

**Table 3-1
AOC-65 Removal Action
Confirmation Sampling Analytical Results**

| | SAMPLE ID | | | | | CS-AOC65-SS-01 | CS-AOC65-SS-01 | CS-AOC65-SS-02 | CS-AOC65-SS-02 | CS-AOC65-SS-02 | CS-AOC65-SS-03 | CS-AOC65-SS-03 | CS-AOC65-SS-04 | CS-AOC65-SS-04 | | | | | | | |
|------------------------------|-------------|---------|-------|---------|--------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------|---------------|----------|--------------|----------|-------|---|
| | SAMPLE DATE | | | | | 07/30/02 | 07/30/02 | 07/30/02 | 07/30/02 | 07/30/02 | 07/30/02 | 07/30/02 | 07/30/02 | 07/30/02 | | | | | | | |
| | SAMPLE TYPE | | | | | N | N | N | N | N | N | N | N | N | | | | | | | |
| BEGINNING DEPTH | | | | | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1.5 | 1.5 | | | | | | | | |
| ENDING DEPTH | | | | | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 3. | 3. | | | | | | | | |
| MATRIX | | | | | SO | SO | SO | SO | SO | SO | SO | SO | SO | | | | | | | | |
| LAB ID | | | | | 39002 | 39002 | 39002 | 39002 | 39002 | 39002 | 39002 | 39002 | 39002 | | | | | | | | |
| DILUTION | | | | | 1 | 40 | 1 | 100 | 200 | 1 | 40 | 1 | 100 | | | | | | | | |
| Soil Comparison Criteria | | | | | | | | | | | | | | | | | | | | | |
| Lab MDL | | | | | | | | | | | | | | | | | | | | | |
| Lab RL | | | | | | | | | | | | | | | | | | | | | |
| Background ^a Soil | | | | | | | | | | | | | | | | | | | | | |
| GWP-Ind (mg/kg) | | | | | | | | | | | | | | | | | | | | | |
| SAI-Ind (mg/kg) | | | | | | | | | | | | | | | | | | | | | |
| | | Results | Flags | Results | Flags | Results | Flags | Results | Flags | Results | Flags | Results | Flags | Results | Flags | | | | | | |
| SW6010B | | | | | | | | | | | | | | | | | | | | | |
| Barium | 0.04 | 1.0 | 186 | 200 | 59000 | 35.46 | J | | | 57.77 | J | | | 12.22 | J | 69.29 | J | | | | |
| Chromium | 0.08 | 20 | 40.2 | 10 | 350000 | 14. | F | | | 31. | | | | 3.9 | F | 64.3 | M | | | | |
| Copper | 0.04 | 2.0 | 23.2 | 130 | 74000 | 7.93 | | | | 77.51 | | | | 4.4 | | 21.55 | | | | | |
| Nickel | 0.096 | 2.0 | 35.5 | 200 | 12000 | 7.86 | | | | 10.74 | | | | 3.43 | | 9.08 | J | | | | |
| Zinc | 0.3 | 2.0 | 73.2 | 3100 | 410000 | 22.79 | J | | | 187.11 | J | | | 9.62 | J | 196.38 | J | | | | |
| SW7060A | | | | | | | | | | | | | | | | | | | | | |
| Arsenic | 0.049 | 0.5 | 19.6 | 5 | 200 | 2.99 | | | | 4.33 | | | | 1.39 | | 3.26 | | | | | |
| SW7131A | | | | | | | | | | | | | | | | | | | | | |
| Cadmium | 0.0189 | 0.1 | 3 | 0.5 | 1500 | 0.24 | | | | 2.06 | R | 15.35 | | 0.1 | | 1.97 | R | 17.49 | M | | |
| SW7421 | | | | | | | | | | | | | | | | | | | | | |
| Lead | 0.071 | 0.5 | 84.5 | 1.5 | 1000 | 24.41 | R | 27.27 | J | 58.01 | R | | | 765.55 | J | 21.08 | R | 22.04 | J | 61.09 | R |
| SW7471A | | | | | | | | | | | | | | | | | | | | | |
| Mercury | 0.02 | 0.1 | 0.77 | 0.2 | 9.6 | 0.03 | F | | | 0.08 | F | | | 0.02 | F | 0.06 | F | | | | |
| SW8082 | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10.0 | 330.0 | -- | -- | -- | | | | | | | | | | | 0. | U | | | | |
| Aroclor 1221 | 13.0 | 330.0 | -- | -- | -- | | | | | | | | | | | 0. | U | | | | |
| Aroclor 1232 | 5.0 | 330.0 | -- | -- | -- | | | | | | | | | | | 0. | U | | | | |
| Aroclor 1242 | 14.0 | 330.0 | -- | -- | -- | | | | | | | | | | | 0. | U | | | | |
| Aroclor 1248 | 6.0 | 330.0 | -- | -- | -- | | | | | | | | | | | 0. | U | | | | |
| Aroclor 1254 | 5.0 | 330.0 | -- | -- | -- | | | | | | | | | | | 0. | U | | | | |
| Aroclor 1260 | 6.0 | 330.0 | -- | -- | -- | | | | | | | | | | | 0. | U | | | | |
| SW8260 | | | | | | | | | | | | | | | | | | | | | |
| Dichlorobenzene, 1,4- | 0.0008 | 0.002 | -- | 7.5 | 138 | 0.001 | F | | | 0.0009 | F | | | 0. | U | 0. | M | | | | |
| Methylene chloride | 0.0013 | 0.005 | -- | 0.5 | 13.8 | 0.0014 | F | | | 0.0018 | F | | | 0. | B | 0.0014 | M | | | | |
| Naphthalene | 0.001 | 0.02 | -- | 409 | 7720 | 0.0095 | R | | | 0.0075 | R | | | 0.0049 | R | 0.004 | R | | | | |
| Trichlorobenzene, 1,2,3- | 0.001 | 0.004 | -- | 7.0 | 828 | 0.0043 | B | | | 0.0028 | F | | | 0.0015 | F | 0. | M | | | | |
| Trichlorobenzene, 1,2,4- | 0.001 | 0.004 | -- | 7.0 | 828 | 0.0034 | F | | | 0.0023 | F | | | 0.0013 | F | 0. | M | | | | |
| SW8270 | | | | | | | | | | | | | | | | | | | | | |
| Dichlorobenzene, 1,4- | 0.03 | 0.7 | -- | 7.5 | 138 | | | | | | | | | | | | | | | | |
| Naphthalene | 0.04 | 0.7 | -- | 409 | 7720 | | | | | | | | | | | | | | | | |
| Trichlorobenzene, 1,2,4- | 0.04 | 0.7 | -- | 7.0 | 828 | | | | | | | | | | | | | | | | |

Results from all laboratory analysis are presented in Appendix B
 All samples were analyzed by APPL.
 Referenced laboratory package numbers: APPL: 39002

Abbreviations/Notes:

Bolded and highlighted sample exceed RRS1 standards
 Boxed samples indicate results greater than RRS2 standards. As per 30 TAC 335.555(D)(1), concentrations that do not exceed RRS1 levels, by definition, cannot exceed RRS2 levels. Although CSSA plans to pursue RRS1 closure, RRS2 criteria are included in the table to provide a frame of reference for RRS1 exceedances.

^a Background values from Second Revision to the Evaluation of Background Metals Concentration in Soils and Bedrock at CSSA Report (Parsons, 2002)

- No risk reduction standard or background level available
- So Soil Background; Texas-specific Background Concentrations
- GWP-Ind Soil MSC based on groundwater protection
- MDL Method Detection Limit
- N Environmental Sample
- RL Reporting Limit
- SAI-Ind Soil MSC for industrial use based on inhalation, ingestion, and dermal contact

Data Qualifiers:

- B - The analyte was detected in an associated blank as well as in the field sample.
- F - The analyte was positively identified but the associated numerical value is below the RL.
- J - The analyte was positively identified, the quantitation is an estimation.
- M - A matrix effect was present.
- R - The data are unusable due to deficiencies in the ability to analyze the sample and meet QC criteria.
- U - The analyte was analyzed for, but not detected. The associated numerical value is the MDL.

**Table 3-1
AOC-65 Removal Action
Confirmation Sampling Analytical Results**

| SAMPLE ID | Soil Comparison Criteria | | | | | CS-AOC65-SS-04 | | CS-AOC65-SS-05 | | CS-AOC65-SS-06 | | CS-AOC65-SS-06 | | CS-AOC65-SS-06 | | CS-AOC65-SS-07 | | CS-AOC65-SS-07 | | CS-AOC65-SS-10 | | |
|--------------------------|--------------------------|--------|------------------------------|-----------------|-----------------|----------------|----------|----------------|-------|----------------|-------|----------------|-------|----------------|----------|----------------|-------|----------------|-------|----------------|-------|--|
| | Lab MDL | Lab RL | Background ^a Soil | GWP-Ind (mg/kg) | SAI-Ind (mg/kg) | Results | Flags | Results | Flags | Results | Flags | Results | Flags | Results | Flags | Results | Flags | Results | Flags | Results | Flags | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| SW6010B | | | | | | | | | | | | | | | | | | | | | | |
| Barium | 0.04 | 1.0 | 186 | 200 | 59000 | | | 8.92 | J | 59.2 | J | | | 37.47 | J | | | | | 4.82 | J | |
| Chromium | 0.08 | 20 | 40.2 | 10 | 350000 | | | 3.3 | F | 30.4 | | | | 14.8 | F | | | | | 1.6 | F | |
| Copper | 0.04 | 2.0 | 23.2 | 130 | 74000 | | | 2.96 | | 11.53 | | | | 8.31 | | | | | | 2.4 | | |
| Nickel | 0.096 | 2.0 | 35.5 | 200 | 12000 | | | 3.6 | | 4.41 | | | | 6.56 | | | | | | 2.03 | | |
| Zinc | 0.3 | 2.0 | 73.2 | 3100 | 410000 | | | 5.79 | J | 86.55 | J | | | 28.08 | J | | | | | 2.81 | F | |
| SW7060A | | | | | | | | | | | | | | | | | | | | | | |
| Arsenic | 0.049 | 0.5 | 19.6 | 5 | 200 | | | 1.49 | | 2.16 | | | | 3. | | | | | | 1.65 | | |
| SW7131A | | | | | | | | | | | | | | | | | | | | | | |
| Cadmium | 0.0189 | 0.1 | 3 | 0.5 | 1500 | | | 0.07 | F | 0.51 | R | 0.45 | | 0.22 | | | | | | 0. | U | |
| SW7421 | | | | | | | | | | | | | | | | | | | | | | |
| Lead | 0.071 | 0.5 | 84.5 | 1.5 | 1000 | 393.09 | M | 4.4 | J | 51.01 | R | | | 98.39 | J | 22.6 | R | 24.55 | J | 0.88 | J | |
| SW7471A | | | | | | | | | | | | | | | | | | | | | | |
| Mercury | 0.02 | 0.1 | 0.77 | 0.2 | 9.6 | | | 0.02 | F | 0.04 | F | | | 0.02 | F | | | | | 0.02 | F | |
| SW8082 | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10.0 | 330.0 | -- | -- | -- | | | | | 0. | U | | | 0. | U | | | | | | | |
| Aroclor 1221 | 13.0 | 330.0 | -- | -- | -- | | | | | 0. | U | | | 0. | U | | | | | | | |
| Aroclor 1232 | 5.0 | 330.0 | -- | -- | -- | | | | | 0. | U | | | 0. | U | | | | | | | |
| Aroclor 1242 | 14.0 | 330.0 | -- | -- | -- | | | | | 0. | U | | | 0. | U | | | | | | | |
| Aroclor 1248 | 6.0 | 330.0 | -- | -- | -- | | | | | 0. | U | | | 0. | U | | | | | | | |
| Aroclor 1254 | 5.0 | 330.0 | -- | -- | -- | | | | | 0. | U | | | 0. | U | | | | | | | |
| Aroclor 1260 | 6.0 | 330.0 | -- | -- | -- | | | | | 0. | U | | | 0. | U | | | | | | | |
| SW8260 | | | | | | | | | | | | | | | | | | | | | | |
| Dichlorobenzene, 1,4- | 0.0008 | 0.002 | -- | 7.5 | 138 | | | 0. | U | | | | | 0. | U | | | | | 0. | U | |
| Methylene chloride | 0.0013 | 0.005 | -- | 0.5 | 13.8 | | | 0. | B | 0.0016 | F | | | 0. | B | | | | | 0. | B | |
| Naphthalene | 0.001 | 0.02 | -- | 409 | 7720 | | | 0.0035 | R | 0.0032 | R | | | 0.0031 | R | | | | | 0.0031 | R | |
| Trichlorobenzene, 1,2,3- | 0.001 | 0.004 | -- | 7.0 | 828 | | | 0. | U | 0. | U | | | 0. | U | | | | | 0. | U | |
| Trichlorobenzene, 1,2,4- | 0.001 | 0.004 | -- | 7.0 | 828 | | | 0. | U | 0. | U | | | 0. | U | | | | | 0. | U | |
| SW8270 | | | | | | | | | | | | | | | | | | | | | | |
| Dichlorobenzene, 1,4- | 0.03 | 0.7 | -- | 7.5 | 138 | | | 0. | U | | | | | | | | | | | | | |
| Naphthalene | 0.04 | 0.7 | -- | 409 | 7720 | | | 0. | U | | | | | | | | | | | | | |
| Trichlorobenzene, 1,2,4- | 0.04 | 0.7 | -- | 7.0 | 828 | | | 0. | U | | | | | | | | | | | | | |

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- a Background values from Second Revision to the Evaluation of Background Metals Concentration in Soils and Bedrock at CSSA Report (Parsons, 2002)
- No risk reduction standard or background level available
- So Soil Background; Texas-specific Background Concentrations
- GWP-Ind Soil MSC based on groundwater protection
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- F - The analyte was positively identified but the associated numerical value is below the RL.
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