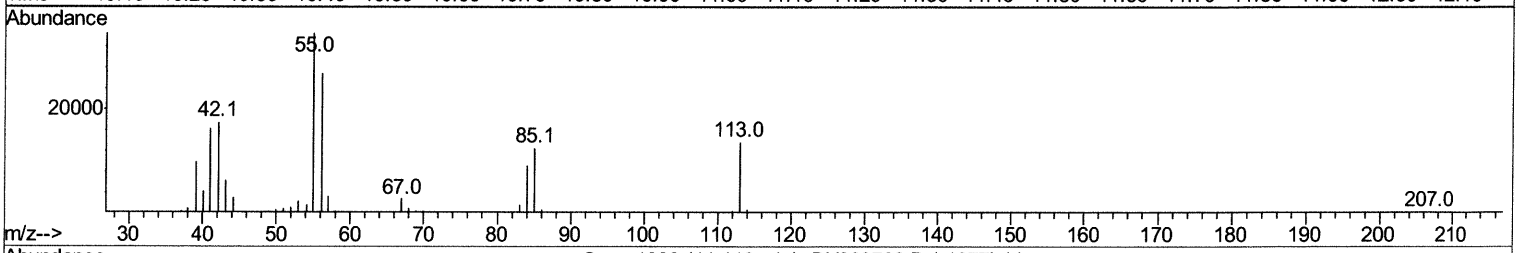


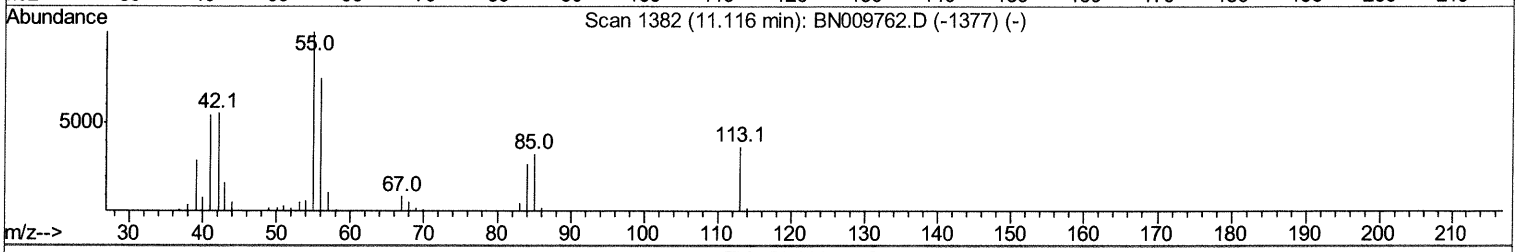


TIC: BN009770.D

(32) Caprolactam

11.116min (+0.000) 9.42ng/ul

response 26470

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 261.40 | 250.48 |
| 56.00 | 202.00 | 194.66 |
| 0.00 | 0.00 | 0.00 |

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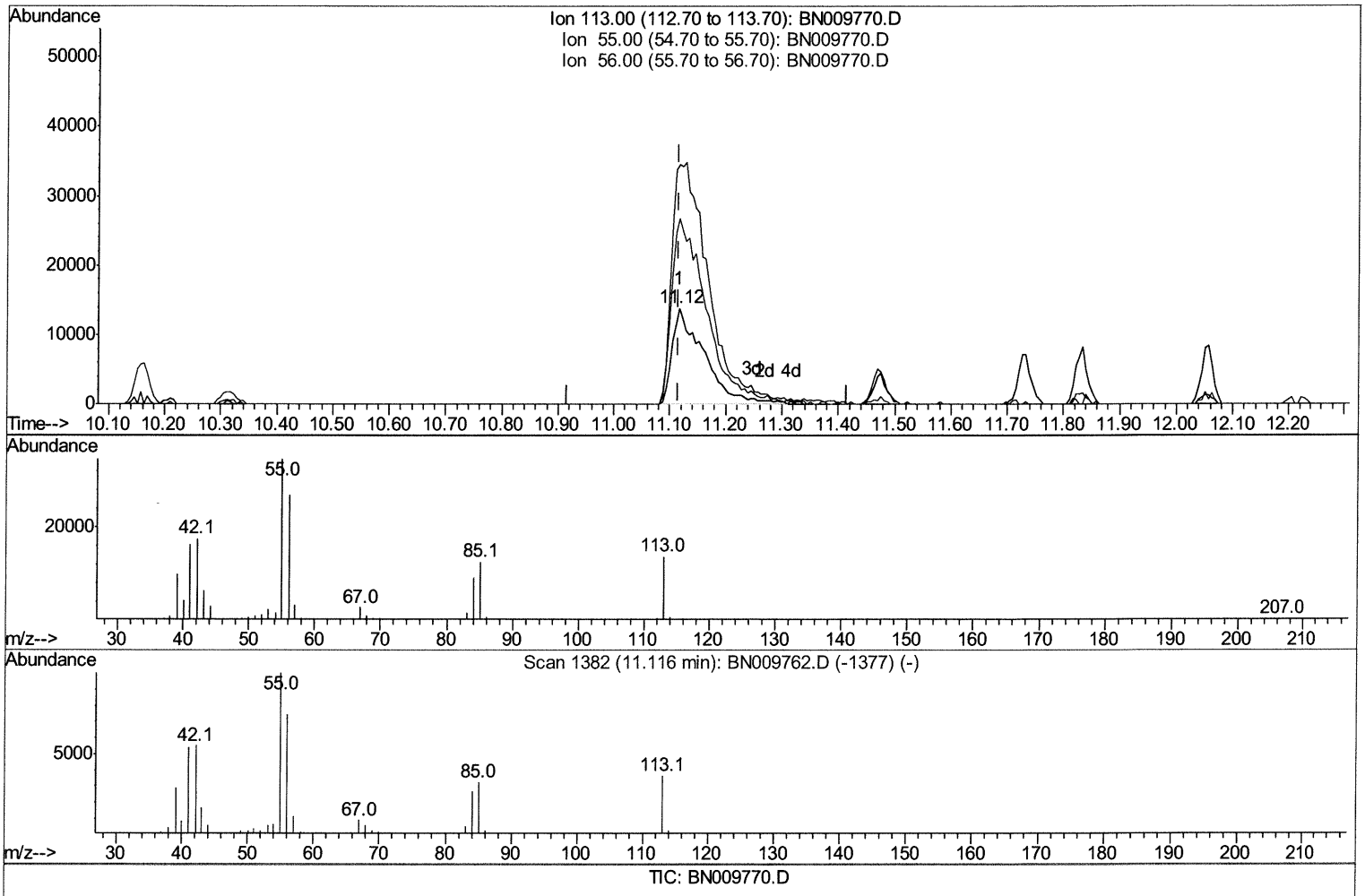


(32) Caprolactam

11.116min (+0.000) 19.60ng/ul m JU 02/21/20

response 55096

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 261.40 | 250.48 |
| 56.00 | 202.00 | 194.66 |
| 0.00 | 0.00 | 0.00 |

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2/20/2020 8:58:33 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.41 | 152 | 131867 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.16 | 136 | 539955 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.05 | 164 | 348984 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 16.81 | 188 | 725339 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.03 | 240 | 693311 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.13 | 264 | 707930 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.05 | 96 | 25476 | 7.95 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.61 | 99 | 221181 | 19.72 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.77 | 67 | 161363 | 20.85 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 6.95 | 132 | 176097 | 20.85 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.13 | 113 | 178600 | 20.02 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.56 | 128 | 85612 | 21.67 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.27 | 143 | 93030 | 21.53 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.80 | 165 | 177900 | 21.41 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.31 | 131 | 199417 | 21.36 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.48 | 166 | 525685 | 20.17 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.74 | 160 | 644115 | 20.98 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.29 | 143 | 88245 | 18.54 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.06 | 176 | 471479 | 20.95 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.21 | 200 | 86476 | 19.19 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 16.91 | 188 | 707173 | 21.27 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.22 | 212 | 753680 | 20.80 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.00 | 264 | 739828 | 20.93 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.08 | 88 | 27491 | 7.464 | ng/uL | 95 |
| 4) Benzaldehyde | 6.58 | 77 | 164949 | 22.114 | ng/ul | 96 |
| 6) Phenol | 6.64 | 94 | 238292 | 19.825 | ng/ul | 94 |
| 8) Bis(2-Chloroethyl)ether | 6.86 | 93 | 196763 | 20.828 | ng/ul | 100 |
| 10) 2-Chlorophenol | 6.99 | 128 | 184506 | 20.743 | ng/ul | 97 |
| 11) 2-Methylphenol | 7.86 | 108 | 178548 | 20.300 | ng/ul | 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 7.95 | 45 | 505641 | 21.834 | ng/ul | 98 |
| 14) Acetophenone | 8.23 | 105 | 295042 | 20.294 | ng/ul | 98 |
| 15) N-Nitroso-di-n-propylamine | 8.22 | 70 | 162411 | 21.379 | ng/ul | 95 |
| 16) 4-Methylphenol | 8.19 | 108 | 194924 | 20.197 | ng/ul | 97 |
| 17) Hexachloroethane | 8.46 | 117 | 83869 | 20.726 | ng/ul | 95 |
| 20) Nitrobenzene | 8.60 | 77 | 250672 | 21.535 | ng/ul | 99 |
| 21) Isophorone | 9.12 | 82 | 429546 | 20.968 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.30 | 139 | 102317 | 21.159 | ng/ul | 95 |
| 24) 2,4-Dimethylphenol | 9.37 | 107 | 222347 | 21.178 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 9.60 | 93 | 263469 | 21.043 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 9.83 | 162 | 181186 | 21.617 | ng/ul | 95 |
| 28) Naphthalene | 10.21 | 128 | 615206 | 21.129 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.33 | 127 | 203813 | 21.323 | ng/ul | 95 |
| 31) Hexachlorobutadiene | 10.50 | 225 | 116760 | 20.830 | ng/ul | 91 |
| 32) Caprolactam | 11.12 | 113 | 55096m ? | 19.601 | ng/ul ? | JU 02/21/20 |
| 33) 4-Chloro-3-methylphenol | 11.48 | 107 | 202072 | 21.084 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 11.83 | 142 | 429302 | 21.233 | ng/ul | 96 |

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**Manual Integrations APPROVED**
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2/20/2020 8:58:33 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.06 | 142 | 430686 | 21.252 | ng/uL | 100 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.22 | 216 | 215611 | 20.844 | ng/ul | 97 |
| 38) Hexachlorocyclopentadiene | 12.19 | 237 | 84018 | 18.773 | ng/ul | 94 |
| 39) 2,4,6-Trichlorophenol | 12.47 | 196 | 136184 | 20.743 | ng/ul | 96 |
| 40) 2,4,5-Trichlorophenol | 12.55 | 196 | 149219 | 21.186 | ng/ul | 96 |
| 41) 1,1'-Biphenyl | 12.88 | 154 | 569127 | 21.233 | ng/ul | 96 |
| 42) 2-Chloronaphthalene | 12.91 | 162 | 447752 | 21.034 | ng/ul | 100 |
| 43) 2-Nitroaniline | 13.13 | 65 | 166779 | 21.424 | ng/ul | 98 |
| 45) Dimethylphthalate | 13.52 | 163 | 553592 | 20.353 | ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 13.65 | 165 | 112967 | 21.215 | ng/ul | 97 |
| 48) Acenaphthylene | 13.77 | 152 | 701761 | 21.119 | ng/ul | 99 |
| 49) 3-Nitroaniline | 13.97 | 138 | 97580 | 19.849 | ng/ul | 94 |
| 50) Acenaphthene | 14.12 | 153 | 470173 | 20.640 | ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.20 | 184 | 52156 | 17.061 | ng/ul | 99 |
| 53) 4-Nitrophenol | 14.30 | 109 | 86600 | 20.159 | ng/ul | 94 |
| 54) Dibenzofuran | 14.46 | 168 | 657854 | 20.575 | ng/ul | 97 |
| 55) 2,4-Dinitrotoluene | 14.45 | 165 | 163889 | 20.767 | ng/ul | 91 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.69 | 232 | 125567 | 20.736 | ng/ul | 97 |
| 57) Diethylphthalate | 14.90 | 149 | 574933 | 20.585 | ng/ul | 99 |
| 59) Fluorene | 15.11 | 166 | 552652 | 20.596 | ng/ul | 96 |
| 60) 4-Chlorophenyl-phenylether | 15.12 | 204 | 272842 | 20.618 | ng/ul | 99 |
| 61) 4-Nitroaniline | 15.15 | 138 | 114170 | 19.045 | ng/ul | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 15.23 | 198 | 92985 | 19.157 | ng/ul | 99 |
| 65) N-Nitrosodiphenylamine | 15.33 | 169 | 467382 | 21.717 | ng/ul | 98 |
| 66) 4-Bromophenyl-phenylether | 16.01 | 248 | 156197 | 21.521 | ng/ul | 98 |
| 67) Hexachlorobenzene | 16.12 | 284 | 167858 | 20.901 | ng/ul | 93 |
| 68) Atrazine | 16.30 | 200 | 166097 | 20.345 | ng/ul | 96 |
| 69) Pentachlorophenol | 16.47 | 266 | 86773 | 18.696 | ng/ul | 99 |
| 70) Phenanthrene | 16.85 | 178 | 869110 | 20.995 | ng/ul | 99 |
| 72) Anthracene | 16.94 | 178 | 894521 | 21.138 | ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.83 | 216 | 230885 | 21.788 | ng/uL | 93 |
| 74) Pentachlorobenzene | 14.38 | 250 | 214476 | 20.987 | ng/uL | 98 |
| 75) Carbazole | 17.22 | 167 | 764056 | 20.503 | ng/ul | 98 |
| 76) Di-n-butylphthalate | 17.80 | 149 | 962462 | 20.925 | ng/ul | 98 |
| 77) Fluoranthene | 18.88 | 202 | 981871 | 20.249 | ng/ul | 100 |
| 80) Pyrene | 19.25 | 202 | 1049601 | 20.998 | ng/ul | 98 |
| 81) Butylbenzylphthalate | 20.17 | 149 | 412884 | 20.093 | ng/ul | 100 |
| 82) 3,3'-Dichlorobenzidine | 20.95 | 252 | 294500 | 19.482 | ng/ul | 91 |
| 83) Benzo(a)anthracene | 21.01 | 228 | 967904 | 20.315 | ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 20.97 | 149 | 645329 | 20.570 | ng/ul | 97 |
| 85) Chrysene | 21.06 | 228 | 939320 | 20.026 | ng/ul | 98 |
| 87) Di-n-octyl phthalate | 21.82 | 149 | 1078694 | 20.132 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.52 | 252 | 918888 | 20.020 | ng/ul | 98 |
| 89) Benzo(k)fluoranthene | 22.56 | 252 | 948094 | 21.815 | ng/ul | 97 |
| 91) Benzo(a)pyrene | 23.05 | 252 | 886828 | 21.482 | ng/ul | 98 |
| 92) Indeno(1,2,3-cd)pyrene | 25.19 | 276 | 1015611 | 20.721 | ng/ul | 98 |
| 93) Dibenzo(a,h)anthracene | 25.19 | 278 | 861054 | 20.536 | ng/ul | 96 |
| 94) Benzo(g,h,i)perylene | 25.81 | 276 | 857370 | 20.862 | ng/ul | 99 |

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