KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 06/07/1999 08:51
Run ID: R29242 Workgroup: WG42504 (BS#89-bna)

SB:WG42504-2 MB:WG42504-1 Matrix: OTHR SOLID Listtype: ORBNA Method: EPA 3550B/8270C (7-3-01-004) Project: PKey: SED

| Parameter | Mdl | Rdl | Units | MB Value | Truevalue | SB Value | % Rec. | Qual | Limits | Truevalue | Value | % Rec. | Qual | Limits | RPD/RSD | Qual | Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-O-Cresol | 53 | 107 | ug/Kg | <MDL | 1333.3333 | 931 | 70 | | 50-150 | | | | | | | | 100 |
| N-Nitrosodiphenylamine | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 1110 | 83 | | 50-150 | | | | | | | | 100 |
| 1,2-Diphenylhydrazine | 53 | 107 | ug/Kg | <MDL | 1333.3333 | 1070 | 80 | | 50-150 | | | | | | | | 100 |
| 4-Bromophenyl Phenyl Ether | 11 | 16 | ug/Kg | <MDL | 1333.3333 | 995 | 75 | | 50-150 | | | | | | | | 100 |
| Pentachlorophenol | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 908 | 68 | | 50-150 | | | | | | | | 100 |
| Phenanthrene | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1110 | 84 | | 50-150 | | | | | | | | 100 |
| Anthracene | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1060 | 80 | | 50-150 | | | | | | | | 100 |
| Di-N-Butyl Phthalate | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 1250 | 94 | | 50-150 | | | | | | | | 100 |
| Fluoranthene | 16 | 32 | ug/Kg | <MDL | 1333.3333 | 1140 | 86 | | 50-150 | | | | | | | | 100 |
| Benzidine | 640 | 1280 | ug/Kg | <MDL | 1333.3333 | <MDL | 0 | * | 50-150 | | | | | | | | 100 |
| Pyrene | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1080 | 81 | | 50-150 | | | | | | | | 100 |
| Benzyl Butyl Phthalate | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1110 | 84 | | 50-150 | | | | | | | | 100 |
| Benzo(a)anthracene | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1080 | 81 | | 50-150 | | | | | | | | 100 |
| Chrysene | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1160 | 87 | | 50-150 | | | | | | | | 100 |
| 3,3'-Dichlorobenzidine | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 140 | 11 | * | 50-150 | | | | | | | | 100 |
| Bis(2-Ethylhexyl)Phthalate | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1160 | 87 | | 50-150 | | | | | | | | 100 |
| Di-N-Octyl Phthalate | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1380 | 104 | | 50-150 | | | | | | | | 100 |
| Benzo(b)fluoranthene | 43 | 80 | ug/Kg | <MDL | 1333.3333 | 1160 | 87 | | 50-150 | | | | | | | | 100 |
| Benzo(k)fluoranthene | 43 | 80 | ug/Kg | <MDL | 1333.3333 | 1260 | 95 | | 50-150 | | | | | | | | 100 |
| Benzo(a)pyrene | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 1070 | 80 | | 50-150 | | | | | | | | 100 |
| Indeno(1,2,3-Cd)Pyrene | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 1060 | 79 | | 50-150 | | | | | | | | 100 |
| Dibenzo(a,h)anthracene | 43 | 80 | ug/Kg | <MDL | 1333.3333 | 1150 | 86 | | 50-150 | | | | | | | | 100 |
| Benzo(g,h,i)perylene | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 1010 | 76 | | 50-150 | | | | | | | | 100 |
| Aniline | 53 | 107 | ug/Kg | <MDL | 1333.3333 | <MDL | 0 | * | 50-150 | | | | | | | | 100 |
| Benzyl Alcohol | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 354 | 27 | * | 50-150 | | | | | | | | 100 |
| 2-Methylphenol | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 386 | 29 | * | 50-150 | | | | | | | | 100 |
| 4-Methylphenol | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 416 | 31 | * | 50-150 | | | | | | | | 100 |
| Benzoic Acid | 110 | 160 | ug/Kg | <MDL | 1333.3333 | 110 | 8 | * | 50-150 | | | | | | | | 100 |
| 4-Chloroaniline | 53 | 107 | ug/Kg | <MDL | 1333.3333 | 138 | 10 | * | 50-150 | | | | | | | | 100 |
| 2-Methylnaphthalene | 43 | 80 | ug/Kg | <MDL | 1333.3333 | 729 | 55 | | 50-150 | | | | | | | | 100 |
| 2,4,5-Trichlorophenol | 110 | 213 | ug/Kg | <MDL | 1333.3333 | 1000 | 75 | | 50-150 | | | | | | | | 100 |
| 2-Nitroaniline | 110 | 160 | ug/Kg | <MDL | 1333.3333 | 983 | 74 | | 50-150 | | | | | | | | 100 |
| 3-Nitroaniline | 110 | 160 | ug/Kg | <MDL | 1333.3333 | 914 | 69 | | 50-150 | | | | | | | | 100 |
| Dibenzofuran | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 981 | 74 | | 50-150 | | | | | | | | 100 |
| 4-Nitroaniline | 110 | 160 | ug/Kg | <MDL | 1333.3333 | 1280 | 96 | | 50-150 | | | | | | | | 100 |
| Carbazole | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 2140 | 161 | * | 50-150 | | | | | | | | 100 |
| Coprostanol | 270 | 533 | ug/Kg | <MDL | 13333.3333 | 4490 | 34 | * | 50-150 | | | | | | | | 100 |

MS:WG42504-3 MSD:WG42504-4 L1542'-1 Matrix: SALTWTRSED Listtype: ORBNA Method: EPA 3550B/8270C (7-3-01-004) Project: 423056-160 PKey: SED

| Parameter | Mdl | Rdl | Units | SampValue | Truevalue | MS Value | % Rec. | Qual | Limits | Truevalue | MSD Value | % Rec. | Qual | Limits | RPD/RSD | Qual | Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodimethylamine | 110 | 160 | ug/Kg | <MDL | 1333.3333 | 699 | 52 | | 50-150 | 1333.3333 | 672 | 50 | | 50-150 | 4 | | 100 |
| Phenol | 110 | 160 | ug/Kg | <MDL | 1333.3333 | 441 | 33 | 0 | 50-150 | 1333.3333 | 408 | 31 | * | 50-150 | 6 | | 100 |
| Bis(2-Chloroethyl)Ether | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 458 | 34 | 0 | 50-150 | 1333.3333 | 416 | 31 | * | 50-150 | 9 | | 100 |
| 2-Chlorophenol | 53 | 107 | ug/Kg | <MDL | 1333.3333 | 509 | 38 | 0 | 50-150 | 1333.3333 | 463 | 35 | * | 50-150 | 8 | | 100 |
| Bis(2-Chloroisopropyl)Ether | 53 | 107 | ug/Kg | <MDL | 1333.3333 | 459 | 34 | 0 | 50-150 | 1333.3333 | 419 | 31 | * | 50-150 | 9 | | 100 |
| N-Nitrosodi-N-Propylamine | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 595 | 45 | 0 | 50-150 | 1333.3333 | 569 | 43 | * | 50-150 | 5 | | 100 |
| Hexachloroethane | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 591 | 44 | 0 | 50-150 | 1333.3333 | 583 | 44 | * | 50-150 | 0 | | 100 |
| Nitrobenzene | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 617 | 46 | 0 | 50-150 | 1333.3333 | 581 | 44 | * | 50-150 | 4 | | 100 |

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 06/07/1999 08:51
Run ID: R29242 Workgroup: WG42504 (BS#89-bna)

MS:WG42504-3 MSD:WG42504-4 L15421-1 Matrix: SALTWTRSED Listtype: ORBNA Method: EPA 3550B/8270C (7-3-01-004) Project: 423056-160 PKey: SED

| Parameter | Mdl | Rdl | Units | SampValue | Truevalue | MS Value | % Rec. | Qual | Limits | Truevalue | MSD Value | % Rec. | Qual | Limits | RPD/RSD | Qual | Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Isophorone | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 418 | 31 | C | 50-150 | 1333.3333 | 441 | 33 | * | 50-150 | 6 | | 100 |
| 2-Nitrophenol | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 579 | 43 | C | 50-150 | 1333.3333 | 561 | 42 | * | 50-150 | 2 | | 100 |
| 2,4-Dimethylphenol | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 43 | 3 | X | 50-150 | 1333.3333 | 65 | 5 | * | 50-150 | | | 100 |
| Bis(2-Chloroethoxy)Methane | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 612 | 46 | C | 50-150 | 1333.3333 | 600 | 45 | * | 50-150 | 2 | | 100 |
| 2,4-Dichlorophenol | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 650 | 49 | C | 50-150 | 1333.3333 | 648 | 49 | * | 50-150 | 0 | | 100 |
| Naphthalene | 43 | 80 | ug/Kg | <MDL | 1333.3333 | 622 | 47 | C | 50-150 | 1333.3333 | 629 | 47 | * | 50-150 | 0 | | 100 |
| Hexachlorobutadiene | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 597 | 45 | C | 50-150 | 1333.3333 | 571 | 43 | * | 50-150 | 5 | | 100 |
| 4-Chloro-3-Methylphenol | 53 | 107 | ug/Kg | <MDL | 1333.3333 | 853 | 64 | | 50-150 | 1333.3333 | 997 | 75 | | 50-150 | 16 | | 100 |
| Hexachlorocyclopentadiene | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 345 | 26 | C | 50-150 | 1333.3333 | 349 | 26 | * | 50-150 | 0 | | 100 |
| 2,4,6-Trichlorophenol | 110 | 213 | ug/Kg | <MDL | 1333.3333 | 786 | 59 | | 50-150 | 1333.3333 | 854 | 64 | | 50-150 | 8 | | 100 |
| 2-Chloronaphthalene | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 716 | 54 | | 50-150 | 1333.3333 | 737 | 55 | | 50-150 | 2 | | 100 |
| Acenaphthylene | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 790 | 59 | | 50-150 | 1333.3333 | 849 | 64 | | 50-150 | 8 | | 100 |
| Dimethyl Phthalate | 11 | 16 | ug/Kg | <MDL | 1333.3333 | 976 | 73 | | 50-150 | 1333.3333 | 1110 | 83 | | 50-150 | 13 | | 100 |
| 2,6-Dinitrotoluene | 11 | 21.3 | ug/Kg | <MDL | 1333.3333 | 930 | 70 | | 50-150 | 1333.3333 | 1060 | 80 | | 50-150 | 13 | | 100 |
| Acenaphthene | 11 | 21.3 | ug/Kg | <MDL | 1333.3333 | 792 | 59 | | 50-150 | 1333.3333 | 853 | 64 | | 50-150 | 8 | | 100 |
| 2,4-Dinitrophenol | 53 | 107 | ug/Kg | <MDL | 1333.3333 | 825 | 62 | | 50-150 | 1333.3333 | 918 | 69 | | 50-150 | 11 | | 100 |
| 4-Nitrophenol | 53 | 107 | ug/Kg | <MDL | 1333.3333 | 1060 | 79 | | 50-150 | 1333.3333 | 1070 | 80 | | 50-150 | 1 | | 100 |
| 2,4-Dinitrotoluene | 11 | 21.3 | ug/Kg | <MDL | 1333.3333 | 976 | 73 | | 50-150 | 1333.3333 | 1120 | 84 | | 50-150 | 14 | | 100 |
| Fluorene | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 958 | 72 | | 50-150 | 1333.3333 | 1060 | 80 | | 50-150 | 11 | | 100 |
| Diethyl Phthalate | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 1100 | 82 | | 50-150 | 1333.3333 | 1260 | 94 | | 50-150 | 14 | | 100 |
| 4-Chlorophenyl Phenyl Ether | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 942 | 71 | | 50-150 | 1333.3333 | 1040 | 78 | | 50-150 | 9 | | 100 |
| 4,6-Dinitro-O-Cresol | 53 | 107 | ug/Kg | <MDL | 1333.3333 | 851 | 64 | | 50-150 | 1333.3333 | 960 | 72 | | 50-150 | 12 | | 100 |
| N-Nitrosodiphenylamine | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 896 | 67 | | 50-150 | 1333.3333 | 1030 | 77 | | 50-150 | 14 | | 100 |
| 1,2-Diphenylhydrazine | 53 | 107 | ug/Kg | <MDL | 1333.3333 | 973 | 73 | | 50-150 | 1333.3333 | 1070 | 80 | | 50-150 | 9 | | 100 |
| 4-Bromophenyl Phenyl Ether | 11 | 16 | ug/Kg | <MDL | 1333.3333 | 937 | 70 | | 50-150 | 1333.3333 | 1060 | 80 | | 50-150 | 13 | | 100 |
| Pentachlorophenol | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 835 | 63 | | 50-150 | 1333.3333 | 995 | 75 | | 50-150 | 17 | | 100 |
| Phenanthrene | 16 | 26.7 | ug/Kg | 16 | 1333.3333 | 1050 | 77 | | 50-150 | 1333.3333 | 1180 | 88 | | 50-150 | 13 | | 100 |
| Anthracene | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 953 | 71 | | 50-150 | 1333.3333 | 1090 | 81 | | 50-150 | 13 | | 100 |
| Di-N-Butyl Phthalate | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 1090 | 82 | | 50-150 | 1333.3333 | 1250 | 94 | | 50-150 | 14 | | 100 |
| Fluoranthene | 16 | 32 | ug/Kg | <MDL | 1333.3333 | 1060 | 80 | | 50-150 | 1333.3333 | 1170 | 88 | | 50-150 | 10 | | 100 |
| Benzidine | 640 | 1280 | ug/Kg | <MDL | 1333.3333 | <MDL | 0 | X | 50-150 | 1333.3333 | <MDL | 0 | * | 50-150 | | | 100 |
| Pyrene | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1040 | 78 | | 50-150 | 1333.3333 | 1160 | 87 | | 50-150 | 11 | | 100 |
| Benzyl Butyl Phthalate | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1070 | 80 | | 50-150 | 1333.3333 | 1180 | 88 | | 50-150 | 10 | | 100 |
| Benzo(a)anthracene | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1010 | 76 | | 50-150 | 1333.3333 | 1120 | 84 | | 50-150 | 10 | | 100 |
| Chrysene | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1070 | 81 | | 50-150 | 1333.3333 | 1200 | 90 | | 50-150 | 11 | | 100 |
| 3,3'-Dichlorobenzidine | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | <MDL | 0 | X | 50-150 | 1333.3333 | <MDL | 0 | * | 50-150 | | | 100 |
| Bis(2-Ethylhexyl)Phthalate | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1090 | 81 | | 50-150 | 1333.3333 | 1250 | 94 | | 50-150 | 15 | | 100 |
| Di-N-Octyl Phthalate | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1260 | 95 | | 50-150 | 1333.3333 | 1380 | 104 | | 50-150 | 9 | | 100 |
| Benzo(b)fluoranthene | 43 | 80 | ug/Kg | <MDL | 1333.3333 | 1060 | 80 | | 50-150 | 1333.3333 | 1220 | 92 | | 50-150 | 14 | | 100 |
| Benzo(k)fluoranthene | 43 | 80 | ug/Kg | <MDL | 1333.3333 | 1170 | 88 | | 50-150 | 1333.3333 | 1310 | 98 | | 50-150 | 11 | | 100 |
| Benzo(a)pyrene | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 970 | 73 | | 50-150 | 1333.3333 | 1080 | 81 | | 50-150 | 10 | | 100 |
| Indeno(1,2,3-Cd)Pyrene | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 990 | 74 | | 50-150 | 1333.3333 | 1100 | 83 | | 50-150 | 11 | | 100 |
| Dibenzo(a,h)anthracene | 43 | 80 | ug/Kg | <MDL | 1333.3333 | 998 | 75 | | 50-150 | 1333.3333 | 1180 | 89 | | 50-150 | 17 | | 100 |
| Benzo(g,h,i)perylene | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 884 | 66 | | 50-150 | 1333.3333 | 917 | 69 | | 50-150 | 4 | | 100 |
| Aniline | 53 | 107 | ug/Kg | <MDL | 1333.3333 | <MDL | 0 | X | 50-150 | 1333.3333 | <MDL | 0 | * | 50-150 | | | 100 |
| Benzyl Alcohol | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 288 | 22 | G | 50-150 | 1333.3333 | 157 | 12 | * | 50-150 | 59 | | 100 |
| 2-Methylphenol | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 397 | 30 | G | 50-150 | 1333.3333 | 433 | 32 | * | 50-150 | 6 | | 100 |
| 4-Methylphenol | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 414 | 31 | G | 50-150 | 1333.3333 | 394 | 30 | * | 50-150 | 3 | | 100 |
| Benzoic Acid | 110 | 160 | ug/Kg | <MDL | 1333.3333 | 776 | 58 | | 50-150 | 1333.3333 | 877 | 66 | | 50-150 | 13 | | 100 |
| 4-Chloroaniline | 53 | 107 | ug/Kg | <MDL | 1333.3333 | 272 | 20 | G | 50-150 | 1333.3333 | 284 | 21 | * | 50-150 | 5 | | 100 |
| 2-Methylnaphthalene | 43 | 80 | ug/Kg | <MDL | 1333.3333 | 651 | 49 | G | 50-150 | 1333.3333 | 700 | 53 | | 50-150 | 8 | | 100 |

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 06/07/1999 08:51
Run ID: R29242 Workgroup: WG42504 (BS#89-bna)

MS:WG42504-3 MSD:WG42504-4 L15421-1 Matrix: SALTWTRSED Listtype: ORBNA Method: EPA 3550B/8270C (7-3-01-004) Project: 423056-160 PKey: SED

| Parameter | Mdl | Rdl | Units | SampValue | Truevalue | MS Value | % Rec. | Qual | Limits | Truevalue | MSD Value | % Rec. | Qual | Limits | RPD/RSD | Qual | Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | 110 | 213 | ug/Kg | <MDL | 1333.3333 | 1010 | 76 | | 50-150 | 1333.3333 | 1160 | 87 | | 50-150 | 13 | | 100 |
| 2-Nitroaniline | 110 | 160 | ug/Kg | <MDL | 1333.3333 | 868 | 65 | | 50-150 | 1333.3333 | 953 | 71 | | 50-150 | 9 | | 100 |
| 3-Nitroaniline | 110 | 160 | ug/Kg | <MDL | 1333.3333 | 455 | 34 | G | 50-150 | 1333.3333 | 445 | 33 | * | 50-150 | 3 | | 100 |
| Dibenzofuran | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 892 | 67 | | 50-150 | 1333.3333 | 975 | 73 | | 50-150 | 9 | | 100 |
| 4-Nitroaniline | 110 | 160 | ug/Kg | <MDL | 1333.3333 | 516 | 39 | G | 50-150 | 1333.3333 | 507 | 38 | * | 50-150 | 3 | | 100 |
| Carbazole | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 1960 | 147 | | 50-150 | 1333.3333 | 2200 | 165 | * | 50-150 | 12 | | 100 |
| Coprostanol | 270 | 533 | ug/Kg | <MDL | 13333.33335920 | | 44 | G | 50-150 | 13333.33334920 | | 37 | * | 50-150 | 17 | | 100 |

LD:WG42504-5 L15421-4 Matrix: SALTWTRSED Listtype: ORBNA Method: EPA 3550B/8270C (7-3-01-004) Project: 423056-160 PKey: SED

| Parameter | Mdl | Rdl | Units | SampValue | Truevalue | LD Value | % Rec. | Qual | Limits | RPD/RSD | Qual | Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodimethylamine | 110 | 160 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Phenol | 110 | 160 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Bis(2-Chloroethyl)Ether | 16 | 26.7 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 2-Chlorophenol | 53 | 107 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Bis(2-Chloroisopropyl)Ether | 53 | 107 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| N-Nitrosodi-N-Propylamine | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Hexachloroethane | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Nitrobenzene | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Isophorone | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 2-Nitrophenol | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 2,4-Dimethylphenol | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Bis(2-Chloroethoxy)Methane | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 2,4-Dichlorophenol | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Naphthalene | 43 | 80 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Hexachlorobutadiene | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 4-Chloro-3-Methylphenol | 53 | 107 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Hexachlorocyclopentadiene | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 2,4,6-Trichlorophenol | 110 | 213 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 2-Chloronaphthalene | 16 | 26.7 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Acenaphthylene | 16 | 26.7 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Dimethyl Phthalate | 11 | 16 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 2,6-Dinitrotoluene | 11 | 21.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Acenaphthene | 11 | 21.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 2,4-Dinitrophenol | 53 | 107 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 4-Nitrophenol | 53 | 107 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 2,4-Dinitrotoluene | 11 | 21.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Fluorene | 16 | 26.7 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Diethyl Phthalate | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 4-Chlorophenyl Phenyl Ether | 16 | 26.7 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 4,6-Dinitro-O-Cresol | 53 | 107 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| N-Nitrosodiphenylamine | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 1,2-Diphenylhydrazine | 53 | 107 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 4-Bromophenyl Phenyl Ether | 11 | 16 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Pentachlorophenol | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Phenanthrene | 16 | 26.7 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Anthracene | 16 | 26.7 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Di-N-Butyl Phthalate | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Fluoranthene | 16 | 32 | ug/Kg | <MDL | | 34.7 | | | | | | |

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 06/07/1999 08:51
Run ID: R29242 Workgroup: WG42504 (BS#89-bna)

LD:WG42504-5 L15421-4 Matrix: SALTWTRSED Listtype: ORBNA Method: EPA 3550B/8270C (7-3-01-004) Project: 423056-160 PKey: SED

| Parameter | Mdl | Rdl | Units | SampValue | Truevalue | LD Value | % Rec. | Qual | Limits | RPD/RSD | Qual | Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzidine | 640 | 1280 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Pyrene | 16 | 26.7 | ug/Kg | <MDL | | 26 | | | | | | 100 |
| Benzyl Butyl Phthalate | 16 | 26.7 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Benzo(a)anthracene | 16 | 26.7 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Chrysene | 16 | 26.7 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 3,3'-Dichlorobenzidine | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Bis(2-Ethylhexyl)Phthalate | 16 | 26.7 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Di-N-Octyl Phthalate | 16 | 26.7 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Benzo(b)fluoranthene | 43 | 80 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Benzo(k)fluoranthene | 43 | 80 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Benzo(a)pyrene | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Indeno(1,2,3-Cd)Pyrene | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Dibenzo(a,h)anthracene | 43 | 80 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Benzo(g,h,i)perylene | 27 | 53.3 | ug/Kg | 54.7 | | 82 | | | | 40 | | 100 |
| Aniline | 53 | 107 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Benzyl Alcohol | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 2-Methylphenol | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 4-Methylphenol | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Benzoic Acid | 110 | 160 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 4-Chloroaniline | 53 | 107 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 2-Methylnaphthalene | 43 | 80 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 2,4,5-Trichlorophenol | 110 | 213 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 2-Nitroaniline | 110 | 160 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 3-Nitroaniline | 110 | 160 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Dibenzofuran | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 4-Nitroaniline | 110 | 160 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Carbazole | 27 | 53.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Coprostanol | 270 | 533 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Caffeine | 5.3 | 26.7 | ug/Kg | <MDL | | <MDL | | | | | | 100 |

SRM:WG42504-6 Matrix: OTHR SOLID Listtype: ORBNA Method: EPA 3550B/8270C (7-3-01-004) Project: PKey: SED

| Parameter | Mdl | Rdl | Units | SampValue | Truevalue | SRM Value | % Rec. | Qual | Limits | RPD/RSD | Qual | Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Naphthalene | 43 | 80 | ug/Kg | | 987.7867 | 189 | 19 | G | 80-120 | | | 100 |
| Fluorene | 16 | 26.7 | ug/Kg | | 95.1467 | 20 | 21 | G | 80-120 | | | 100 |
| Phenanthrene | 16 | 26.7 | ug/Kg | | 478.24 | 332 | 69 | G | 80-120 | | | 100 |
| Anthracene | 16 | 26.7 | ug/Kg | | 179.9467 | 117 | 65 | G | 80-120 | | | 100 |
| Fluoranthene | 16 | 32 | ug/Kg | | 959.4133 | 631 | 66 | G | 80-120 | | | 100 |
| Pyrene | 16 | 26.7 | ug/Kg | | 793.1733 | 573 | 72 | G | 80-120 | | | 100 |
| Benzo(a)anthracene | 16 | 26.7 | ug/Kg | | 417.6 | 287 | 69 | G | 80-120 | | | 100 |
| Chrysene | 16 | 26.7 | ug/Kg | | 371.6267 | 447 | 120 | | 80-120 | | | 100 |
| Benzo(b)fluoranthene | 43 | 80 | ug/Kg | | 723.7333 | 799 | 110 | | 80-120 | | | 100 |
| Benzo(k)fluoranthene | 43 | 80 | ug/Kg | | 353.0667 | 374 | 106 | | 80-120 | | | 100 |
| Benzo(a)pyrene | 27 | 53.3 | ug/Kg | | 614.1867 | 362 | 59 | G | 80-120 | | | 100 |
| Indeno(1,2,3-Cd)Pyrene | 27 | 53.3 | ug/Kg | | 489.9733 | 200 | 41 | G | 80-120 | | | 100 |
| Dibenzo(a,h)anthracene | 43 | 80 | ug/Kg | | 72.2667 | 43 | 60 | G | 80-120 | | | 100 |
| Benzo(g,h,i)perylene | 27 | 53.3 | ug/Kg | | 513.44 | 128 | 25 | G | 80-120 | | | 100 |

MB:WG42504-7 Matrix: OTHR SOLID Listtype: ORBNA Method: EPA 3550B/8270C (7-3-01-004) Project: PKey: SED

| Parameter | Mcl | Rcl | Units | MB Value | Qual |
|---|---|---|---|---|---|
| N-Nitrosodimethylamine | 110 | 160 | ug/Kg | <MDL | |
| Phenol | 110 | 160 | ug/Kg | <MDL | |
| Bis(2-Chloroethyl)Ether | 16 | 26.7 | ug/Kg | <MDL | |
| 2-Chlorophenol | 53 | 107 | ug/Kg | <MDL | |
| Bis(2-Chloroisopropyl)Ether | 53 | 107 | ug/Kg | <MDL | |
| N-Nitrosodi-N-Propylamine | 27 | 53.3 | ug/Kg | <MDL | |
| Hexachloroethane | 27 | 53.3 | ug/Kg | <MDL | |
| Nitrobenzene | 27 | 53.3 | ug/Kg | <MDL | |
| Isophorone | 27 | 53.3 | ug/Kg | <MDL | |
| 2-Nitrophenol | 27 | 53.3 | ug/Kg | <MDL | |
| 2,4-Dimethylphenol | 27 | 53.3 | ug/Kg | <MDL | |
| Bis(2-Chloroethoxy)Methane | 27 | 53.3 | ug/Kg | <MDL | |
| 2,4-Dichlorophenol | 27 | 53.3 | ug/Kg | <MDL | |
| Naphthalene | 43 | 80 | ug/Kg | <MDL | |
| Hexachlorobutadiene | 27 | 53.3 | ug/Kg | <MDL | |
| 4-Chloro-3-Methylphenol | 53 | 107 | ug/Kg | <MDL | |
| Hexachlorocyclopentadiene | 27 | 53.3 | ug/Kg | <MDL | |
| 2,4,6-Trichlorophenol | 110 | 213 | ug/Kg | <MDL | |
| 2-Chloronaphthalene | 16 | 26.7 | ug/Kg | <MDL | |
| Acenaphthylene | 16 | 26.7 | ug/Kg | <MDL | |
| Dimethyl Phthalate | 11 | 16 | ug/Kg | <MDL | |
| 2,6-Dinitrotoluene | 11 | 21.3 | ug/Kg | <MDL | |
| Acenaphthene | 11 | 21.3 | ug/Kg | <MDL | |
| 2,4-Dinitrophenol | 53 | 107 | ug/Kg | <MDL | |
| 4-Nitrophenol | 53 | 107 | ug/Kg | <MDL | |
| 2,4-Dinitrotoluene | 11 | 21.3 | ug/Kg | <MDL | |
| Fluorene | 16 | 26.7 | ug/Kg | <MDL | |
| Diethyl Phthalate | 27 | 53.3 | ug/Kg | <MDL | |
| 4-Chlorophenyl Phenyl Ether | 16 | 26.7 | ug/Kg | <MDL | |
| 4,6-Dinitro-O-Cresol | 53 | 107 | ug/Kg | <MDL | |
| N-Nitrosodiphenylamine | 27 | 53.3 | ug/Kg | <MDL | |
| 1,2-Diphenylhydrazine | 53 | 107 | ug/Kg | <MDL | |
| 4-Bromophenyl Phenyl Ether | 11 | 16 | ug/Kg | <MDL | |
| Pentachlorophenol | 27 | 53.3 | ug/Kg | <MDL | |
| Phenanthrene | 16 | 26.7 | ug/Kg | <MDL | |
| Anthracene | 16 | 26.7 | ug/Kg | <MDL | |
| Di-N-Butyl Phthalate | 27 | 53.3 | ug/Kg | <MDL | |
| Fluoranthene | 16 | 32 | ug/Kg | <MDL | |
| Benzidine | 640 | 1280 | ug/Kg | <MDL | |
| Pyrene | 16 | 26.7 | ug/Kg | <MDL | |
| Benzyl Butyl Phthalate | 16 | 26.7 | ug/Kg | <MDL | |
| Benzo(a)anthracene | 16 | 26.7 | ug/Kg | <MDL | |
| Chrysene | 16 | 26.7 | ug/Kg | <MDL | |
| 3,3'-Dichlorobenzidine | 27 | 53.3 | ug/Kg | <MDL | |
| Bis(2-Ethylhexyl)Phthalate | 16 | 26.7 | ug/Kg | <MDL | |
| Di-N-Octyl Phthalate | 16 | 26.7 | ug/Kg | <MDL | |
| Benzo(b)fluoranthene | 43 | 80 | ug/Kg | <MDL | |
| Benzo(k)fluoranthene | 43 | 80 | ug/Kg | <MDL | |
| Benzo(a)pyrene | 27 | 53.3 | ug/Kg | <MDL | |
| Indeno(1,2,3-Cd)Pyrene | 27 | 53.3 | ug/Kg | <MDL | |

MB:WG42504-7 Matrix: OTHR SOLID Listtype: ORBNA Method: EPA 3550B/8270C (7-3-01-004) Project: PKey: SED

| Parameter | Mdl | Rdl | Units | MB Value | Qual |
|---|---|---|---|---|---|
| Dibenzo(a,h)anthracene | 43 | 80 | ug/Kg | <MDL | |
| Benzo(g,h,i)perylene | 27 | 53.3 | ug/Kg | <MDL | |
| Aniline | 53 | 107 | ug/Kg | <MDL | |
| Benzyl Alcohol | 27 | 53.3 | ug/Kg | <MDL | |
| 2-Methylphenol | 27 | 53.3 | ug/Kg | <MDL | |
| 4-Methylphenol | 27 | 53.3 | ug/Kg | <MDL | |
| Benzoic Acid | 110 | 160 | ug/Kg | <MDL | |
| 4-Chloroaniline | 53 | 107 | ug/Kg | <MDL | |
| 2-Methylnaphthalene | 43 | 80 | ug/Kg | <MDL | |
| 2,4,5-Trichlorophenol | 110 | 213 | ug/Kg | <MDL | |
| 2-Nitroaniline | 110 | 160 | ug/Kg | <MDL | |
| 3-Nitroaniline | 110 | 160 | ug/Kg | <MDL | |
| Dibenzofuran | 27 | 53.3 | ug/Kg | <MDL | |
| 4-Nitroaniline | 110 | 160 | ug/Kg | <MDL | |
| Carbazole | 27 | 53.3 | ug/Kg | <MDL | |
| Coprostanol | 270 | 533 | ug/Kg | <MDL | |
| Caffeine | 5.3 | 26.7 | ug/Kg | <MDL | |

SB:WG42504-8 MB:WG42504-7 Matrix: OTHR SOLID Listtype: ORBNA Method: EPA 3550B/8270C (7-3-01-004) Project: PKey: SED

| Parameter | Mdl | Rdl | Units | MB Value | Truevalue | SB Value | % Rec. | Qual | Limits | Truevalue | Value | % Rec. | Qual | Limits | RPD/RSD | Qual | Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodimethylamine | 110 | 160 | ug/Kg | <MDL | 1333.3333 | 612 | 46 | * | 50-150 | | | | | | | | 100 |
| Phenol | 110 | 160 | ug/Kg | <MDL | 1333.3333 | 592 | 44 | * | 50-150 | | | | | | | | 100 |
| Bis(2-Chloroethyl)Ether | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 523 | 39 | * | 50-150 | | | | | | | | 100 |
| 2-Chlorophenol | 53 | 107 | ug/Kg | <MDL | 1333.3333 | 745 | 56 | | 50-150 | | | | | | | | 100 |
| Bis(2-Chloroisopropyl)Ether | 53 | 107 | ug/Kg | <MDL | 1333.3333 | 523 | 39 | * | 50-150 | | | | | | | | 100 |
| N-Nitrosodi-N-Propylamine | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 599 | 45 | * | 50-150 | | | | | | | | 100 |
| Hexachloroethane | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 800 | 60 | | 50-150 | | | | | | | | 100 |
| Nitrobenzene | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 641 | 48 | * | 50-150 | | | | | | | | 100 |
| Isophorone | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 353 | 26 | * | 50-150 | | | | | | | | 100 |
| 2-Nitrophenol | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 698 | 52 | | 50-150 | | | | | | | | 100 |
| 2,4-Dimethylphenol | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 300 | 23 | * | 50-150 | | | | | | | | 100 |
| Bis(2-Chloroethoxy)Methane | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 545 | 41 | * | 50-150 | | | | | | | | 100 |
| 2,4-Dichlorophenol | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 751 | 56 | | 50-150 | | | | | | | | 100 |
| Naphthalene | 43 | 80 | ug/Kg | <MDL | 1333.3333 | 713 | 53 | | 50-150 | | | | | | | | 100 |
| Hexachlorobutadiene | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 736 | 55 | | 50-150 | | | | | | | | 100 |
| 4-Chloro-3-Methylphenol | 53 | 107 | ug/Kg | <MDL | 1333.3333 | 1030 | 77 | | 50-150 | | | | | | | | 100 |
| Hexachlorocyclopentadiene | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 564 | 42 | * | 50-150 | | | | | | | | 100 |
| 2,4,6-Trichlorophenol | 110 | 213 | ug/Kg | <MDL | 1333.3333 | 928 | 70 | | 50-150 | | | | | | | | 100 |
| 2-Chloronaphthalene | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 783 | 59 | | 50-150 | | | | | | | | 100 |
| Acenaphthylene | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 834 | 63 | | 50-150 | | | | | | | | 100 |
| Dimethyl Phthalate | 11 | 16 | ug/Kg | <MDL | 1333.3333 | 1050 | 79 | | 50-150 | | | | | | | | 100 |
| 2,6-Dinitrotoluene | 11 | 21.3 | ug/Kg | <MDL | 1333.3333 | 1140 | 85 | | 50-150 | | | | | | | | 100 |
| Acenaphthene | 11 | 21.3 | ug/Kg | <MDL | 1333.3333 | 912 | 68 | | 50-150 | | | | | | | | 100 |
| 2,4-Dinitrophenol | 53 | 107 | ug/Kg | <MDL | 1333.3333 | 1100 | 82 | | 50-150 | | | | | | | | 100 |
| 4-Nitrophenol | 53 | 107 | ug/Kg | <MDL | 1333.3333 | 1290 | 97 | | 50-150 | | | | | | | | 100 |
| 2,4-Dinitrotoluene | 11 | 21.3 | ug/Kg | <MDL | 1333.3333 | 1290 | 96 | | 50-150 | | | | | | | | 100 |
| Fluorene | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1080 | 81 | | 50-150 | | | | | | | | 100 |
| Diethyl Phthalate | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 1180 | 88 | | 50-150 | | | | | | | | 100 |

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 06/07/1999 08:51
Run ID: R29242 Workgroup: WG42504 (BS#89-bna)

SB:WG42504-8 MB:WG42504-7 Matrix: OTHR SOLID Listtype: ORBNA Method: EPA 3550B/8270C (7-3-01-004) Project: PKey: SED

| Parameter | Mdl | Rdl | Units | MB Value | Truevalue | S3 Value | % Rec. | Qual | Limits | Truevalue | Value | % Rec. | Qual | Limits | RPD/RSD | Qual | Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4-Chlorophenyl Phenyl Ether | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1100 | 83 | | 50-150 | | | | | | | | 100 |
| 4,6-Dinitro-O-Cresol | 53 | 107 | ug/Kg | <MDL | 1333.3333 | 1080 | 81 | | 50-150 | | | | | | | | 100 |
| N-Nitrosodiphenylamine | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 879 | 66 | | 50-150 | | | | | | | | 100 |
| 1,2-Diphenylhydrazine | 53 | 107 | ug/Kg | <MDL | 1333.3333 | 863 | 65 | | 50-150 | | | | | | | | 100 |
| 4-Bromophenyl Phenyl Ether | 11 | 16 | ug/Kg | <MDL | 1333.3333 | 1090 | 82 | | 50-150 | | | | | | | | 100 |
| Pentachlorophenol | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 1100 | 83 | | 50-150 | | | | | | | | 100 |
| Phenanthrene | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1150 | 86 | | 50-150 | | | | | | | | 100 |
| Anthracene | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1100 | 83 | | 50-150 | | | | | | | | 100 |
| Di-N-Butyl Phthalate | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 1340 | 101 | | 50-150 | | | | | | | | 100 |
| Fluoranthene | 16 | 32 | ug/Kg | <MDL | 1333.3333 | 1290 | 97 | | 50-150 | | | | | | | | 100 |
| Benzidine | 640 | 1280 | ug/Kg | <MDL | 1333.3333 | <MDL | 0 | * | 50-150 | | | | | | | | 100 |
| Pyrene | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1150 | 87 | | 50-150 | | | | | | | | 100 |
| Benzyl Butyl Phthalate | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1150 | 86 | | 50-150 | | | | | | | | 100 |
| Benzo(a)anthracene | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1110 | 83 | | 50-150 | | | | | | | | 100 |
| Chrysene | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1090 | 81 | | 50-150 | | | | | | | | 100 |
| 3,3'-Dichlorobenzidine | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 160 | 12 | * | 50-150 | | | | | | | | 100 |
| Bis(2-Ethylhexyl)Phthalate | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1110 | 83 | | 50-150 | | | | | | | | 100 |
| Di-N-Octyl Phthalate | 16 | 26.7 | ug/Kg | <MDL | 1333.3333 | 1270 | 95 | | 50-150 | | | | | | | | 100 |
| Benzo(b)fluoranthene | 43 | 80 | ug/Kg | <MDL | 1333.3333 | 1220 | 92 | | 50-150 | | | | | | | | 100 |
| Benzo(k)fluoranthene | 43 | 80 | ug/Kg | <MDL | 1333.3333 | 1280 | 96 | | 50-150 | | | | | | | | 100 |
| Benzo(a)pyrene | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 1090 | 82 | | 50-150 | | | | | | | | 100 |
| Indeno(1,2,3-Cd)Pyrene | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 1120 | 84 | | 50-150 | | | | | | | | 100 |
| Dibenzo(a,h)anthracene | 43 | 80 | ug/Kg | <MDL | 1333.3333 | 1080 | 81 | | 50-150 | | | | | | | | 100 |
| Benzo(g,h,i)perylene | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 1020 | 77 | | 50-150 | | | | | | | | 100 |
| Aniline | 53 | 107 | ug/Kg | <MDL | 1333.3333 | 119 | 9 | * | 50-150 | | | | | | | | 100 |
| Benzyl Alcohol | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 302 | 23 | * | 50-150 | | | | | | | | 100 |
| 2-Methylphenol | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 590 | 44 | * | 50-150 | | | | | | | | 100 |
| 4-Methylphenol | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 666 | 50 | | 50-150 | | | | | | | | 100 |
| Benzoic Acid | 110 | 160 | ug/Kg | <MDL | 1333.3333 | 420 | 32 | * | 50-150 | | | | | | | | 100 |
| 4-Chloroaniline | 53 | 107 | ug/Kg | <MDL | 1333.3333 | 285 | 21 | * | 50-150 | | | | | | | | 100 |
| 2-Methylnaphthalene | 43 | 80 | ug/Kg | <MDL | 1333.3333 | 720 | 54 | | 50-150 | | | | | | | | 100 |
| 2,4,5-Trichlorophenol | 110 | 213 | ug/Kg | <MDL | 1333.3333 | 1130 | 84 | | 50-150 | | | | | | | | 100 |
| 2-Nitroaniline | 110 | 160 | ug/Kg | <MDL | 1333.3333 | 1090 | 81 | | 50-150 | | | | | | | | 100 |
| 3-Nitroaniline | 110 | 160 | ug/Kg | <MDL | 1333.3333 | 553 | 41 | * | 50-150 | | | | | | | | 100 |
| Dibenzofuran | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 1000 | 75 | | 50-150 | | | | | | | | 100 |
| 4-Nitroaniline | 110 | 160 | ug/Kg | <MDL | 1333.3333 | 836 | 63 | | 50-150 | | | | | | | | 100 |
| Carbazole | 27 | 53.3 | ug/Kg | <MDL | 1333.3333 | 1180 | 88 | | 50-150 | | | | | | | | 100 |
| Coprostanol | 270 | 533 | ug/Kg | <MDL | 13333.3333 | 3930 | 29 | * | 50-150 | | | | | | | | 100 |

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 06/07/1999 08:51
Run ID: R29242 Workgroup: WG42504 (BS#89-bna)

| Sample # | 2-Fluorophenol 50-150 | | d5-Phenol 50-150 | | d5-Nitrobenzene 50-150 | d4-2-Chlorophenol 50-150 | d4-1,2-Dichlorobenzene 50-150 | 2-Fluorobiphenyl 50-150 | 2,4,6-Tribromophenol 50-150 | d14-Terphenyl 50-150 |
|---|---|---|---|---|---|---|---|---|---|---|
| L15421-1 | 33 G | avg=40 | 28 G | avg=71.25 | 54 | 36 G | 52 | 58 | 63 G | 121 |
| L15421-2 | 25 G | avg=32.5 | 28 G | avg=66.25 | 51 | 33 G | 49 | 52 | 44 G | 113 |
| L15421-3 | 27 G | avg=32 | 30 G | avg=75 | 58 | 34 G | 58 | 62 | 37 G | 122 |
| L15421-4 | 31 G | avg=39 | 36 G | avg=61.75 | 41 | 40 G | 58 | 48 | 49 G | 100 |
| WG42504-1 | 39 G | avg=41.5 | 21 G | avg=69.25 | 56 | 40 G | 56 | 55 | 66 G | 110 |
| WG42504-2 | 35 G | avg=49.5 | 33 G | avg=66.75 | 55 | 41 G | 54 | 60 | 89 G | 98 |
| WG42504-3 | 36 G | avg=46.25 | 38 G | avg=61.75 | 51 | 42 G | 47 | 57 | 69 G | 92 |
| WG42504-4 | 33 G | avg=46 | 33 G | avg=62 | 48 | 37 G | 44 | 56 | 81 G | 100 |
| WG42504-5 | 42 G | avg=46.5 | 38 G | avg=61.75 | 43 | 47 G | 54 | 47 | 59 G | 93 |
| WG42504-6 | 50 | avg=76.5 | 93 | avg=82.25 | 62 | 69 | 46 | 96 | 94 | 125 |
| WG42504-7 | 55 | avg=50.75 | 44 | avg=56 | 42 | 56 | 52 | 47 | 48 | 73 |
| WG42504-8 | 63 | avg=70 | 48 | avg=68.75 | 50 | 61 | 57 | 61 | 108 | 97 |

# SOLID AND TISSUE SAMPLE EXTRACTION RECORD FOR BNA ANALYSIS
## TRACE ORGANICS LABORATORY

'090

QC BATCH NO.: BS 89

EPA SW-846 EXTRACTION METHOD:

SONICATION EPA 3550

1:1 Acetone : $MeCl_2$

SOXHLET EPA 3540

chlorobenzene: WG 42503

WORKGROUP NO.: WG 42504

BNA SURROGATE SPIKE I.D.#: 54

BNA MATRIX SPIKE I.D.#: ~~[illegible]~~ 80, ~~71~~, ~~47~~ 121 122

full spike, coprost, caff.

| Date/ Analyst | Sample Number | Project Number | Sample Description | coc | Init. Amt (g) | Spike Amount (uL) | Vf (mL) | Clean ups (GPC) | Conc Anal. | Turn Over Date | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5-3-99 LM/MM | WG42504-1 | QC | MB | | 15 | 54 - 50ul | 0.5 | GPC | MM | 5/5/99 | |
| | -2 | | SB | | | 54 - 50ul | | | | | |
| | -3 | | MS (L15421-1) | | | 80-100ul 121 #71-80 122 #47-20ul | | | | | |
| | -4 | | MSD (L15421-1) | | | MM 5/3/99 | | | | | |
| OK | -5 | | LD (L15421-2) | | | 54 - 50ul | | | | | Rename to L15421-2 |
| | -6 | | SRM (1941A) | | | | | | | | |
| | L15421-1 | 423056-160 | Norfolk Cleanup | | | | | | | | |
| | -2 | | Failed SURROGATE Rec | | | | | | | | Use LD data |
| | -3 | | | | | | | | | | |
| | -4 | | Failed SURROGATE Rec | | | | | | | | Re-extract |
| 5-10-99 LM/MM | WG42504-7 | | MB | | 15 | 54 - 50ul | 0.5 | GPC | LM | 5/12/99 | all glassware acid rinsed |
| | WG42504-8 | | SB | | | 54 - 50ul | | | | | |
| | WG42504-5 | | LD (L15421-4) | | | 80-100ul 121 [illegible] 122 54 - 50ul | | | | | |
| | L15421-4 | | Norfolk Cleanup | | | | | | | | |

METRO Environmental Laboratory

WORK GROUP REPORT (wk02)

May 18 1999, 01:20 pm

Work Group: WG42503 (BS#89-chlorobenzenes) for Department: 7 - Organics, Trace

Created: 03-MAY-1999 Due: Operator: lm/mm

| Sample | Project Number | Project Description | PKey | C | Product | Matrix | Stat | UA | Workdate | Duedate |
|---|---|---|---|---|---|---|---|---|---|---|
| L15421-1 | 423056-160 | Norfolk Cleanup Study | SED | S | CHLOROBENZENES | SALTWTRSED | ANAL | U | 07-MAY-99 | 07-JUN-99 |
| L15421-2 | 423056-160 | Norfolk Cleanup Study | SED | S | CHLOROBENZENES | SALTWTRSED | ANAL | U | 07-MAY-99 | 07-JUN-99 |
| L15421-3 | 423056-160 | Norfolk Cleanup Study | SED | S | CHLOROBENZENES | SALTWTRSED | ANAL | U | 07-MAY-99 | 07-JUN-99 |
| L15421-4 | 423056-160 | Norfolk Cleanup Study | SED | S | CHLOROBENZENES | SALTWTRSED | ANAL | U | 07-MAY-99 | 07-JUN-99 |
| WG42503-1 | MB | | | S | CHLOROBENZENES | OTHR SOLID | ANAL | U | 03-MAY-99 | |
| WG42503-2 | SB | | | S | CHLOROBENZENES | OTHR SOLID | ANAL | U | 03-MAY-99 | |
| WG42503-3 | MS | | | S | CHLOROBENZENES | SALTWTRSED | ANAL | U | 03-MAY-99 | |
| WG42503-4 | MSD | | | S | CHLOROBENZENES | SALTWTRSED | ANAL | U | 03-MAY-99 | |
| WG42503-5 | LD | | | S | CHLOROBENZENES | SALTWTRSED | ANAL | U | 03-MAY-99 | |
| WG42503-7 | MB | | | S | CHLOROBENZENES | OTHR SOLID | ANAL | U | 10-MAY-99 | |
| WG42503-8 | SB | | | S | CHLOROBENZENES | OTHR SOLID | PREP | U | 18-MAY-99 | |

Comments:

| | |
|---|---|
| L15421-1 | 3-Grab Composite, 0 - 10 cm |
| L15421-2 | 3-Grab Composite, 0 - 10 cm |
| L15421-3 | 3-Grab Composite, 0 - 10 cm |
| L15421-4 | 3-Grab Composite, 0 - 10 cm |
| WG42503-1 | MB050399 |
| WG42503-2 | WG42503-1 |
| WG42503-3 | L15421-1 |
| WG42503-4 | WG42503-3 L15421-1 |
| WG42503-5 | L15421-4 |
| WG42503-7 | MB051099 |
| WG42503-8 | WG42503-7 |

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 05/25/1999 03:02
Run ID: R28764 Workgroup: WG42503 (BS#89-chlorobenzenes)

MB:WG42503-1 Matrix: OTHR SOLID Listtype: ORCHLOROB Method: EPA3550B/8270C SIM(7-3-01-004) Project: PKey: SED

| Parameter | Mdl | Rdl | Units | MB Value | Qual |
|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | |
| 1,4-Dichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | |
| 1,2-Dichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | |
| 1,2,4-Trichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | |
| Hexachlorobenzene | .69 | 1.33 | ug/Kg | <MDL | |

SB:WG42503-2 MB:WG42503-1 Matrix: OTHR SOLID Listtype: ORCHLOROB Method: EPA3550B/8270C SIM(7-3-01-004) Project: PKey: SED

| Parameter | Mdl | Rdl | Units | MB Value | Truevalue | SB Value | % Rec. | Qual | Limits | Truevalue | Value | % Rec. | Qual | Limits | RPD/RSD | Qual | Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | 1333.3333 | 747 | 56 | | 50-150 | | | | | | | | 100 |
| 1,4-Dichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | 1333.3333 | 739 | 55 | | 50-150 | | | | | | | | 100 |
| 1,2-Dichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | 1333.3333 | 734 | 59 | | 50-150 | | | | | | | | 100 |
| 1,2,4-Trichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | 1333.3333 | 649 | 49 | * | 50-150 | | | | | | | | 100 |
| Hexachlorobenzene | .69 | 1.33 | ug/Kg | <MDL | 1333.3333 | 916 | 69 | | 50-150 | | | | | | | | 100 |

MS:WG42503-3 MSD:WG42503-4 L15421-1 Matrix: SALTWTRSED Listtype: ORCHLOROB Method: EPA3550B/8270C SIM(7-3-01-004) Project: 423056-160 PKey: SED

| Parameter | Mdl | Rdl | Units | Samp/value | Truevalue | MS Value | % Rec. | Qual | Limits | Truevalue | MSD Value | % Rec. | Qual | Limits | RPD/RSD | Qual | Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | 1333.3333 | 652 | 49 | G | 50-150 | 1333.3333 | 631 | 47 | * | 50-150 | 4 | | 100 |
| 1,4-Dichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | 1333.3333 | 644 | 48 | G | 50-150 | 1333.3333 | 621 | 47 | * | 50-150 | 2 | | 100 |
| 1,2-Dichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | 1333.3333 | 634 | 51 | | 50-150 | 1333.3333 | 661 | 50 | | 50-150 | 2 | | 100 |
| 1,2,4-Trichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | 1333.3333 | 578 | 43 | G | 50-150 | 1333.3333 | 576 | 43 | * | 50-150 | 0 | | 100 |
| Hexachlorobenzene | .69 | 1.33 | ug/Kg | <MDL | 1333.3333 | 878 | 67 | | 50-150 | 1333.3333 | 1040 | 78 | | 50-150 | 15 | | 100 |

LD:WG42503-5 L15421-4 Matrix: SALTWTRSED Listtype: ORCHLOROB Method: EPA3550B/8270C SIM(7-3-01-004) Project: 423056-160 PKey: SED

| Parameter | Mdl | Rdl | Units | Samp/value | Truevalue | LD Value | % Rec. | Qual | Limits | RPD/RSD | Qual | Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 1,4-Dichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 1,2-Dichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| 1,2,4-Trichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Hexachlorobenzene | .69 | 1.33 | ug/Kg | <MDL | | <MDL | | | | | | 100 |

MB:WG42503-7 Matrix: OTHR SOLID Listtype: ORCHLOROB Method: EPA3550B/8270C SIM(7-3-01-004) Project: PKey: SED

| Parameter | Mdl | Rdl | Units | MB Value | Qual |
|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | |
| 1,4-Dichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | |
| 1,2-Dichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | |
| 1,2,4-Trichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | |
| Hexachlorobenzene | .69 | 1.33 | ug/Kg | <MDL | |

KING COUNTY METRO ENVIFONMENTAL LABORATORY
Lab QC Report - 05/25/1999 03:02
Run ID: R28764 Workgroup: WG42503 (BS#89-chlorobenzenes)

SB:WG42503-B MB:WG42503-7 Matrix: OTHR SOLID Listtype: ORCHLORO8 Method: EPA3550E/8270C SIM(7-3-01-004) Project: PKey: SED

| Parameter | Mdl | Rdl | Units | MB Value | Truevalue | SB Value | % Rec. | Qual | Limits | Truevalue | Value | % Rec. | Qual | Limits | RPD/RSD | Qual | Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | 1333.3333 | 873 | 65 | | 50-150 | | | | | | | | 100 |
| 1,4-Dichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | 1333.3333 | 871 | 65 | | 50-150 | | | | | | | | 100 |
| 1,2-Dichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | 1333.3333 | 910 | 68 | | 50-150 | | | | | | | | 100 |
| 1,2,4-Trichlorobenzene | .69 | 1.33 | ug/Kg | <MDL | 1333.3333 | 708 | 53 | | 50-150 | | | | | | | | 100 |
| Hexachlorobenzene | .69 | 1.33 | ug/Kg | <MDL | 1333.3333 | 1040 | 78 | | 50-150 | | | | | | | | 100 |

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 05/25/1999 03:02
Run ID: R28764 Workgroup: WG42503 (BS#89-chlorobenzenes)

| Sample # | d4-1,2-Dichlorobenzene 50-150 | |
|---|---|---|
| L15421-1 | avg=35 | 35 G |
| L15421-2 | avg=32 | 32 G |
| L15421-3 | avg=38 | 38 G |
| L15421-4 | avg=33 | 33 G |
| WG42503-1 | avg=38 | 38 G |
| WG42503-2 | avg=45 | 45 G |
| WG42503-3 | avg=39 | 39 G |
| WG42503-4 | avg=36 | 36 G |
| WG42503-5 | avg=35 | 35 G |
| WG42503-7 | avg=34 | 34 G |
| WG42503-8 | avg=51 | 51 |

METRO Environmental Laboratory

WORK GROUP REPORT (wk02)

May 04 1999, 02:40 pm

Work Group: WG42505 (PPS#175-pcb) for Department: 7 - Organics, Trace

Created: 03-MAY-1999 Due: Operator: lm/mm

| ample | Project Number | Project Description | PKey | C | Product | Matrix | Stat | UA | Workdate | Duedate |
|---|---|---|---|---|---|---|---|---|---|---|
| 15421-1 | 423056-160 | Norfolk Cleanup Study | SED | S | PCB | SALTWTRSED | PREP | U | 07-MAY-99 | 07-JUN-99 |
| 15421-2 | 423056-160 | Norfolk Cleanup Study | SED | S | PCB | SALTWTRSED | PREP | U | 07-MAY-99 | 07-JUN-99 |
| 15421-3 | 423056-160 | Norfolk Cleanup Study | SED | S | PCB | SALTWTRSED | PREP | U | 07-MAY-99 | 07-JUN-99 |
| 15421-4 | 423056-160 | Norfolk Cleanup Study | SED | S | PCB | SALTWTRSED | PREP | U | 07-MAY-99 | 07-JUN-99 |
| G42505-1 | MB | | | S | PCB | OTHR SOLID | PREP | U | 03-MAY-99 | |
| G42505-2 | SB | | | S | PCB | OTHR SOLID | PREP | U | 03-MAY-99 | |
| G42505-3 | MS | | | S | PCB | SALTWTRSED | PREP | U | 03-MAY-99 | |
| G42505-4 | MSD | | | S | PCB | SALTWTRSED | PREP | U | 03-MAY-99 | |
| G42505-5 | LD | | | S | PCB | SALTWTRSED | PREP | U | 03-MAY-99 | |
| G42505-6 | SRM | | | S | PCB | OTHR SOLID | PREP | U | 03-MAY-99 | |

omments:

| | |
|---|---|
| 15421-1 | 3-Grab Composite, 0 - 10 cm |
| 15421-2 | 3-Grab Composite, 0 - 10 cm |
| 15421-3 | 3-Grab Composite, 0 - 10 cm |
| 15421-4 | 3-Grab Composite, 0 - 10 cm |
| G42505-1 | MB050399 |
| G42505-2 | WG42505-1 |
| G42505-3 | L15421-1 |
| G42505-4 | WG42505-3 L15421-1 |
| G42505-5 | L15421-2 |
| G42505-6 | HS2 |

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 05/24/1999 10:53
Run ID: R28582 Workgroup: WG42505 (PPS#175-pcb)

MB:WG42505-1 Matrix: OTHR SOLID Listtype: ORPCB Method: EPA 3550B/8082 (7-3-03-002) Project: PKey: SED

| Parameter | Mdl | Rdl | Units | MB Value | Qual |
|---|---|---|---|---|---|
| Aroclor 1016 | 17 | 33.3 | ug/Kg | <MDL | |
| Aroclor 1221 | 17 | 33.3 | ug/Kg | <MDL | |
| Aroclor 1232 | 17 | 33.3 | ug/Kg | <MDL | |
| Aroclor 1242 | 17 | 33.3 | ug/Kg | <MDL | |
| Aroclor 1248 | 17 | 33.3 | ug/Kg | <MDL | |
| Aroclor 1254 | 17 | 33.3 | ug/Kg | <MDL | |
| Aroclor 1260 | 17 | 33.3 | ug/Kg | <MDL | |

SB:WG42505-2 MB:WG42505-1 Matrix: OTHR SOLID Listtype: ORPCB Method: EPA 3550B/8082 (7-3-03-002) Project: PKey: SED

| Parameter | Mdl | Rdl | Units | MB Value | Truevalue | SB Value | % Rec. | Qual | Limits | Truevalue | Value | % Rec. | Qual | Limits | RPD/RSD | Qual | Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1260 | 17 | 33.3 | ug/Kg | <MDL | 100 | 93 | 93 | | 50-150 | | | | | | | | |

MS:WG42505-3 MSD:WG42505-4 L15421-1 Matrix: SALTWTRSED Listtype: ORPCB Method: EPA 3550B/8082 (7-3-03-002) Project: 423056-160 PKey: SED

| Parameter | Mdl | Rdl | Units | SampValue | Truevalue | MS Value | % Rec. | Qual | Limits | Truevalue | MSD Value | % Rec. | Qual | Limits | RPD/RSD | Qual | Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 17 | 33.3 | ug/Kg | <MDL | | <MDL | | | 50-150 | | <MDL | | | 50-150 | | | 100 |
| Aroclor 1221 | 17 | 33.3 | ug/Kg | <MDL | | <MDL | | | 50-150 | | <MDL | | | 50-150 | | | 100 |
| Aroclor 1232 | 17 | 33.3 | ug/Kg | <MDL | | <MDL | | | 50-150 | | <MDL | | | 50-150 | | | 100 |
| Aroclor 1242 | 17 | 33.3 | ug/Kg | <MDL | | <MDL | | | 50-150 | | <MDL | | | 50-150 | | | 100 |
| Aroclor 1248 | 17 | 33.3 | ug/Kg | <MDL | | <MDL | | | 50-150 | | <MDL | | | 50-150 | | | 100 |
| Aroclor 1254 | 17 | 33.3 | ug/Kg | <MDL | | <MDL | | | 50-150 | | <MDL | | | 50-150 | | | 100 |
| Aroclor 1260 | 17 | 33.3 | ug/Kg | <MDL | 100 | 100 | 100 | | 50-150 | 100 | 97.8 | 98 | | 50-150 | 2 | | 100 |

LD:WG42505-5 L15421-2 Matrix: SALTWTRSED Listtype: ORPCB Method: EPA 3550B/8082 (7-3-03-002) Project: 423056-160 PKey: SED

| Parameter | Mdl | Rdl | Units | SampValue | Truevalue | LD Value | % Rec. | Qual | Limits | RPD/RSD | Qual | Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 17 | 33.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Aroclor 1221 | 17 | 33.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Aroclor 1232 | 17 | 33.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Aroclor 1242 | 17 | 33.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Aroclor 1248 | 17 | 33.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Aroclor 1254 | 17 | 33.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |
| Aroclor 1260 | 17 | 33.3 | ug/Kg | <MDL | | <MDL | | | | | | 100 |

SRM:WG42505-6 Matrix: OTHR SOLID Listtype: ORPCB Method: EPA 3550B/8082 (7-3-03-002) Project: PKey: SED

| Parameter | Mdl | Rdl | Units | SampValue | Truevalue | SRM Value | % Rec. | Qual | Limits | RPD/RSD | Qual | Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1254 | 10 | 20 | ug/Kg | | 111.8 | 96.8 | 87 | | 80-120 | | | |

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 05/24/1999 10:53
Run ID: R28582 Workgroup: WG42505 (PPS#175-pcb)

| Sample # | 2,4,5,6-Tetrachloro-m-xylene 50-150 | Decachlorobiphenyl 50-150 |
|---|---|---|
| L15421-1 | 100 | 97 |
| L15421-2 | 109 | 109 |
| L15421-3 | 106 | 104 |
| L15421-4 | 101 | 105 |
| WG42505-1 | 93 | 98 |
| WG42505-2 | 98 | 97 |
| WG42505-3 | 99 | 103 |
| WG42505-4 | 103 | 103 |
| WG42505-5 | 88 | 96 |
| WG42505-6 | 98 | 112 |

[redacted]

# SOLID AND TISSUE SAMPLE EXTRACTION RECORD

## TRACE ORGANICS LABORATORY

QC BATCH NO.: PPS#175 (Mellz: Acetone) WORKGROUP NO.: WG42505

EPA SW-846 EXTRACTION METHOD: PESTICIDE SURROGATE SPIKE I.D.#: 100

SONICATION EPA 3550 SOXHLET EPA 3540 PCB PESTICIDE MATRIX SPIKE ID.#: 102

000064

| Date/ Analyst | Sample Number | Project Number | Sample Description | coc | Init. Amt (g) | Spike Amount (uL) | Vf (mL) | Clean ups (GPC AL TBA H+) | Conc Anal. | Turn Over Date | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5-3-99 LM/MD | WG42505-1 | QC | MB | | 30 | #100 - 100ul | 10 | H+, TBA | MM | 5/4/99 | |
| | -2 | | SB | | | #100 - 100ul #102 - 300ul | | | | | |
| | -3 | | MS (L15421-1) | | | | | | | | |
| | -4 | | MSD (L15421-1) | | | | | | | | |
| | -5 | | LD (L15421-2) | | | #100 - 100ul | | | | | |
| | -6 | | SRM HS2 ~~Norfolk Cleanup~~ | | 15 | #100 - 50ul | 3 | | | | |
| | L15421-1 | 42505-160 | Norfolk Cleanup | | 30 | #100 - 100ul | 10 | | | | |
| | -2 | | | | | | | | | | |
| | -3 | | | | | | | | | | |
| | -4 | | | | | | | | | | |