| Sampling Point | HI | | | | CR | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Adult Winter | Child Winter | Adult Summer | Child Summer | Adult Winter | Child Winter | Adult Summer | Child Summer |
| Gabtoli Dhalwes | 33.24 | 24.17 | 19.94 | 14.55 | 0.012 | 0.009 | 0.007 | 0.005 |
| Gabtoli Turag | 35.52 | 25.83 | 27.95 | 20.36 | 0.011 | 0.008 | 0.008 | 0.006 |
| Shah Cement | 39.89 | 29.02 | 41.03 | 29.85 | 0.007 | 0.006 | 0.005 | 0.004 |
| Hazaribag | 251.08 | 194.7 | 252.73 | 195.16 | 0.069 | 0.059 | 0.062 | 0.052 |
| Rayerbazar | 15.75 | 11.54 | 31.52 | 22.91 | 0.005 | 0.004 | 0.004 | 0.003 |
| Kholamora | 15.63 | 11.44 | 19.28 | 14.07 | 0.004 | 0.003 | 0.005 | 0.004 |
| Zinzira | 56.9 | 42.06 | 67.09 | 49.43 | 0.014 | 0.012 | 0.013 | 0.010 |
| Sadarghat Terminal | 95.63 | 70.29 | 132.03 | 96.61 | 0.035 | 0.032 | 0.039 | 0.035 |
| Postogola Bri | 56.08 | 41.06 | 74.68 | 54.38 | 0.017 | 0.015 | 0.013 | 0.012 |

| **Health Risk parameters** | **Winter** | | | | | | **Summer** | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Ingestion** | | | **Dermal** | | | **Ingestion** | | | **Dermal** | | |
| **Mean** | **SD** | **Range** | **Mean** | **SD** | **Range** | **Mean** | **SD** | **Range** | **Mean** | **SD** | **Range** |
| **Non- Carcinogenic Risk** | | | | | | | | | | | | |
| Mn HQ Adult |  |  |  |  |  |  |  |  |  |  |  |  |
| Mn HQ children |  |  |  |  |  |  |  |  |  |  |  |  |
| Cr HQ Adult |  |  |  |  |  |  |  |  |  |  |  |  |
| Cr HQ children |  |  |  |  |  |  |  |  |  |  |  |  |
| Ni HQ Adult |  |  |  |  |  |  |  |  |  |  |  |  |
| Ni HQ children |  |  |  |  |  |  |  |  |  |  |  |  |
| Cu HQ Adult |  |  |  |  |  |  |  |  |  |  |  |  |
| Cu HQ children |  |  |  |  |  |  |  |  |  |  |  |  |
| Zn HQ Adult |  |  |  |  |  |  |  |  |  |  |  |  |
| Zn HQ children |  |  |  |  |  |  |  |  |  |  |  |  |
| As HQ Adult |  |  |  |  |  |  |  |  |  |  |  |  |
| As HQ children |  |  |  |  |  |  |  |  |  |  |  |  |
| Cd HQ Adult |  |  |  |  |  |  |  |  |  |  |  |  |
| Cd HQ children |  |  |  |  |  |  |  |  |  |  |  |  |
| Hg HQ Adult |  |  |  |  |  |  |  |  |  |  |  |  |
| Hg HQ children |  |  |  |  |  |  |  |  |  |  |  |  |
| Pb HQ Adult |  |  |  |  |  |  |  |  |  |  |  |  |
| Pb HQ children |  |  |  |  |  |  |  |  |  |  |  |  |
| **HI Adult** |  |  |  |  |  |  |  |  |  |  |  |  |
| **HI children** |  |  |  |  |  |  |  |  |  |  |  |  |
| **Carcinogenic Risk** | | | | | | | | | | | | |
| Cd ILCR Adult |  |  |  |  |  |  |  |  |  |  |  |  |
| Cd ILCR Children |  |  |  |  |  |  |  |  |  |  |  |  |
| Cr ILCR Adult |  |  |  |  |  |  |  |  |  |  |  |  |
| Cr ILCR Children |  |  |  |  |  |  |  |  |  |  |  |  |