

**APPENDIX A**  
**TABLE 3 - MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL**  
**B. Soil to Groundwater Numeric Values<sup>1</sup>**  
**UPDATED NUMERIC VALUES for CHANGES TO MCLs and HALS**

| REGULATED SUBSTANCE        | CASRN     | Used Aquifers    |                                |                 |                                |                               |                              |                                |                    | Non-Use Aquifers             |                                |                 |                                | Soil Buffer Distance (feet) |
|----------------------------|-----------|------------------|--------------------------------|-----------------|--------------------------------|-------------------------------|------------------------------|--------------------------------|--------------------|------------------------------|--------------------------------|-----------------|--------------------------------|-----------------------------|
|                            |           | TDS ≤ 2500       |                                |                 |                                | TDS > 2500                    |                              |                                |                    | Residential                  |                                | Non-Residential |                                |                             |
|                            |           | Residential      |                                | Non-Residential |                                | Residential                   |                              | Non-Residential                |                    | Residential                  |                                | Non-Residential |                                |                             |
|                            |           | 100 X GW MSC     | Generic Value                  | 100 X GW MSC    | Generic Value                  | 100 X GW MSC                  | Generic Value                | 100 X GW MSC                   | Generic Value      | 100 X GW MSC                 | Generic Value                  | 100 X GW MSC    | Generic Value                  |                             |
| DIOXANE, 1,4-              | 123-91-1  | [0.64] <u>20</u> | [0.084] <u>E</u><br><u>2.6</u> | [3.2] <u>20</u> | [0.42] <u>E</u><br><u>2.6</u>  | [64] <u>E</u><br><u>2,000</u> | [8.4] <u>E</u><br><u>260</u> | [320] <u>E</u><br><u>2,000</u> | [42] <u>260</u>    | [6.4] <u>E</u><br><u>200</u> | [0.84] <u>26</u>               | [32] <u>200</u> | [4.2] <u>26</u>                | NA                          |
| [METHYL CHLORIDE]          | [74-87-3] | [3]              | [0.38] [ <u>E</u> ]            | [3]             | [0.38] [ <u>E</u> ]            | [300]                         | [38] [ <u>E</u> ]            | [300]                          | [38] [ <u>E</u> ]  | [300]                        | [38] [ <u>E</u> ]              | [300]           | [38] [ <u>E</u> ]              | [NA]                        |
| MONOCHLOROACETIC ACID      | 79-11-8   | [7] <u>6</u>     | [0.78] <u>E</u><br><u>0.67</u> | [7] <u>6</u>    | [0.78] <u>E</u><br><u>0.67</u> | [700] <u>E</u><br><u>600</u>  | [78] <u>67</u>               | [700] <u>E</u><br><u>600</u>   | [78] <u>67</u>     | [7] <u>6</u>                 | [0.78] <u>E</u><br><u>0.67</u> | [7] <u>6</u>    | [0.78] <u>E</u><br><u>0.67</u> | NA                          |
| [TRICHLOROPROPANE, 1,2,3-] | [96-18-4] | [4]              | [3.2] [ <u>E</u> ]             | [4]             | [3.2] [ <u>E</u> ]             | [400]                         | [320] [ <u>E</u> ]           | [400]                          | [320] [ <u>E</u> ] | [400]                        | [320] [ <u>E</u> ]             | [400]           | [320] [ <u>E</u> ]             | [NA]                        |

Brackets ([ ]) indicate deletions

Underline indicates additions

<sup>1</sup> For other options see Section 250.308

All concentrations in mg/kg

E - Number calculated by the soil to groundwater equation in Section 250.308

C - Cap

NA - The soil buffer distance option is not available for this substance