

**EXPLANATION**

- Qrc** Quaternary Active River Channel Deposits
- Qal** Quaternary Alluvium
- Approximate area in which volatile organic compound concentrations have been detected above EPA Maximum Contaminant Levels or ADHS guidelines.
- Well in which VOCs have been detected above MCLs or ADHS action levels
- VOCs detected below MCLs or ADHS Action Levels
- Wells sampled for VOCs but none detected
- Wells for which there are no VOC data
- 1983 Line of Equal Ground Water Elevation
- Approximate Well Location, used for Hydrographs

**SOURCES:**

Arizona Department of Environmental Quality, Misc. Files, Records, and Reports, Received March 1988.

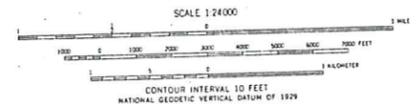
Arizona Department of Water Resources, 1988, Basic Data Section Drilling Logs, Received March 1988.

Arizona Department of Water Resources, 1966, Maps Showing Groundwater Conditions in the West Salt River, Lake Pleasant, Carefree and Fountain Hills Sub-basins of the Phoenix Active Management Area, Maricopa, Pinal, and Yavapai Counties, Arizona - 1963, Hydrologic Map Series Report Number 12.

Salt River Project, 1988, Driller Logs and Water Quality Data for SRP Wells, Received March 1988.

Roosevelt Irrigation District, 1988, Driller Logs and Water Quality Data for Roosevelt Irrigation Wells, Received March 1988.

U.S. Geological Survey, 1988, Data and Drilling Chip Logs from U.S. Geological Survey Files, Received March 1988.

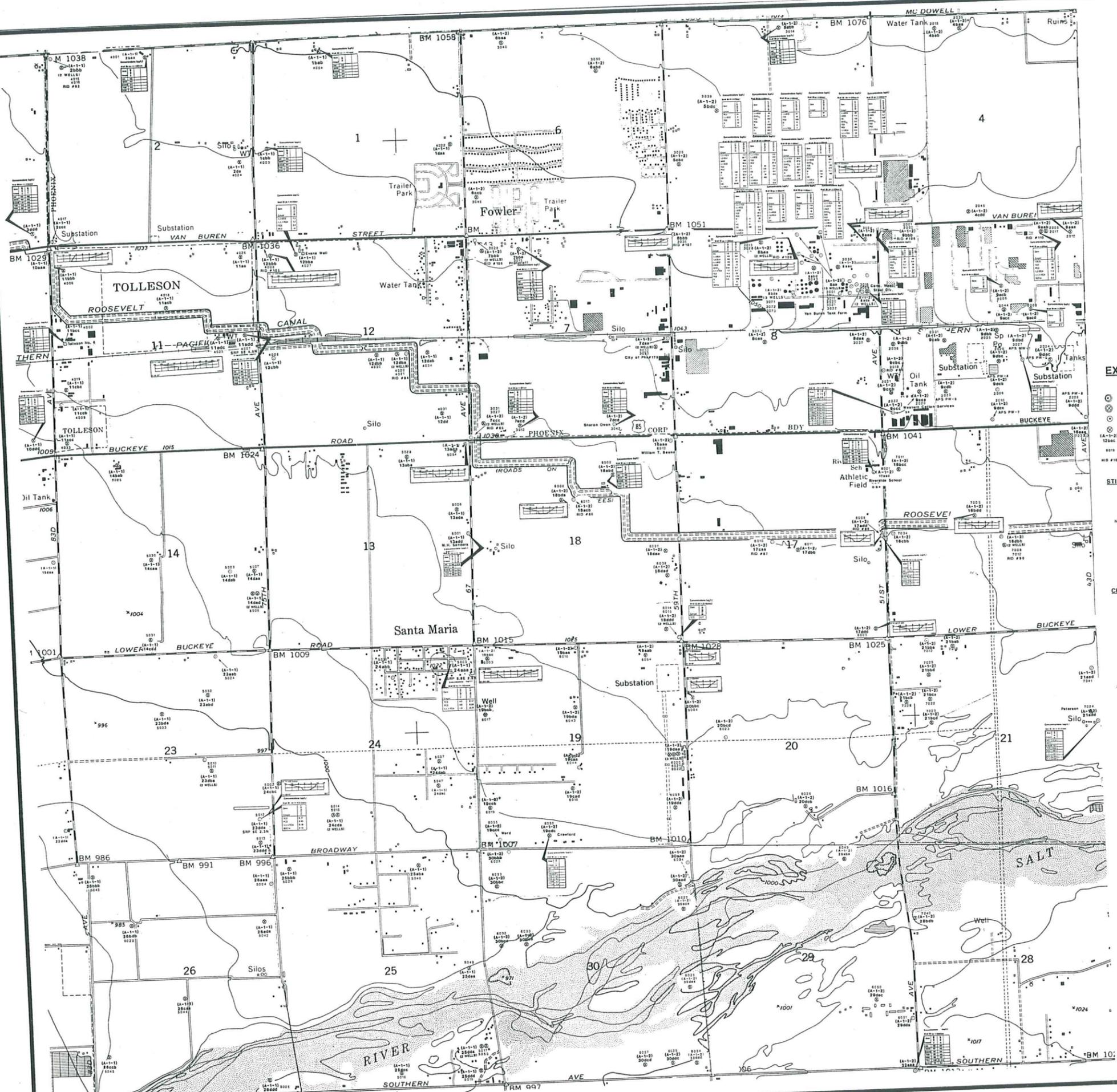


ADEO Task Assignment K-2  
West Van Buren Area, Phoenix, Arizona

**REGIONAL GEOLOGY AND HYDROLOGY**

**KLEINFELDER**  
Project Number: 52-1815-01 July 1989

PLATE  
**1**

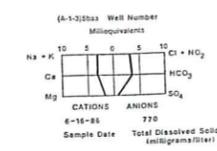


Approximate Scale 1"=800'

**EXPLANATION**

- Verified Municipal Use Well Locations
- Approximate Location of Municipal Use Well (center of 10-acre area)
- Field Verified Well Location (by Malcolm Pirnie, Inc.)
- Approximate Well Location (center of 10-acre area)
- Arizona Department of Water Resources Well Location Number
- Enviro Database Well Number
- Common Name or Owner Well Designation

**STIFF DIAGRAM**



**CHEMICAL ANALYSIS**

Concentrations (µg/l)  
Well ID(A-1-2)186cc

Date	Sample	Well ID
6-18-86	770	A-1-2

**ABBREVIATIONS**

- B B-2-Pb
- BDCM bromochloromethane
- CCl<sub>4</sub> carbon tetrachloride
- CB chlorobenzene
- CHCl<sub>3</sub> chloroform
- CM chloromethane
- DCEM dichloroethane
- DCEFM dichlorofluoromethane
- 1,2-DCB 1,2-dichlorobenzene
- 1,4-DCB 1,4-dichlorobenzene
- 1,1-DCA 1,1-dichloroethane
- 1,2-DCA 1,2-dichloroethane
- 1,1-DCE 1,1-dichloroethane
- 1,2-DCE 1,2-dichloroethane
- 1,2-DCEP 1,2-dichloropropane
- DP dieldrin
- EB ethylbenzene
- HC hydrocarbons
- ND not detected
- MC methylene chloride
- 1,1,2-TCE 1,1,2-trichloroethane
- PCE perchloroethane
- T 1,1,1-TCA 1,1,1-trichloroethane
- TCE trichloroethane
- TCFM tetrachloroethane
- WCl wyl chloride
- X xylene

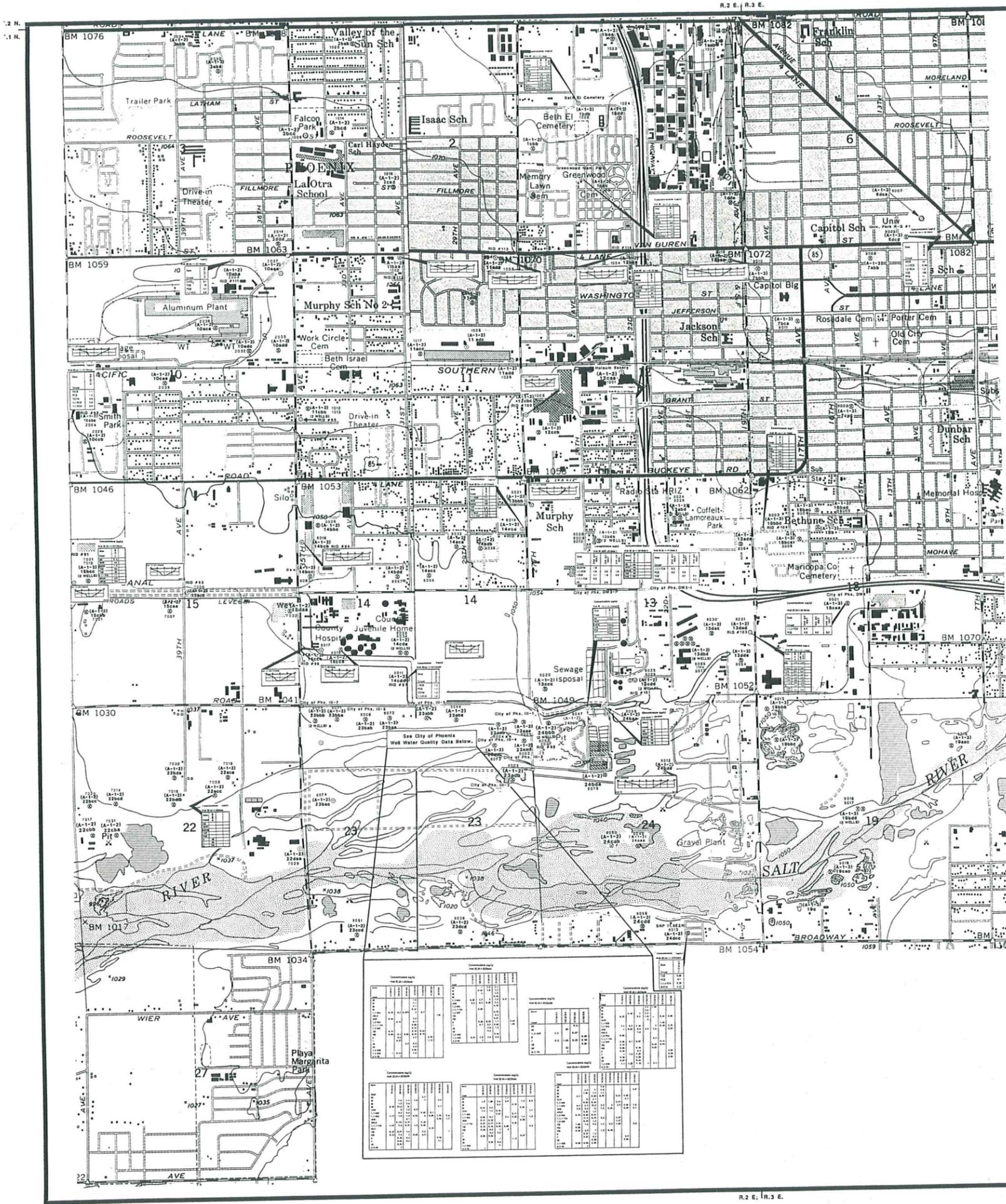
**SOURCES:**

- Arizo a Department of Environmental Quality, Preliminary Data and Reports, Received February 1988.
- Arizona Department of Environmental Quality, Department of Health Services State Laboratory Results, Received February 1988.
- Arizona Department of Water Resources, Ground Water Survey Inventory, received February 1988, Well Data.
- Arizona Department of Water Resources, Well Registry, received February 1988, Well Data.
- Arizona Department of Health Services Site Inspection Reports.
- Arizona Department of Environmental Quality, Remedial Investigation Report, March 1987.
- Dames and Moore, City of Phoenix Historical Database for 15th Avenue and 27th Avenue Landfills, February 1989.
- Roosevelt Irrigation District, 1988, Ditchers Logs and Water Quality Data from Roosevelt Irrigation Wells, Received March 1988.
- Roosevelt Irrigation District, 1988, Master Well List and Map of Well Locations, Received January 1989.

ADEQ Task Assignment K-3  
West Van Buren Area, Phoenix, Arizona

**WELL LOCATIONS AND WATER QUALITY - WESTERN HALF OF STUDY AREA**

**KLEINFELDER**  
PLATE 2a  
July 1989

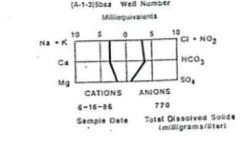


Approximate Scale 1"=800'

**EXPLANATION**

- ⊙ Verified Municipal Use Well Locations
- ⊙ Approximate Location of Municipal Use Well (center of 10-acre area)
- ⊙ Field Verified Well Location (by Malcolm Pirnie, Inc.)
- ⊙ Approximate Well Location (center of 10-acre area)
- 1A-1-21 12846 Arizona Department of Water Resources Well Location Number
- 1019 Envis Database Well Number
- 10112 Common Name or Owner Well Designation

**STIFF DIAGRAM**



**CHEMICAL ANALYSIS**

Concentrations (ug/l)  
Well ID: 1A-1-21522a

Date	1	2	3
NO2	ND	ND	ND
NO3	ND	ND	ND
CHL3	ND	ND	ND
TCF	ND	ND	ND
PCE	ND	ND	ND
1,1,1-TCA	ND	ND	ND

**ABBREVIATIONS**

- B 8-2-Pb
- BOCM bromochloromethane
- CCl4 carbon tetrachloride
- CB chlorobenzene
- CE chloroethane
- CHCl3 chloroform
- CM chloromethane
- DCM dichloromethane
- DDCFM dichlorodifluoromethane
- 1,2-DCB 1,2-dichlorobenzene
- 1,4-DCB 1,4-dichlorobenzene
- 1,1-DCA 1,1-dichloroethane
- 1,2-DCA 1,2-dichloroethane
- 1,1-DCE 1,1-dichloroethene
- 1,2-DCE trans-1,2-dichloroethene
- 1,2-DCP 1,2-dichloropropane
- CP cis-butene
- EB ethylbenzene
- HC hydrocarbons
- HC not detected
- MC methyl acetate
- PCE 1,1,2,2-tetrachloroethane
- PCE tetrachloroethene
- 1,1,1-TCA 1,1,1-trichloroethane
- TCE trichloroethane
- TCFM trichlorofluoromethane
- VC vinyl chloride
- X xylenes

**SOURCES:**

- Arizona Department of Environmental Quality, Preliminary Data and Reports, Received February 1988.
- Arizona Department of Environmental Quality, Department of Health Services State Laboratory Results, Received February 1989.
- Arizona Department of Water Resources, Ground Water Survey Inventory, received February 1988, Well Data.
- Arizona Department of Water Resources, Well Registry, received February 1988, Well Data.
- Arizona Department of Health Services Site Inspection Reports.
- Arizona Department of Environmental Quality, Remedial Investigation Reports, March 1987.
- Dames and Moore, City of Phoenix Historical Database for 190 Avenue and 27th Avenue Landfills, February 1989.
- Roosevelt Irrigation District, 1988, Drillers Logs and Water Quality Data from Roosevelt Irrigation Wells, Received March 1988.
- Roosevelt Irrigation District, 1988, Master Well List and Map of Well Locations, Received January 1989.

See City of Phoenix Well Water Quality Data Below.

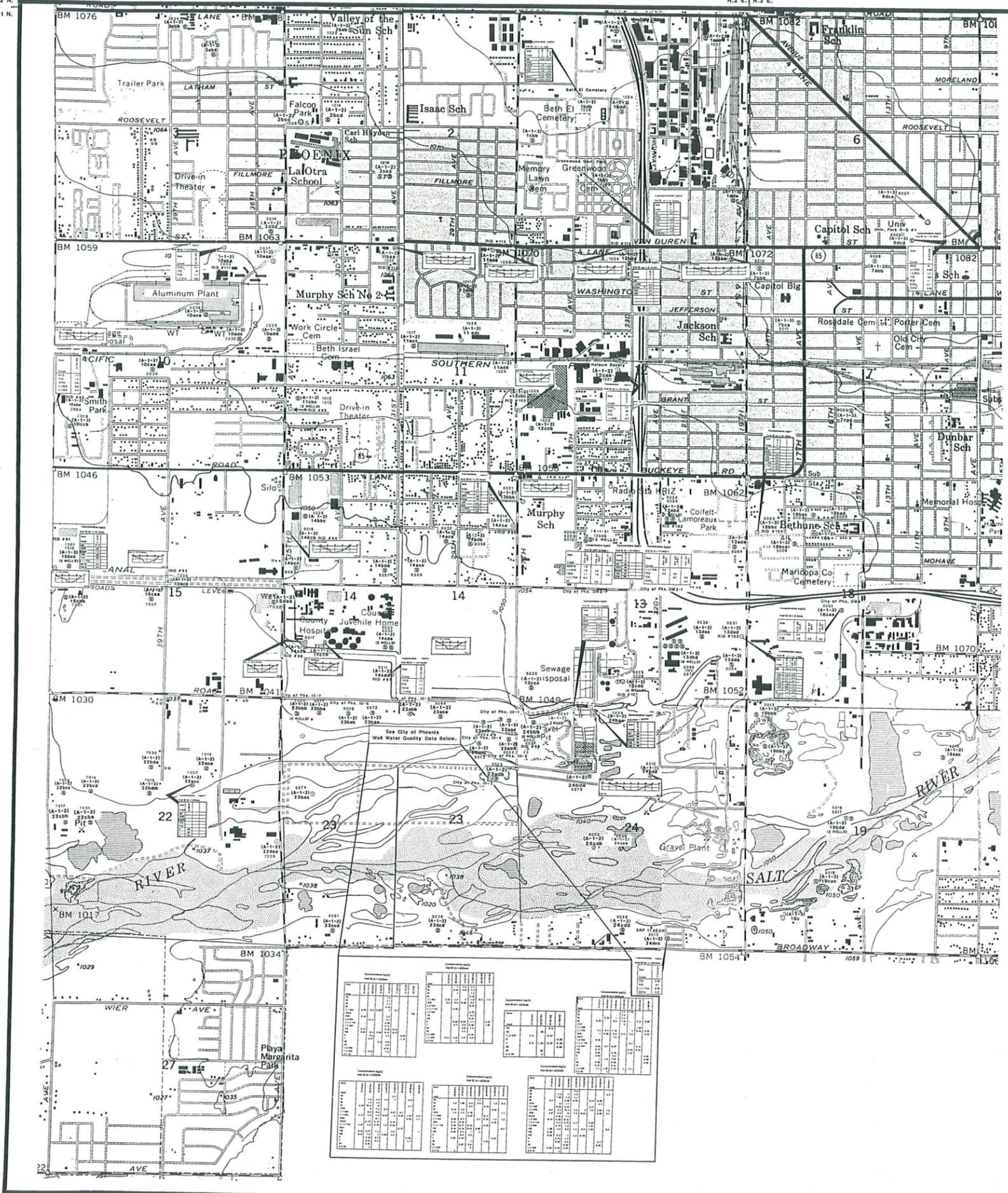
Well ID	Sample Date	NO2	NO3	CHL3	TCF	PCE	1,1,1-TCA	TCE	TCFM	VC	X
1A-1-21 12846	6-15-86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1019	6-15-86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10112	6-15-86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ADEQ Task Assignment K-2  
West Van Buren Area, Phoenix, Arizona

**WELL LOCATIONS AND WATER QUALITY - EASTERN HALF OF STUDY AREA**

KLEINFELDER  
Well Number 21-1012-01 July 1989

PLATE 2b

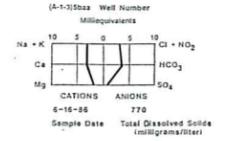


Approximate Scale 1"=800'

**EXPLANATION**

- ⊙ Verified Municipal Use Well Locations
- ⊗ Approximate Location of Municipal Use Well (center of 10-acre area)
- ⊙ Field Verified Well Location (by Malcolm Pirnie, Inc.)
- ⊙ Approximate Well Location (center of 10-acre area)
- (A-1-2) 12846 Arizona Department of Water Resources Well Location Number
- 1218 Envis Database Well Number
- 1212 Common Name or Owner Well Designation

**STIFF DIAGRAM**



**CHEMICAL ANALYSIS**

Concentrations (ug/l)  
Well ID: A-1-2150cc

Date	1	2
MC	0.3	
DCB	1.3	
TCE	ND	
PCE	ND	
1,1,1-TCA	1.7	

**ABBREVIATIONS**

- B benzene
- B-2-Pb bis(2-ethylhexyl)phthalate
- BDCM bromodichloromethane
- CCl<sub>4</sub> carbon tetrachloride
- Cl<sub>2</sub> chloroform
- CE chloroethane
- CH<sub>2</sub>Cl<sub>2</sub> dichloromethane
- CM chloroform
- DCM dichloromethane
- DCMFCM dibromochloromethane
- DCDFM dichlorodifluoromethane
- 1,2-DCB 1,2-dichlorobenzene
- 1,4-DCB 1,4-dichlorobenzene
- 1,1-DCA 1,1-dichloroethane
- 1,2-DCA 1,2-dichloroethane
- 1,1-DCE 1,1-dichloroethene
- 1,1-DCE 1,1-dichloroethene
- 1,2-DCE 1,2-dichloroethene
- 1,2-DCEP 1,2-dichloropropane
- DP diethyl phthalate
- EB ethylbenzene
- HC hydrocarbons
- ND not detected
- MC methyl ethyl chloride
- PCE 1,1,2-trichloroethane
- PCE tetrachloroethane
- T toluene
- 1,1,1-TCA 1,1,1-trichloroethane
- TCE trichloroethane
- TDFM trichlorofluoromethane
- VC vinyl chloride
- X xylenes

**SOURCES:**

- Arizona Department of Environmental Quality, Preliminary Data and Reports, Received February 1989.
- Arizona Department of Environmental Quality, Department of Health Services State Laboratory Results, Received February 1989.
- Arizona Department of Water Resources, Ground Water Survey Inventory, received February 1988, Well Data.
- Arizona Department of Water Resources, Well Registry, received February 1988, Well Data.
- Arizona Department of Health Services Site Inspection Reports.
- Arizona Department of Environmental Quality, Remedial Investigation Reports, March 1987.
- Dames and Moore, City of Phoenix Historical Database for 19th Avenue and 27th Avenue Landfills, February 1989.
- Roosevelt Irrigation District, 1988, Drivers Logs and Water Quality Data from Roosevelt Irrigation Wells, Received March 1989.
- Roosevelt Irrigation District, 1988, Master Well List and Map of Well Locations, Received January 1989.

Well ID	Date	MC	DCB	TCE	PCE	1,1,1-TCA
A-1-2150cc	6-10-88	0.3	1.3	ND	ND	1.7
A-1-2150cc	7/70	0.3	1.3	ND	ND	1.7

ADEO Task Assignment K-2  
West Van Buren Area, Phoenix, Arizona

**WELL LOCATIONS AND WATER QUALITY - EASTERN HALF OF STUDY AREA**

KLEINFELDER  
Map Number 92-1913-11 July 1989

PLATE  
**2b**