# Table 2-2
# AOC 65 Previous Investigations
# Analyte Detection Summary, March and April 2001

| | | | | | Sample ID | AOC65-MW01 | | | | AOC65-MW01 | | | | AOC65-MW02AB | | | | AOC65-MW02AB | | | | AOC65-MW03 | | | | AOC65-MW03 | | | | AOC65-MW03 | | | | AOC65-MW04 | | | | AOC65-MW04 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Sample Date | 03/22/01 | | | | 03/22/01 | | | | 03/28/01 | | | | 03/28/01 | | | | 03/27/01 | | | | 03/27/01 | | | | 03/27/01 | | | | 03/23/01 | | | | 03/23/01 | | |
| | | | | | Sample Type | N1 | | | | N1 | | | | N1 | | | | N1 | | | | FD1 | | | | N1 | | | | N1 | | | | FD1 | | | | N1 | | |
| | | | | | Matrix | SO | | | | SO | | | | SO | | | | SO | | | | SO | | | | SO | | | | SO | | | | SO | | | | SO | | |
| | | | | | Beginning Depth | 6 | | | | 34.5 | | | | 0.5 | | | | 23 | | | | 0.5 | | | | 0.5 | | | | 24 | | | | 0.5 | | | | 0.5 | | |
| | | | | | Ending Depth | 6.5 | | | | 35. | | | | 1. | | | | 23.5 | | | | 1. | | | | 1. | | | | 24.5 | | | | 1. | | | | 1. | | |
| | | | | | Lab ID | AP14443 | | | | AP14444 | | | | AP14689 | | | | AP14690 | | | | AP14684 | | | | AP14683 | | | | AP14685 | | | | AP14450 | | | | AP14449 | | |
| | Soil Comparison Criteria | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Lab MDL | Lab RL | Background[a] Soil | GWP-Ind (mg/kg) | SAI-Ind (mg/kg) | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions |
| **SW6010B (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Barium | 0.08 | 1.0 | 186 | 200 | 59000 | 11.88 | | 1 | 1 | 3.37 | | 1 | 1 | 119.98 | J | 1 | 1 | 10.15 | J | 1 | 1 | 14.29 | J | 1 | 1 | 11.9 | J | 1 | 1 | 8.00 | J | 1 | 1 | 24.32 | | 1 | 1 | 25.05 | | 1 |
| Chromium | 0.1 | 20 | 40.2 | 10 | 350000 | 4.3 | F | 1 | 20 | 3.3 | F | 1 | 20 | 24.8 | | 1 | 20 | 8.9 | F | 1 | 20 | 7.8 | F | 1 | 20 | 5.9 | F | 1 | 20 | 7.2 | F | 1 | 20 | 8.1 | F | 1 | 20 | 9.5 | F | 1 |
| Copper | 0.19 | 2.0 | 23.2 | 130 | 74000 | 1.71 | F | 1 | 2 | 1.88 | F | 1 | 2 | 10.83 | | 1 | 2 | 5.53 | | 1 | 2 | 4.30 | J | 1 | 2 | 2.31 | J | 1 | 2 | 4.47 | J | 1 | 2 | 13.54 | J | 1 | 2 | 9.65 | J | 1 |
| Nickel | 0.12 | 2.0 | 35.5 | 200 | 12000 | 2.77 | | 1 | 2 | 4.66 | | 1 | 2 | 13.49 | | 1 | 2 | 6.69 | | 1 | 2 | 6.36 | J | 1 | 2 | 3.39 | J | 1 | 2 | 4.93 | J | 1 | 2 | 5.06 | J | 1 | 2 | 8.29 | J | 1 |
| Zinc | 0.63 | 5.0 | 73.2 | 3100 | 41000 | 4.77 | F | 1 | 5 | 7.08 | | 1 | 5 | 26.07 | | 1 | 5 | 7.74 | | 1 | 5 | 6.22 | | 1 | 5 | 4.46 | F | 1 | 5 | 5.14 | | 1 | 5 | 14.07 | | 1 | 5 | 14.89 | | 1 |
| **SW7060A (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arsenic | 0.04 | 0.5 | 19.6 | 5 | 200 | 0.59 | J | 1 | 0.5 | 0.48 | F | 1 | 0.5 | 5.13 | | 1 | 0.5 | 1.30 | | 1 | 0.5 | 3.77 | J | 1 | 0.5 | 0.67 | J | 1 | 0.5 | 1.06 | J | 1 | 0.5 | 1.74 | J | 1 | 0.5 | 2.06 | J | 1 |
| **SW7131A (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cadmium | 0.01 | 0.1 | 3 | 0.5 | 1500 | 0.04 | F | 1 | 0.1 | 0.08 | F | 1 | 0.1 | 0.20 | | 1 | 0.1 | 0.05 | F | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.15 | | 1 | 0.1 | 0.03 | F | 1 | 0.1 | 0.13 | J | 1 | 0.1 | 0.11 | J | 1 |
| **SW7421 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lead | 0.13 | 0.5 | 84.5 | 1.5 | 1000 | 1.94 | | 1 | 0.5 | 3.52 | | 1 | 0.5 | 15.63 | J | 4 | 2 | 4.68 | J | 1 | 0.5 | 8.54 | J | 5 | 2.5 | 2.61 | J | 1 | 0.5 | 4.16 | J | 1 | 0.5 | 12.60 | J | 4 | 2 | 77.00 | J | 100 |
| **SW7471A (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mercury | 0.01 | 0.1 | 0.77 | 0.2 | 9.6 | 0.01 | U | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.02 | F | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.01 | U | 1 |
| **SW8082 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1254 | 0.005 | 0.70 | -- | | | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 |
| **SW8260 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bromobenzene | 0.0003 | 0.002 | -- | 200 | 110 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 |
| Butylbenzene, N- | 0.0006 | 0.005 | -- | 410 | 5700 | 0.0006 | U | 1 | 0.005 | 0.0006 | U | 1 | 0.005 | 0.0006 | U | 1 | 0.005 | 0.0006 | U | 1 | 0.005 | 0.0006 | U | 1 | 0.005 | 0.0006 | U | 1 | 0.005 | 0.0006 | U | 1 | 0.005 | 0.0006 | U | 1 | 0.005 | 0.0006 | U | 1 |
| Dichloroethene, cis-1,2- | 0.0002 | 0.006 | -- | 7 | 2500 | 0.0002 | U | 1 | 0.006 | 0.0002 | U | 1 | 0.006 | 0.0002 | U | 1 | 0.006 | 0.0002 | U | 1 | 0.006 | 0.0002 | U | 1 | 0.006 | 0.0020 | F | 1 | 0.006 | 0.0002 | U | 1 | 0.006 | 0.0002 | U | 1 | 0.006 | 0.0002 | U | 1 |
| Dichloropropene, trans-1,3- | 0.0004 | 0.005 | -- | 2.9 | 40 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 |
| Isopropyltoluene, 4- (Cymene, p-) | 0.0004 | 0.008 | -- | 1000 | 6700 | 0.0005 | U | 1 | 0.008 | 0.0005 | U | 1 | 0.008 | 0.0005 | U | 1 | 0.008 | 0.0005 | U | 1 | 0.008 | 0.0005 | U | 1 | 0.008 | 0.0005 | U | 1 | 0.008 | 0.0005 | U | 1 | 0.008 | 0.0005 | U | 1 | 0.008 | 0.0005 | U | 1 |
| Methylene chloride | 0.0007 | 0.005 | -- | 0.5 | 16 | 0.0007 | U | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 | U | 1 |
| Naphthalene | 0.001 | 0.02 | -- | 200 | 270 | 0.001 | U | 1 | 0.020 | 0.001 | U | 1 | 0.020 | 0.001 | U | 1 | 0.020 | 0.001 | U | 1 | 0.020 | 0.001 | U | 1 | 0.020 | 0.001 | U | 1 | 0.020 | 0.001 | U | 1 | 0.020 | 0.001 | U | 1 | 0.020 | 0.001 | U | 1 |
| Tetrachloroethene | 0.0005 | 0.007 | -- | 0.5 | 17 | 0.0005 | U | 1 | 0.007 | 0.0005 | U | 1 | 0.007 | **0.0097** | | **1** | **0.007** | 0.0005 | U | 1 | 0.007 | 0.0005 | U | 1 | 0.007 | **0.0335** | | **1** | **0.007** | 0.0005 | U | 1 | 0.007 | 0.0005 | U | 1 | 0.007 | 0.0005 | U | 1 |
| Toluene | 0.0003 | 0.005 | -- | 100 | 2400 | 0.0003 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0013 | F | 1 | 0.005 | 0.0003 | U | 1 |
| Trichloroethene | 0.001 | 0.01 | -- | 0.5 | 6.6 | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 | 0.005 | F | 1 | 0.010 | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 |
| Trimethylbenzene, 1,2,4- | 0.0002 | 0.003 | -- | 510 | 140 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 |
| Trimethylbenzene, 1,3,5- | 0.0004 | 0.003 | -- | 310 | 31000 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 |
| **SW8270 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | 0.03 | 0.7 | -- | 0.6 | 65 | 0.04 | F | 1 | 0.7 | 0.04 | F | 1 | 0.7 | 0.10 | F | 1 | 0.7 | 0.03 | R | 1 | 0.7 | 0.06 | F | 1 | 0.7 | 0.03 | U | 1 | 0.7 | 0.26 | F | 1 | 0.7 | 0.03 | U | 1 | 0.7 | 0.03 | U | 1 |
| Naphthalene | 0.04 | 0.7 | -- | 200 | 270 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | R | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 |
| **TNRCC1005 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRO | 31.0 | 50 | -- | 410 | 2800 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 |
| **TNRCC1005 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GRO | 42.0 | 50 | -- | 310 | 210 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 |

Tables present all laboratory results for analytes detected above the method detection limit.
Results from all laboratory analysis are presented in Appendix B
All samples were analyzed by APPL Inc.
Referenced laboratory package numbers: APPL Inc.: 34924, 34939, 34995, 34996

**Abbreviations/Notes:**
Bolded and highlighted samples 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 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 sandard or background level available |
| DL | Dilution |
| FD1 | Field Duplicate |
| GWP-Ind | Soil MSC based on groundwater protection |
| MDL | Method Detection Limit |
| N1 | Environmental Sample |
| NA | Not Available |
| RL | Reporting Limit |
| SAI-Ind | Soil MSC for industrial use based on inhalation, ingestion, and dermal contact |
| SQL | Sample Quantitation Limit |

**Data Qualifiers:**
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 - Matrix effect present.
U - The analyte was analyzed for, but not detected. The associated numerical value is the MDL.
R- The data are unusable due to deficiencies in the ability to analyze the sample

# Table 2-2
# AOC 65 Previous Investigations
# Analyte Detection Summary, March and April 2001

| | | | | | Sample ID | | AOC65-MW04 | | | | AOC65-MW04 | | | | AOC65-SB03 | | | | AOC65-SB03 | | | | AOC65-SB04 | | | | AOC65-SB04 | | | | AOC65-SB05 | | | | AOC65-SB05 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Sample Date | | 03/26/01 | | | | 03/26/01 | | | | 03/28/01 | | | | 03/28/01 | | | | 03/22/01 | | | | 03/22/01 | | | | 03/23/01 | | | | 03/23/01 | | | | |
| | | | | | Sample Type | | N1 | | | | N1 | | | | N1 | | | | N1 | | | | N1 | | | | N1 | | | | N1 | | | | N1 | | | | |
| | | | | | Matrix | | SO | | | | SO | | | | SO | | | | SO | | | | SO | | | | SO | | | | SO | | | | SO | | | | |
| | | | | | Beginning Depth | | 7 | | | | 31 | | | | 1.5 | | | | 21 | | | | 9 | | | | 34 | | | | 4 | | | | 34.5 | | | | |
| | | | | | Ending Depth | | 7.5 | | | | 31.5 | | | | 2. | | | | 21.5 | | | | 10. | | | | 35. | | | | 4.5 | | | | 35. | | | | |
| | | | | | Lab ID | | AP14620 | | | | AP14621 | | | | AP14691 | | | | AP14692 | | | | AP14441 | | | | AP14442 | | | | AP14447 | | | | AP14448 | | | | |
| | Soil Comparison Criteria | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Lab MDL | Lab RL | Background[a] Soil | GWP-Ind (mg/kg) | SAI-Ind (mg/kg) | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results |
| **SW6010B (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Barium | 0.08 | 1.0 | 186 | 200 | 59000 | 1 | 13.76 | | 1 | 1 | 3.84 | | 1 | 1 | 116.26 | J | 1 | 1 | 11.33 | J | 1 | 1 | 5.90 | | 1 | 1 | 8.74 | | 1 | 1 | 7.34 | | 1 | 1 | 2.80 | | 1 | 1 | 7.17 |
| Chromium | 0.1 | 20 | 40.2 | 10 | 350000 | 20 | 9.6 | F | 1 | 20 | 3.3 | F | 1 | 20 | **73.1** | | **1** | **20** | 8.5 | F | 1 | 20 | 4.8 | F | 1 | 20 | 8.7 | F | 1 | 20 | 6.7 | F | 1 | 20 | 2.7 | F | 1 | 20 | 5.7 |
| Copper | 0.19 | 2.0 | 23.2 | 130 | 74000 | 2 | 7.15 | | 1 | 2 | 3.39 | | 1 | 2 | **190.73** | | **1** | **2** | 5.71 | | 1 | 2 | 2.25 | | 1 | 2 | 5.52 | | 1 | 2 | 3.58 | J | 1 | 2 | 1.71 | F | 1 | 2 | 2.98 |
| Nickel | 0.12 | 2.0 | 35.5 | 200 | 12000 | 2 | 9.64 | | 1 | 2 | 10.54 | | 1 | 2 | 12.64 | | 1 | 2 | 7.24 | | 1 | 2 | 2.98 | | 1 | 2 | 4.45 | | 1 | 2 | 5.23 | J | 1 | 2 | 8.29 | J | 1 | 2 | 4.24 |
| Zinc | 0.63 | 5.0 | 73.2 | 3100 | 41000 | 5 | 16.16 | | 1 | 5 | 7.17 | | 1 | 5 | **979.49** | | **5** | **25** | 6.98 | | 1 | 5 | 5.98 | | 1 | 5 | 8.44 | | 1 | 5 | 6.40 | | 1 | 5 | 3.17 | F | 1 | 5 | 6.41 |
| **SW7060A (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arsenic | 0.04 | 0.5 | 19.6 | 5 | 200 | 0.5 | 2.67 | | 1 | 0.5 | 2.69 | | 1 | 0.5 | 2.90 | | 1 | 0.5 | 1.79 | | 1 | 0.5 | 0.64 | J | 1 | 0.5 | 1.52 | J | 1 | 0.5 | 1.34 | J | 1 | 0.5 | 0.69 | J | 1 | 0.5 | 0.94 |
| **SW7131A (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cadmium | 0.01 | 0.1 | 3 | 0.5 | 1500 | 0.1 | 0.01 | J | 1 | 0.1 | 0.03 | J | 1 | 0.1 | **7.23** | | **20** | **2** | 0.04 | F | 1 | 0.1 | 0.04 | F | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.05 | F | 1 | 0.1 | 0.06 | F | 1 | 0.1 | 0.04 |
| **SW7421 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lead | 0.13 | 0.5 | 84.5 | 1.5 | 1000 | 50 | 4.61 | J | 1 | 0.5 | 7.82 | J | 4 | 2 | **1,259.95** | **J** | **1000** | **500** | 5.96 | J | 5 | 2.5 | 1.68 | | 1 | 0.5 | 4.61 | | 1 | 0.5 | 1.82 | | 1 | 0.5 | 1.94 | | 1 | 0.5 | 4.13 |
| **SW7471A (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mercury | 0.01 | 0.1 | 0.77 | 0.2 | 9.6 | 0.1 | | | | | | | | | 0.190 | | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.02 | F | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.01 |
| **SW8082 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1254 | 0.005 | 0.70 | -- | | | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | **2.941** | | **1** | **0.70** | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 |
| **SW8260 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bromobenzene | 0.0003 | 0.002 | -- | 200 | 110 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 |
| Butylbenzene, N- | 0.0006 | 0.005 | -- | 410 | 5700 | 0.005 | 0.0006 | U | 1 | 0.005 | 0.0006 | U | 1 | 0.005 | **0.0486** | | **1** | **0.005** | 0.0006 | U | 1 | 0.005 | 0.0006 | U | 1 | 0.005 | 0.0006 | U | 1 | 0.005 | 0.0006 | U | 1 | 0.005 | 0.0006 | U | 1 | 0.005 | 0.0006 |
| Dichloroethene, cis-1,2- | 0.0002 | 0.006 | -- | 7 | 2500 | 0.006 | 0.0002 | U | 1 | 0.006 | 0.0002 | U | 1 | 0.006 | **0.0204** | | **1** | **0.006** | 0.0002 | U | 1 | 0.006 | 0.0002 | U | 1 | 0.006 | 0.0002 | U | 1 | 0.006 | 0.0002 | U | 1 | 0.006 | 0.0002 | U | 1 | 0.006 | 0.0002 |
| Dichloropropene, trans-1,3- | 0.0004 | 0.005 | -- | 2.9 | 40 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 |
| Isopropyltoluene, 4- (Cymene, p-) | 0.0004 | 0.008 | -- | 1000 | 6700 | 0.008 | 0.0005 | U | 1 | 0.008 | 0.0005 | U | 1 | 0.008 | **0.0305** | | **1** | **0.008** | 0.0005 | U | 1 | 0.008 | 0.0005 | U | 1 | 0.008 | 0.0005 | U | 1 | 0.008 | 0.0005 | U | 1 | 0.008 | 0.0005 | U | 1 | 0.008 | 0.0005 |
| Methylene chloride | 0.0007 | 0.005 | -- | 0.5 | 16 | 0.005 | 0.0019 | F | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 |
| Naphthalene | 0.001 | 0.02 | -- | 200 | 270 | 0.020 | 0.001 | U | 1 | 0.020 | 0.001 | U | 1 | 0.020 | 0.006 | F | 1 | 0.020 | 0.001 | U | 1 | 0.020 | 0.001 | U | 1 | 0.020 | 0.001 | U | 1 | 0.020 | 0.001 | U | 1 | 0.020 | 0.001 | U | 1 | 0.020 | 0.001 |
| Tetrachloroethene | 0.0005 | 0.007 | -- | 0.5 | 17 | 0.007 | 0.0005 | U | 1 | 0.007 | 0.0005 | U | 1 | 0.007 | **124.4340** | | **400** | **2.800** | 0.0005 | U | 1 | 0.007 | 0.0005 | U | 1 | 0.007 | 0.0005 | U | 1 | 0.007 | 0.0005 | U | 1 | 0.007 | 0.0005 | U | 1 | 0.007 | 0.0005 |
| Toluene | 0.0003 | 0.005 | -- | 100 | 2400 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 |
| Trichloroethene | 0.001 | 0.01 | -- | 0.5 | 6.6 | 0.010 | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 | **0.939** | | **20** | **0.200** | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 | 0.001 |
| Trimethylbenzene, 1,2,4- | 0.0002 | 0.003 | -- | 510 | 140 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | **0.0848** | | **1** | **0.003** | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 |
| Trimethylbenzene, 1,3,5- | 0.0004 | 0.003 | -- | 310 | 31000 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | **0.0373** | | **1** | **0.003** | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 |
| **SW8270 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | 0.03 | 0.7 | -- | 0.6 | 65 | 0.7 | 0.04 | F | 1 | 0.7 | 0.07 | F | 1 | 0.7 | 1.50 | U | 50 | 35 | 0.14 | F | 1 | 0.7 | 0.04 | F | 1 | 0.7 | 0.03 | U | 1 | 0.7 | 0.23 | F | 1 | 0.7 | 0.04 | F | 1 | 0.7 | 0.04 |
| Naphthalene | 0.04 | 0.7 | -- | 200 | 270 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 |
| **TNRCC1005 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRO | 31.0 | 50 | -- | 410 | 2800 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | **2,863.1** | | **10** | **500** | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 |
| **TNRCC1005 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GRO | 42.0 | 50 | -- | 310 | 210 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | **177.6** | | **1** | **50** | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 |

Tables present all laboratory results for analytes detected above the method detection limit.
Results from all laboratory analysis are presented in Appendix B
All samples were analyzed by APPL Inc.
Referenced laboratory package numbers: APPL Inc.: 34924, 34939, 34995, 34996

**Abbreviations/Notes:**
Bolded and highlighted samples 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 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 sandard or background level available |
| DL | Dilution |
| FD1 | Field Duplicate |
| GWP-Ind | Soil MSC based on groundwater protection |
| MDL | Method Detection Limit |
| N1 | Environmental Sample |
| NA | Not Available |
| RL | Reporting Limit |
| SAI-Ind | Soil MSC for industrial use based on inhalation, ingestion, and dermal contact |
| SQL | Sample Quantitation Limit |

**Data Qualifiers:**
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 - Matrix effect present.
U - The analyte was analyzed for, but not detected. The associated numerical value is the MDL.
R- The data are unusable due to deficiencies in the ability to analyze the sample

# Table 2-2
# AOC 65 Previous Investigations
# Analyte Detection Summary, March and April 2001

| | | | | | Sample ID | AOC65-SB07 | | | AOC65-SB07 | | | | AOC65-SB08A | | | | AOC65-SB08A | | | | AOC65-SB09 | | | | AOC65-SB09 | | | | AOC65-SB10 | | | | AOC65-SB10 | | | | AOC65-SB11 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Sample Date | 03/22/01 | | | 03/22/01 | | | | 03/24/01 | | | | 03/24/01 | | | | 03/24/01 | | | | 03/24/01 | | | | 03/24/01 | | | | 03/24/01 | | | | 03/27/01 | | |
| | | | | | Sample Type | N1 | | | N1 | | | | N1 | | | | N1 | | | | N1 | | | | N1 | | | | N1 | | | | N1 | | | | N1 | | |
| | | | | | Matrix | SO | | | SO | | | | SO | | | | SO | | | | SO | | | | SO | | | | SO | | | | SO | | | | SO | | |
| | | | | | Beginning Depth | 10.5 | | | 34.5 | | | | 0.5 | | | | 3 | | | | 3 | | | | 4.5 | | | | 0.5 | | | | 3.5 | | | | 1.5 | | |
| | | | | | Ending Depth | 11. | | | 35. | | | | 1.5 | | | | 3.5 | | | | 3.5 | | | | 5. | | | | 1. | | | | 4. | | | | 2. | | |
| | | | | | Lab ID | AP14445 | | | AP14446 | | | | AP14617 | | | | AP14618 | | | | AP14613 | | | | AP14614 | | | | AP14615 | | | | AP14616 | | | | AP14686 | | |
| | Soil Comparison Criteria | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Lab MDL | Lab RL | Background[a] Soil | GWP-Ind (mg/kg) | SAI-Ind (mg/kg) | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions |
| **SW6010B (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Barium | 0.08 | 1.0 | 186 | 200 | 59000 | | 1 | 1 | 8.73 | | 1 | 1 | 14.78 | | 1 | 1 | 48.3 | | 1 | 1 | 22.89 | | 1 | 1 | 21.47 | | 1 | 1 | 12.39 | | 1 | 1 | 94.78 | | 1 | 1 | 31.44 | J | 1 |
| Chromium | 0.1 | 20 | 40.2 | 10 | 350000 | F | 1 | 20 | 6.9 | F | 1 | 20 | 3.6 | F | 1 | 20 | 11.7 | F | 1 | 20 | 8.6 | F | 1 | 20 | 22.2 | | 1 | 20 | 3.9 | F | 1 | 20 | 21.7 | | 1 | 20 | 7.2 | F | 1 |
| Copper | 0.19 | 2.0 | 23.2 | 130 | 74000 | | 1 | 2 | 8.39 | | 1 | 2 | 3.50 | | 1 | 2 | 6.88 | | 1 | 2 | 4.80 | | 1 | 2 | 7.21 | | 1 | 2 | 4.15 | | 1 | 2 | 9.76 | | 1 | 2 | 4.55 | J | 1 |
| Nickel | 0.12 | 2.0 | 35.5 | 200 | 12000 | | 1 | 2 | 12.10 | | 1 | 2 | 3.63 | | 1 | 2 | 7.58 | | 1 | 2 | 5.62 | | 1 | 2 | 5.81 | | 1 | 2 | 4.14 | | 1 | 2 | 13.23 | | 1 | 2 | 5.33 | J | 1 |
| Zinc | 0.63 | 5.0 | 73.2 | 3100 | 41000 | | 1 | 5 | 8.00 | | 1 | 5 | 5.38 | | 1 | 5 | 16.73 | | 1 | 5 | 10.44 | | 1 | 5 | 7.48 | | 1 | 5 | 5.82 | | 1 | 5 | 23.85 | | 1 | 5 | 8.85 | | 1 |
| **SW7060A (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arsenic | 0.04 | 0.5 | 19.6 | 5 | 200 | J | 1 | 0.5 | 1.38 | J | 1 | 0.5 | 1.85 | | 1 | 0.5 | 4.93 | | 2 | 1 | 3.10 | | 1 | 0.5 | 0.88 | | 1 | 0.5 | 1.42 | | 1 | 0.5 | 6.00 | | 5 | 2.5 | 3.18 | J | 1 |
| **SW7131A (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cadmium | 0.01 | 0.1 | 3 | 0.5 | 1500 | F | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.08 | J | 1 | 0.1 | 0.16 | M | 1 | 0.1 | 0.08 | M | 1 | 0.1 | 0.13 | M | 1 | 0.1 | 0.09 | J | 1 | 0.1 | 0.17 | M | 1 | 0.1 | 0.10 | | 1 |
| **SW7421 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lead | 0.13 | 0.5 | 84.5 | 1.5 | 1000 | | 1 | 0.5 | 3.01 | | 1 | 0.5 | 8.06 | J | 4 | 2 | 12.40 | M | 10 | 5 | 4.95 | M | 1 | 0.5 | 3.75 | M | 1 | 0.5 | 4.77 | J | 1 | 0.5 | 15.89 | M | 4 | 2 | 7.45 | J | 2 |
| **SW7471A (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mercury | 0.01 | 0.1 | 0.77 | 0.2 | 9.6 | U | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.01 | U | 1 |
| **SW8082 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1254 | 0.005 | 0.70 | -- | | | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 |
| **SW8260 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bromobenzene | 0.0003 | 0.002 | -- | 200 | 110 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | M | 1 | 0.002 | 0.0003 | M | 1 | 0.002 | 0.0003 | M | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | M | 1 | 0.002 | 0.0011 | F | 1 |
| Butylbenzene, N- | 0.0006 | 0.005 | -- | 410 | 5700 | U | 1 | 0.005 | 0.0006 | U | 1 | 0.005 | 0.0006 | U | 1 | 0.005 | 0.0006 | M | 1 | 0.005 | 0.0006 | M | 1 | 0.005 | 0.0006 | M | 1 | 0.005 | 0.0006 | U | 1 | 0.005 | 0.0006 | M | 1 | 0.005 | 0.0006 | U | 1 |
| Dichloroethene, cis-1,2- | 0.0002 | 0.006 | -- | 7 | 2500 | U | 1 | 0.006 | 0.0002 | U | 1 | 0.006 | 0.0002 | U | 1 | 0.006 | 0.0002 | M | 1 | 0.006 | 0.0002 | M | 1 | 0.006 | 0.0002 | M | 1 | 0.006 | 0.0002 | U | 1 | 0.006 | 0.0002 | M | 1 | 0.006 | 0.0002 | U | 1 |
| Dichloropropene, trans-1,3- | 0.0004 | 0.005 | -- | 2.9 | 40 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0024 | F | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 |
| Isopropyltoluene, 4- (Cymene, p-) | 0.0004 | 0.008 | -- | 1000 | 6700 | U | 1 | 0.008 | 0.0005 | U | 1 | 0.008 | 0.0005 | U | 1 | 0.008 | 0.0005 | M | 1 | 0.008 | 0.0005 | M | 1 | 0.008 | 0.0005 | M | 1 | 0.008 | 0.0005 | U | 1 | 0.008 | 0.0005 | M | 1 | 0.008 | 0.0005 | U | 1 |
| Methylene chloride | 0.0007 | 0.005 | -- | 0.5 | 16 | U | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 | M | 1 | 0.005 | 0.0007 | M | 1 | 0.005 | 0.0007 | M | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 | M | 1 | 0.005 | 0.0007 | U | 1 |
| Naphthalene | 0.001 | 0.02 | -- | 200 | 270 | U | 1 | 0.020 | 0.001 | U | 1 | 0.020 | 0.001 | U | 1 | 0.020 | 0.001 | M | 1 | 0.020 | 0.002 | M | 1 | 0.020 | 0.001 | M | 1 | 0.020 | 0.001 | U | 1 | 0.020 | 0.002 | M | 1 | 0.020 | 0.001 | U | 1 |
| Tetrachloroethene | 0.0005 | 0.007 | -- | 0.5 | 17 | U | 1 | 0.007 | 0.0005 | U | 1 | 0.007 | 0.0054 | F | 1 | 0.007 | **0.0800** | | **1** | **0.007** | **0.7938** | | **5** | **0.035** | **0.0393** | | **1** | **0.007** | 0.0025 | F | 1 | 0.007 | **0.6367** | | **5** | **0.035** | **1.4910** | | **5** |
| Toluene | 0.0003 | 0.005 | -- | 100 | 2400 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 | M | 1 | 0.005 | 0.0003 | M | 1 | 0.005 | 0.0003 | M | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0019 | M | 1 | 0.005 | 0.0003 | U | 1 |
| Trichloroethene | 0.001 | 0.01 | -- | 0.5 | 6.6 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 | **0.011** | | **1** |
| Trimethylbenzene, 1,2,4- | 0.0002 | 0.003 | -- | 510 | 140 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | M | 1 | 0.003 | 0.0004 | M | 1 | 0.003 | 0.0004 | M | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | M | 1 | 0.003 | 0.0004 | U | 1 |
| Trimethylbenzene, 1,3,5- | 0.0004 | 0.003 | -- | 310 | 31000 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | M | 1 | 0.003 | 0.0004 | M | 1 | 0.003 | 0.0004 | M | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | M | 1 | 0.003 | 0.0004 | U | 1 |
| **SW8270 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | 0.03 | 0.7 | -- | 0.6 | 65 | F | 1 | 0.7 | 0.09 | F | 1 | 0.7 | 0.03 | U | 1 | 0.7 | 0.12 | F | 1 | 0.7 | 0.03 | U | 1 | 0.7 | 0.11 | F | 1 | 0.7 | 0.05 | F | 1 | 0.7 | 0.05 | F | 1 | 0.7 | 0.10 | F | 1 |
| Naphthalene | 0.04 | 0.7 | -- | 200 | 270 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 |
| **TNRCC1005 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRO | 31.0 | 50 | -- | 410 | 2800 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 |
| **TNRCC1005 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GRO | 42.0 | 50 | -- | 310 | 210 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 |

Tables present all laboratory results for analytes detected above the method detection limit.
Results from all laboratory analysis are presented in Appendix B
All samples were analyzed by APPL Inc.
Referenced laboratory package numbers: APPL Inc.: 34924, 34939, 34995, 34996

**Abbreviations/Notes:**
Bolded and highlighted samples 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 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 sandard or background level available |
| DL | Dilution |
| FD1 | Field Duplicate |
| GWP-Ind | Soil MSC based on groundwater protection |
| MDL | Method Detection Limit |
| N1 | Environmental Sample |
| NA | Not Available |
| RL | Reporting Limit |
| SAI-Ind | Soil MSC for industrial use based on inhalation, ingestion, and dermal contact |
| SQL | Sample Quantitation Limit |

**Data Qualifiers:**
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 - Matrix effect present.
U - The analyte was analyzed for, but not detected. The associated numerical value is the MDL.
R- The data are unusable due to deficiencies in the ability to analyze the sample

# Table 2-2
# AOC 65 Previous Investigations
# Analyte Detection Summary, March and April 2001

| | | | | | Sample ID | | AOC65-SB11 | | | | AOC65-SB13 | | | | AOC65-SB13 | | | | AOC65-SB06 | | | | AOC65-SB06 | | | | AOC65-SB06 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Sample Date | | 03/27/01 | | | | 03/26/01 | | | | 03/26/01 | | | | 04/03/01 | | | | 04/03/01 | | | | 04/03/01 | | | |
| | | | | | Sample Type | | N1 | | | | N1 | | | | N1 | | | | N1 | | | | N1 | | | | FD1 | | | |
| | | | | | Matrix | | SO | | | | SO | | | | SO | | | | SO | | | | SO | | | | SO | | | |
| | | | | | Beginning Depth | | 8 | | | | 0.5 | | | | 23.5 | | | | 2 | | | | 9 | | | | 9 | | | |
| | | | | | Ending Depth | | 8.5 | | | | 1. | | | | 24. | | | | 3. | | | | 10. | | | | 10. | | | |
| | | | | | Lab ID | | AP14687 | | | | AP14622 | | | | AP14623 | | | | AP14885 | | | | AP14886 | | | | AP14887 | | | |
| | Soil Comparison Criteria | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Lab MDL | Lab RL | Background[a] Soil | GWP-Ind (mg/kg) | SAI-Ind (mg/kg) | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL | Results | Flags | Dilutions | SQL |
| **SW6010B (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Barium | 0.08 | 1.0 | 186 | 200 | 59000 | 1 | 4.43 | J | 1 | 1 | 26.85 | | 1 | 1 | 10.19 | | 1 | 1 | 20.29 | J | 1 | 1 | 8.07 | J | 1 | 1 | 5.96 | J | 1 | 1 |
| Chromium | 0.1 | 20 | 40.2 | 10 | 350000 | 20 | 3.2 | F | 1 | 20 | 10.7 | F | 1 | 20 | 10.3 | F | 1 | 20 | 5.9 | F | 1 | 20 | 6. | F | 1 | 20 | 4.4 | F | 1 | 20 |
| Copper | 0.19 | 2.0 | 23.2 | 130 | 74000 | 2 | 2.37 | | 1 | 2 | 9.15 | | 1 | 2 | 5.59 | | 1 | 2 | 3.62 | J | 1 | 2 | 3.73 | J | 1 | 2 | 2.79 | J | 1 | 2 |
| Nickel | 0.12 | 2.0 | 35.5 | 200 | 12000 | 2 | 2.91 | | 1 | 2 | 6.88 | | 1 | 2 | 5.14 | | 1 | 2 | 4.33 | | 1 | 2 | 3.70 | | 1 | 2 | 3.06 | | 1 | 2 |
| Zinc | 0.63 | 5.0 | 73.2 | 3100 | 41000 | 5 | 14.56 | | 1 | 5 | 32.15 | | 1 | 5 | 10.38 | | 1 | 5 | 9.30 | | 1 | 5 | 5.62 | | 1 | 5 | 6.15 | | 1 | 5 |
| **SW7060A (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arsenic | 0.04 | 0.5 | 19.6 | 5 | 200 | 0.5 | 0.74 | | 1 | 0.5 | 2.70 | | 1 | 0.5 | 1.80 | | 1 | 0.5 | 0.92 | | 1 | 0.5 | 0.11 | F | 1 | 0.5 | 0.89 | | 1 | 0.5 |
| **SW7131A (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cadmium | 0.01 | 0.1 | 3 | 0.5 | 1500 | 0.1 | 0.09 | F | 1 | 0.1 | 0.16 | J | 1 | 0.1 | 0.05 | J | 1 | 0.1 | 0.15 | J | 1 | 0.1 | 0.07 | F | 1 | 0.1 | 0.04 | F | 1 | 0.1 |
| **SW7421 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lead | 0.13 | 0.5 | 84.5 | 1.5 | 1000 | 1 | 1.93 | J | 1 | 0.5 | **121.58** | **J** | **200** | **100** | 7.96 | J | 4 | 2 | 4.95 | | 1 | 0.5 | 3.00 | | 1 | 0.5 | 2.47 | | 1 | 0.5 |
| **SW7471A (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mercury | 0.01 | 0.1 | 0.77 | 0.2 | 9.6 | 0.1 | 0.01 | U | 1 | 0.1 | | | | | | | | | 0.03 | F | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.01 | U | 1 | 0.1 |
| **SW8082 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1254 | 0.005 | 0.70 | -- | | | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 | 0.005 | U | 1 | 0.70 |
| **SW8260 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bromobenzene | 0.0003 | 0.002 | -- | 200 | 110 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 |
| Butylbenzene, N- | 0.0006 | 0.005 | -- | 410 | 5700 | 0.005 | 0.0006 | U | 1 | 0.005 | 0.0006 | U | 1 | 0.005 | 0.0006 | U | 1 | 0.005 | 0.0006 | U | 1 | 0.005 | 0.0006 | U | 1 | 0.005 | 0.0006 | U | 1 | 0.005 |
| Dichloroethene, cis-1,2- | 0.0002 | 0.006 | -- | 7 | 2500 | 0.006 | 0.0002 | U | 1 | 0.006 | 0.0002 | U | 1 | 0.006 | 0.0002 | U | 1 | 0.006 | 0.0002 | U | 1 | 0.006 | 0.0002 | U | 1 | 0.006 | 0.0002 | U | 1 | 0.006 |
| Dichloropropene, trans-1,3- | 0.0004 | 0.005 | -- | 2.9 | 40 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 |
| Isopropyltoluene, 4- (Cymene, p-) | 0.0004 | 0.008 | -- | 1000 | 6700 | 0.008 | 0.0005 | U | 1 | 0.008 | 0.0005 | U | 1 | 0.008 | 0.0005 | U | 1 | 0.008 | 0.0005 | U | 1 | 0.008 | 0.0005 | U | 1 | 0.008 | 0.0005 | U | 1 | 0.008 |
| Methylene chloride | 0.0007 | 0.005 | -- | 0.5 | 16 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0007 | U | 1 | 0.005 |
| Naphthalene | 0.001 | 0.02 | -- | 200 | 270 | 0.020 | 0.001 | U | 1 | 0.020 | 0.001 | U | 1 | 0.020 | 0.001 | U | 1 | 0.020 | 0.001 | U | 1 | 0.020 | 0.001 | U | 1 | 0.020 | 0.001 | U | 1 | 0.020 |
| Tetrachloroethene | 0.0005 | 0.007 | -- | 0.5 | 17 | **0.035** | **0.0499** | | **1** | **0.007** | 0.0005 | U | 1 | 0.007 | 0.0005 | U | 1 | 0.007 | 0.0005 | U | 1 | 0.007 | 0.0011 | F | 1 | 0.007 | 0.0005 | U | 1 | 0.007 |
| Toluene | 0.0003 | 0.005 | -- | 100 | 2400 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 |
| Trichloroethene | 0.001 | 0.01 | -- | 0.5 | 6.6 | **0.010** | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 | 0.001 | U | 1 | 0.010 |
| Trimethylbenzene, 1,2,4- | 0.0002 | 0.003 | -- | 510 | 140 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 |
| Trimethylbenzene, 1,3,5- | 0.0004 | 0.003 | -- | 310 | 31000 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 |
| **SW8270 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | 0.03 | 0.7 | -- | 0.6 | 65 | 0.7 | 0.12 | F | 1 | 0.7 | 0.08 | F | 1 | 0.7 | 0.10 | F | 1 | 0.7 | 0.15 | F | 1 | 0.7 | 0.25 | F | 1 | 0.7 | 0.09 | F | 1 | 0.7 |
| Naphthalene | 0.04 | 0.7 | -- | 200 | 270 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 | 0.04 | U | 1 | 0.7 |
| **TNRCC1005 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRO | 31.0 | 50 | -- | 410 | 2800 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 | 31.0 | U | 1 | 50 |
| **TNRCC1005 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GRO | 42.0 | 50 | -- | 310 | 210 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 | 42.0 | U | 1 | 50 |

Tables present all laboratory results for analytes detected above the method detection limit.
Results from all laboratory analysis are presented in Appendix B
All samples were analyzed by APPL Inc.
Referenced laboratory package numbers: APPL Inc.: 34924, 34939, 34995, 34996

**Abbreviations/Notes:**
Bolded and highlighted samples 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 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 sandard or background level available |
| DL | Dilution |
| FD1 | Field Duplicate |
| GWP-Ind | Soil MSC based on groundwater protection |
| MDL | Method Detection Limit |
| N1 | Environmental Sample |
| NA | Not Available |
| RL | Reporting Limit |
| SAI-Ind | Soil MSC for industrial use based on inhalation, ingestion, and dermal contact |
| SQL | Sample Quantitation Limit |

**Data Qualifiers:**
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 - Matrix effect present.
U - The analyte was analyzed for, but not detected. The associated numerical value is the MDL.
R- The data are unusable due to deficiencies in the ability to analyze the sample