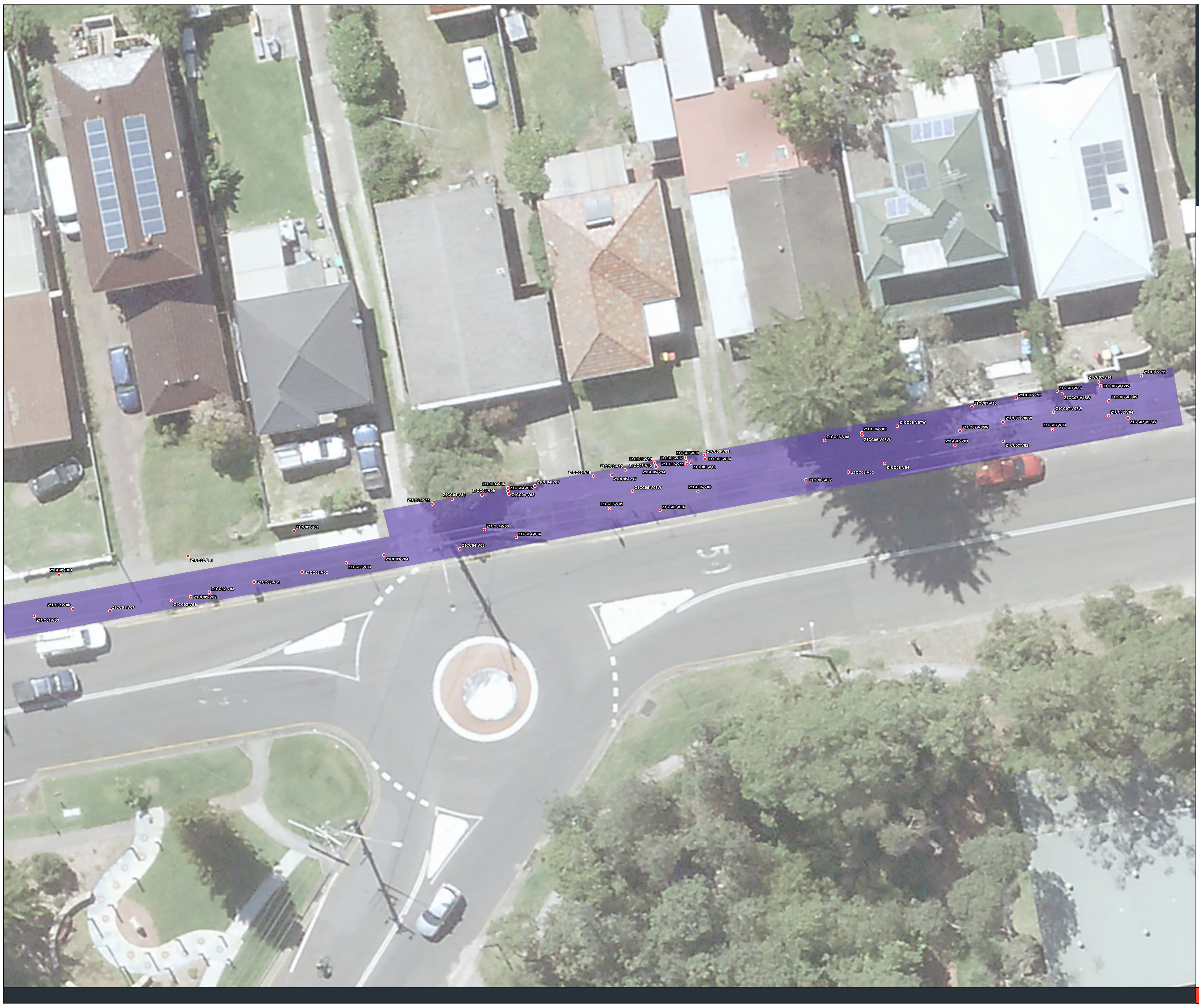

**Ampol Kurnell Terminal – Emergency Response**

# Figure 1.1
Remediation Zone1 -
Sampled locations and table

## Legend

- ● Remediation Zone Samples
- ▨ Remediation Zone 1

MAROUBRA
BOTANY BAY
KURNELL
MIRANDA
CRONULLA
BUNDEENA

0 0.007 0.014 km

Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A1

1:140 Date: 20/05/2022

Data sources: Metromap Aerial Imagery; NSW Department of Planning and Environment; Geoscience Australia; Ampol

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|  |  |  |  |  | TRH #1 |  |  |  |  |  |  |  |  |  |  |  | PAH #2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | BTEXN #1 |  |  |  |  |  |  | Physicochemical parameters |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | C6 - C9 | C10 - C14 | C15 - C28 | C29 - C36 | C10 - C36 (Sum) | C6 - C10 | C6 - C10 less BTEX (F1) | C10 - C16 | C10 - C16 less Naphthalene (F2) | C16 - C34 | C34 - C40 | C10 - C40 (Sum) | Acenaphthene | Acenaphthylene | Anthracene | Benz(a)anthracene | Benzo(a) pyrene | Benzo(a)pyrene TEQ calc (Zero) | Benzo(a)pyrene TEQ (medium bound) | Benzo(a)pyrene TEQ (upper bound) | Benzo(b&j)fluoranthene | Benzo(g,h,i)perylene | Benzo(k)fluoranthene | Chrysene | Dibenz(a,h)anthracene | Fluoranthene | Fluorene | Indeno(1,2,3-c,d)pyrene | Phenanthrene | Pyrene | PAHs (Sum) | Benzene | Toluene | Ethylbenzene | Xylene (m & p) | Xylene (o) | Xylene (Sum) | Naphthalene | % Moisture |
|  |  |  |  |  | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | % |
| Detection Limit |  |  |  |  | 20 | 20 | 50 | 50 | 50 | 20 | 20 | 50 | 50 | 100 | 100 | 100 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.3 | 0.5 | 1 |
| Health Based Criteria, Soil |  |  |  |  |  |  |  |  |  |  | 4,400 |  | 3,300 | 4,500 | 6,300 |  |  |  |  |  |  | 3 | 3 | 3 |  |  |  |  |  |  |  |  |  |  | 300 | 100 | 14,000 | 4,500 |  |  | 12,000 | 1,400 |  |
| Location Description | Location Alt. Name | Date | Location Code | Depth |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Zone 1 | Captain Cook Drive | 21/04/2022 | Z1CC01-V03 | 0.1 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 6.9 |
|  |  |  | Z1CC01-V06 | 0.1 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 7.9 |
|  |  |  | Z1CC01-V07 | 0.1 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 5.4 |
|  |  |  | Z1CC02-V01 | 0.1 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 8.4 |
|  |  |  | Z1CC02-V02 | 0.1 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 7.2 |
|  |  |  | Z1CC02-V03 | 0.1 | <20 | <20 | <50 | 75 | 75 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 6.2 |
|  |  |  | Z1CC03-V01 | 0.1 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 7.2 |
|  |  | 22/04/2022 | Z1CC01-B01 | 0 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 12 |
|  |  |  | Z1CC02-B01 | 0 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 9.0 |
|  |  |  | Z1CC03-B01 | 0 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 8.8 |
|  |  |  | Z1CC03-V02 | 0.1 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 6.4 |
|  |  |  | Z1CC03-V03 | 0.25 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 4.6 |
|  |  |  | Z1CC03-V04 | 0.25 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 4.9 |
|  |  |  | Z1CC04-V02 | 0.23 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 9.8 |
|  |  |  | Z1CC04-V03 | 0.18 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 8.0 |
|  |  |  | Z1CC04-V04 | 0.21 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 0.6 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 7.7 |
|  |  | 23/04/2022 | Z1CC05-V01 | 0.2 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 9.9 |
|  |  |  | Z1CC05-V03W | 0.2 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 7.2 |
|  |  |  | Z1CC05-V04 | 0.2 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 18 |
|  |  |  | Z1CC05-V05 | 0.3 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 14 |
|  |  | 24/04/2022 | Z1CC06-V02 | 0.18 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 9.6 |
|  |  |  | Z1CC06-V03 | 0.2 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 9.7 |
|  |  |  | Z1CC06-V04 | 0.2 | <20 | <100 | 410 | <250 | 410 | <20 | <20 | <250 | <250 | 630 | <500 | 630 | <0.5 | <0.5 | <0.5 | 1.4 | 3.4 | 5.0 | 5.0 | 5.0 | 3.2 | 3.4 | 3.1 | 1.4 | 0.6 | 1.1 | <0.5 | 2.3 | <0.5 | 2.9 | 23 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 10 |
|  |  | 26/04/2022 | Z1CC04-V05 | 0.45 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 5.9 |
|  |  |  | Z1CC04-V06 | 0.25 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 6.3 |
|  |  |  | Z1CC04-V07 | 0.2 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 6.3 |
|  |  |  | Z1CC04-V08 | 0.2 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 11 |
|  |  |  | Z1CC04-V09 | 0.3 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 6.4 |
|  |  |  | Z1CC04-V10 | 0.05 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 8.5 |
|  |  |  | Z1CC04-V11 | 0.05 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 6.0 |
|  |  |  | Z1CC05-V06 | 0.3 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 6.9 |
|  |  |  | Z1CC05-V07 | 0.45 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 13 |
|  |  |  | Z1CC05-V08 | 0.4 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 6.9 |
|  |  |  | Z1CC05-V09 | 0.3 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 15 |
|  |  |  | Z1CC05-V10 | 0.2 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 7.4 |
|  |  |  | Z1CC05-V11 | 0.4 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 8.5 |
|  |  |  | Z1CC05-V12 | 0.25 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 7.2 |
|  |  |  | Z1CC05-V13 | 0.2 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 6.4 |
|  |  |  | Z1CC05-V14 | 0.15 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 7.3 |
|  |  |  | Z1CC05-V15 | 0.15 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 6.5 |
|  |  |  | Z1CC05-V16 | 0.15 | <20 | 22 | 76 | <50 | 98 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 8.2 |
|  |  |  | Z1CC05-V17 | 0.1 | <20 | <20 | 82 | <50 | 82 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 7.1 |
|  |  |  | Z1CC07-V01 | 0.2 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 5.7 |
|  |  |  | Z1CC07-V02 | 0.2 | <20 | <20 | 150 | 60 | 210 | <20 | <20 | <50 | <50 | 180 | <100 | 180 | <0.5 | <0.5 | <0.5 | <0.5 | 0.7 | 0.8 | 1.1 | 1.4 | 0.5 | <0.5 | 0.8 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 2.0 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 6.0 |
|  |  |  | Z1CC07-V03 | 0.2 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 9.7 |
|  |  |  | Z1CC07-V05W | 0.2 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 5.1 |
|  |  |  | Z1CC07-V06W | 0.2 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 5.6 |
|  |  |  | Z1CC07-V07W | 0.2 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 7.3 |
|  |  | 27/04/2022 | Z1CC06-V05 | 0.5 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 8.7 |
|  |  |  | Z1CC06-V06W | 0.3 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 5.8 |
|  |  |  | Z1CC06-V07W | 0.3 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 7.8 |
|  |  |  | Z1CC06-V08 | 0.45 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 8.2 |
|  |  |  | Z1CC07-V04 | 0.25 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 7.2 |
|  |  |  | Z1CC07-V08W | 0.2 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 6.2 |
|  |  |  | Z1CC07-V09W | 0.2 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 5.3 |
|  |  |  | Z1CC07-V10 | 0.3 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 7.1 |
|  |  |  | Z1CC07-V11 | 0.4 | <20 | 34 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 8.2 |
|  |  |  | Z1CC07-V12W | 0.2 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 6.7 |
|  |  |  | Z1CC07-V13 | 0.7 | <20 | 35 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 17 |
|  |  |  | Z1CC07-V14 | 0.4 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 7.6 |
|  |  |  | Z1CC07-V15W | 0.2 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 8.1 |
|  |  |  | Z1CC07-V16 | 0.4 | <20 | <20 | <50 | <50 | <50 | <20 | <20 | <50 | <50 | <100 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | <0.1 | <0.2 | <0.1 | <0.3 | <0.5 | 15 |

**Comments**

(#1) Criteria for TRH and BTEXN adopted from CRC Contamination Assessment and Remediation of the Environment Technical Report 10: Part 1 2011 (CRC CARE, 2011), Table A-4 Health Screening Levels, HSL-A Residential, Direct Contact

(#2) Criteria for PAH adopted from National Environmental Protection (Assessment of Site Contamination) Measure (ASC NEPM), Volume 2, Schedule B1, Table 1A(1) Health investigation levels for soil contaminants, HIL-A Residential