Main Report

- **Page 10**: Delete final sentence of first paragraph and replace with paragraph later in same section describing the document’s publication history.
- **Page 11**: Delete lead-in sentence and three bullet points at end of Section 1.0 (beginning “This reflects…” and ending “…peer review”).
- **Page 14**: Delete final paragraph of Section 1.3 (beginning “Which of…” and ending “…2013.”).
- **Page 34**: Delete second line from top – replace “higher than” with “of”.
- **Page 61 (Table 3.3)**: Top two produce types for cadmium are green and root vegetables, not root and tuber as stated. Top two produce types for hexavalent chromium are tuber vegetables and tree fruit, not root vegetables and tree fruit as stated.
- **Page 73 (Table 3.6)**: Occupancy period (indoors), information in “value” column should say: AC4: 23 hour.day\(^{-1}\); AC 5-12: 19 hour.day\(^{-1}\); AC13-16: 15 hour.day\(^{-1}\); AC17-18: 16 hour.day\(^{-1}\).
- **Page 76 (Section 3.6.4.3, 7th para, 1\(^{st}\) and 2nd sentences)**: should say “A value of 50 mg.day\(^{-1}\) is selected as the soil ingestion rate for POS\(_{park}\) for age classes 1-12 on the basis of the proportion of the daily ingestion rate (100 mg.day\(^{-1}\)) assigned by the USEPA (2011) to direct soil ingestion from outdoor sources (50%). A soil ingestion rate of 20 mg.day\(^{-1}\) is assigned to adults by the USEPA (2011) and this value is recommended here when considering age classes 13-18 (e.g. for lifetime exposure).” (As opposed to 50 mg.day\(^{-1}\) for age classes 1-16 and 20 mg.day\(^{-1}\) for age classes 17-18 as stated).
- **Page 76 (Table 3.7)**: Soil ingestion rate, information in “value” column should say AC1-12: 50 mg.day\(^{-1}\); AC13-18: 20 mg.day\(^{-1}\). Also, add note regarding use of adult soil ingestion rate for teenagers.
- **Page 94**: Delete final paragraph of Section 5.4 (beginning “It is important…” and ending “…2013.”).
Appendix C (Arsenic)

- **Section 2.1.1 (second paragraph):** delete TOX 3.
- **Section 2.1.4 (Table 2.2):** average BMD\(_1\) from Chen et al 2010a should be 9.1.
- **Section 2.1.8 (opening sentence):** Change 0.09 to 0.02, ‘margin of 50’ to ‘margin of 250’ and ‘1 in 10,000’ to ‘1 in 50,000’.
- **Table 2.7:** Inhalation rate and LLTC\(_{\text{inhal}}\) for POS\(_{\text{resi}}\) should be 11 m\(^3\).day\(^{-1}\) and 6.9 ng kg\(^{-1}\) bw day\(^{-1}\), respectively.
- **Table 4.1:** pC4SLs for POS\(_{\text{park}}\) should be 170 mg/kg not 168 mg/kg (two significant figures).
- **Table 4.5:** pC4SLs for POS\(_{\text{park}}\) should be 170 mg/kg not 168 mg/kg (two significant figures).

**Important Note:** The SP1010 Policy Companion Document has been updated to reflect the amendments to the pC4SL for arsenic

Appendix D (Benzene)

- **Section 2.1.1:** ELCR needs to be spelled out in para 3 not para 5.
- **Section 2.1.2 (2b para 6):** UF of 300 rather than 270.
- **Section 2.2.4:** intake values should be 5, 0.5 and 0.05 µg kg\(^{-1}\) bw day\(^{-1}\), respectively, rather than 4, 0.5 and 0.05...
- **Section 2.2.4 (in table):** air concentration for 1 in 50000 should be 3.4 ug/m\(^3\) rather than 3.2.
- **Section 2.2.5:** air concentration of 5 µg m\(^{-3}\) rather than 5 ng m\(^{-3}\).
- **Section 2.2.6 (Table 2.3):** delete footnote 2.
- **Section 2.2.6 (Table 2.3):** Inhalation rate and LLTC\(_{\text{inhal}}\) for POS\(_{\text{resi}}\) should be 11 m\(^3\).day\(^{-1}\) and 2.6 µg kg\(^{-1}\) bw day\(^{-1}\), respectively.
- **Section 4.1 (Table 4.1):** pC4SL for POS\(_{\text{park}}\) exposure changes only should be 110 mg/kg not 113 mg/kg (two significant figures).
- **Section 4.5 (Table 4.5):** pC4SL for POS\(_{\text{park}}\) exposure changes only should be 110 mg/kg not 113 mg/kg (two significant figures).
Appendix E (Benzo-a-pyrene)

- **Table 2.4**: Inhalation rate for \( \text{POS}_{\text{resi}} \) should be 11 m\(^3\).day\(^{-1}\).
- **Table 4.1 and Table 4.5**: pC4SLs for commercial should be 77 mg.kg\(^{-1}\) and not 76 mg.kg\(^{-1}\) as reported.
- **Section 4.2.4**: pC4SL for commercial should be changed from 76 to 77 mg.kg\(^{-1}\).

**Important Note: The SP1010 Policy Companion Document has been updated to reflect the amendments to the pC4SL for benzo(a)pyrene**

Appendix F (Cadmium)

- **Throughout document**: change LLTC\(_{\text{inhalation}}\) to LLTC\(_{\text{inhal}}\).
- **Section 2.1.8 (2\(^{nd}\) paragraph)**: Edit units in paragraph starting Figure 2.3, taken from EFSA….twice it should be µg kg\(^{-1}\) bw day\(^{-1}\). Last line of this paragraph change 10% to '5% of the population'.
- **Section 2.2.4 (4\(^{th}\) paragraph)**: In the sentence 'As the marker concentrations….,' change units to mg kg\(^{-1}\) bw day\(^{-1}\).
- **Section 3.1, page 23, 3\(^{rd}\) para, 3\(^{rd}\) sentence**: should say "Note that for consumption of homegrown produce CLEA predicts the greatest exposure to cadmium from **green** vegetables and **root** vegetables for both the residential and allotments scenarios." (As opposed to root and tuber vegetables as stated).

This has implications for the pC4SLs for residential with consumption of homegrown produce and allotments land-uses. The reader is referred to the updated version of the appendix for details.

- **Section 4.1 (Table 4.1)**: pC4SL for \( \text{POS}_{\text{park}} \) exposure changes only should be 560 mg/kg not 555 mg/kg. pC4SL for residential (without consumption of homegrown produce) with changes in LLTC should be 150 mg/kg not 146 mg/kg. pC4SL for residential (without consumption of homegrown produce) with changes in exposure and LLTC should be 150 mg/kg not 149 mg/kg. pC4SL for commercial with changes to LLTC should be 420 mg/kg, not 417 mg/kg. All to reflect rounding to two significant figures.

In addition, pC4SL for residential (with homegrown produce) with exposure changes only should be 14 mg/kg not 17 mg/kg. pC4SL for allotments with exposure changes only should be 2.4 mg/kg not 3.1 mg/kg. pC4SL for residential (with homegrown produce) with changes in exposure and LLTC should be 22 mg/kg not 26 mg/kg. pC4SL for
allotments with changes in exposure and LLTC should be 3.9 mg/kg not 4.9 mg/kg.

- **Section 4.5 (Table 4.5):** pC4SL for POS\textsubscript{park} exposure changes only should be 560 mg/kg not 555 mg/kg. pC4SL for residential (without consumption of homegrown produce) with changes in LLTC should be 150 mg/kg not 146 mg/kg. pC4SL for residential (without consumption of homegrown produce) with changes in exposure and LLTC should be 150 mg/kg not 149 mg/kg. pC4SL for commercial with changes to LLTC should be 420 mg/kg, not 417 mg/kg. All to reflect rounding to two significant figures.

**Important Note:** The SP1010 Policy Companion Document has been updated to reflect the amendments to the pC4SL for cadmium.

**Appendix G (Chromium (VI))**

- **Section 2.1.2 (2a, paragraph 6):** dose of $1 \mu g \, kg^{-1} \, bw \, day^{-1}$ rather than $1 \mu g \, m^{-3}$.

- **Table 2.5:** Inhalation rate and LLTC\textsubscript{inhal} for POS\textsubscript{resi} should be $11 \, m^{3} \, day^{-1}$ and $0.27 \, ng \, kg^{-1} \, bw \, day^{-1}$, respectively.

- **Section 3.1, page 23, 3\textsuperscript{rd} para, 3\textsuperscript{rd} sentence:** should say "Note that for consumption of homegrown produce CLEA predicts the greatest exposure to chromium (VI) from tuber vegetables and tree fruit for both the residential and allotments scenarios (via ingestion of soil attached to produce)." (As opposed to root vegetables and tree fruit as stated).

- **Table 4.1.** POS\textsubscript{resi} (with changes in exposure and LLTC) should be 21 mg.kg\textsuperscript{-1}, not 23 mg.kg\textsuperscript{-1}.

- **Section 4.2.1, page 29, 3\textsuperscript{rd} para, point (1):** LLTC\textsubscript{inhal} should be $3.4 \times 10^{-4} \, ug.\,kg^{-1} \, bw \, day^{-1}$.

- **Section 4.2.2, page 31, 2\textsuperscript{nd} para, point (1):** LLTC\textsubscript{inhal} should be $3.4 \times 10^{-4} \, ug.\,kg^{-1} \, bw \, day^{-1}$.

- **Section 4.2.3, page 32, point (1):** LLTC\textsubscript{inhal} should be $1.5 \times 10^{-4} \, ug.\,kg^{-1} \, bw \, day^{-1}$.

- **Table 4.5.** POS\textsubscript{resi} (LLTCs with suggested changes to exposure parameters) should be 21 mg.kg\textsuperscript{-1}, not 23 mg.kg\textsuperscript{-1}.

**Important Note:** The SP1010 Policy Companion Document has been updated to reflect the amendments to the pC4SL for hexavalent chromium.
Appendix H (Lead)

- **Section 2.2.1 (page 8, para 6):** 'have not been included' i.e. typo - insert space.

- **Section 2.2.4 (page 12, para 3):** Delete whole of sentence starting 'It would seem pragmatic, given the variations......to a 1 point reduction in IQ'.

- **Table 3.1:** Add solubility in water of $2.96 \times 10^5$ mg L$^{-1}$, ‘Pb proportion of lead nitrate solubility (473.5 g L$^{-1}$ at 10 °C; Lide, 2008)’ and soil-water partition coefficient (Kd) of 1000 cm$^3$.g$^{-1}$ ‘reference value for loam recommended by Thorne et al (2005)’.

- **Table 3.5:** The geomean value for green vegetables should be $4.19e^{-3}$ mg g$^{-1}$ FW plant over mg g$^{-1}$ DW soil.

- **Section 4.1 (Table 4.1):** pC4SL for commercial with LLTC of 0.57 ug/kg/d should be 2200 mg/kg not 2160 mg/kg; for LLTC of 0.63 ug/kg/d should be 2300 mg/kg not 2330 mg/kg and for LLTC of 0.89 ug/kg/d should be 2700 mg/kg not 2690 mg/kg. All to reflect rounding to two significant figures.

---

**Important Note: The SP1010 Policy Companion Document has been updated to reflect the amendments to the pC4SL for lead**

---
