FIELD DATA
SPREADSHEET TABLES

This digital appendix contains four Excel spreadsheet tables with results of chemical and isotopic analysis of field samples collected during this study.

LOCATION - SPREADSHEET 1

This spreadsheet contains location and other information on wells and sites sampled for chemistry and isotope analysis during this investigation. Important column headings are:

- **SITE ID**: Field sample number
- **SEO NUMBER**: State Engineer Office well number
- **TWN**: Township (see Figure 2.2 of report)
- **RNG**: Range (see Figure 2.2 of report)
- **SEC**: Section (see Figure 2.2 of report)
- **QTR**: Quarter Section (see Figure 2.2 of report)
- **LONG**: Degrees Longitude
- **LAT**: Degrees Latitude
- **ELEV**: Elevation of site surface (ft above sea mean level)
- **DEPTH**: Well depth (ft)
- **PROD INT**: Producing or screened interval (ft)
- **TEMP**: Field temperature °F and °C
- **pH**: Field pH
- **HCO₃**: Field Alkalinity as bicarbonate (mg/L)
- **TDS**: Laboratory Total Dissolved Solids (mg/L)
- **COND**: Field conductivity microsiemens (µS)

MAJOR - SPREADSHEET 2

This spreadsheet contains major cation and anion analyses (mg/L) along with supplemental information for wells and sites sampled for chemistry and isotope analysis during this Mesilla Basin salinity investigation. Important column headings are:

- **SITE ID**: Field sample number
- **TDS**: Laboratory Total Dissolved Solids (mg/L)
- **TDS ion Σ**: Summation of cations and anion (mg/L)
- **COND**: Field conductivity microsiemens (µS)

**Na, K, Ca, Mg, Li, Rb, Sr, HCO₃, SO₄, Cl, F, Br, B, Fe, NO₃, SiO₂**
TRACE - SPREADSHEET 3

This spreadsheet contains trace metal and minor element analyses as µg/L for wells and sites sampled for chemistry and isotope analysis during this investigation. The minus symbol in tabulated results indicates that a minor or trace metal was below the specified absolute value shown or detection limit of analysis.

Ag, Al, As, Au, Ba, Be, Bi, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Lu, Mn, Mo, Nb, Nd, Ni, Os, Pb, Pd, Pr, Pt, Re, Ru, Sb, Sc, Se, Sm, Sn, Ta, Tb, Te, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr

ISOTOPES - SPREADSHEET 4

This spreadsheet contains isotopic analyses as µg/L for wells and sites sampled for chemistry and isotope analysis during this investigation. Nomenclature used to report isotopic analytical results is detailed in Appendix 2A (Isotope Nomenclature and Analytical Labs). Important column headings are:

δ^{13}C, δD, δ^{18}O, δ^{34}S, ^{87}Sr/^{86}Sr, ^{88}Sr/^{86}Sr, ^{234}U, ^{235}U, ^{238}U, ^{234}U/^{238}U