

**Table RD-1a. Trace Element Concentrations in Aerosols determined by
Atomic Absorption Spectrometry and Inductively Coupled Plasma Mass Spectrometry
Ag through Ce
(July, 2000- March, 2001)**

See CEMRC 2000 Report, "Particulate concentrations and inorganics in near-surface air"
for descriptions of locations and methods of data collection.

Date	Station	Type	Analyte					
			Ag	Al	As	Ba	Be	Ce
07/11/2000	Cactus Flats	LTSP	<MDL ^c	5.15E+02	<MDL	5.33E+00	<MDL	9.83E
07/20/2000	Cactus Flats	LTSP	<MDL	8.54E+02	<MDL	9.01E+00	<MDL	1.19E
07/30/2000	Cactus Flats	LTSP	<MDL	3.86E+02	<MDL	4.10E+00	<MDL	3.54E
08/09/2000	Cactus Flats	LTSP	<MDL	2.99E+02	<MDL	1.03E+00	<MDL	3.12E
08/19/2000	Cactus Flats	LTSP	<MDL	3.27E+02	<MDL	2.41E+00	<MDL	3.43E
09/06/2000	Cactus Flats	LTSP	<MDL	4.34E+02	<MDL	4.39E+00	<MDL	6.08E
09/16/2000	Cactus Flats	LTSP	<MDL	3.01E+02	<MDL	5.14E+00	<MDL	5.57E
07/11/2000	Near Field	LTSP	<MDL	3.37E+02	<MDL	3.72E+00	<MDL	6.78E
07/20/2000	Near Field	LTSP	<MDL	5.78E+02	<MDL	7.00E+00	<MDL	7.73E
07/30/2000	Near Field	LTSP	<MDL	3.31E+02	<MDL	3.79E+00	<MDL	4.01E
08/09/2000	Near Field	LTSP	<MDL	2.40E+02	<MDL	<MDL	<MDL	2.40E
08/19/2000	Near Field	LTSP	<MDL	4.19E+02	<MDL	3.94E+00	<MDL	7.53E
09/06/2000	Near Field	LTSP	<MDL	3.65E+02	<MDL	4.99E+00	<MDL	1.03E
09/16/2000	Near Field	LTSP	<MDL	2.82E+02	<MDL	4.81E+00	<MDL	6.24E
07/11/2000	On Site	LTSP	<MDL	1.72E+02	<MDL	5.09E+00	<MDL	4.65E
07/20/2000	On Site	LTSP	<MDL	9.96E+02	<MDL	1.19E+01	<MDL	2.09E
07/20/2000	On Site	LTSP	<MDL	4.26E+02	<MDL	4.78E+00	<MDL	7.29E
07/30/2000	On Site	LTSP	<MDL	2.86E+02	<MDL	3.92E+00	<MDL	5.33E
08/09/2000	On Site	LTSP	<MDL	3.65E+02	<MDL	3.72E+00	<MDL	1.10E
08/19/2000	On Site	LTSP	<MDL	5.77E+02	<MDL	7.08E+00	<MDL	1.38E
09/06/2000	On Site	LTSP	<MDL	5.07E+02	<MDL	8.49E+00	<MDL	1.69E
09/16/2000	On Site	LTSP	<MDL	4.04E+02	<MDL	7.98E+00	<MDL	1.26E
09/16/2000	On Site	LTSP	<MDL	2.88E+02	<MDL	5.10E+00	1.14E-01	7.48E
10/4/2000	Cactus Flats	LTSP	<MDL	3.18E+02	<MDL	5.50E+00	<MDL	8.35E
10/14/2000	Cactus Flats	LTSP	<MDL	1.08E+02	<MDL	2.13E+00	<MDL	1.94E
10/14/2000	Cactus Flats	LTSP	<MDL	1.41E+02	<MDL	2.34E+00	<MDL	1.99E
11/1/2000	Cactus Flats	LTSP	<MDL	9.16E+01	<MDL	1.40E+00	<MDL	2.15E
11/11/2000	Cactus Flats	LTSP	<MDL	4.62E+01	<MDL	7.04E-01	<MDL	<MI
11/29/2000	Cactus Flats	LTSP	3.30E-02	1.52E+02	<MDL	3.32E+00	<MDL	3.20E
11/29/2000	Cactus Flats	LTSP	<MDL	1.20E+02	<MDL	3.04E+00	<MDL	2.53E
12/9/2000	Cactus Flats	LTSP	2.70E-02	1.91E+02	<MDL	3.08E+00	<MDL	3.18E

Date	Station	Type	Analyte					
			Ag	Al	As	Ba	Be	Cd
10/4/2000	Near Field	LTSP	<MDL	3.74E+02	<MDL	5.17E+00	<MDL	9.72E
10/14/2000	Near Field	LTSP	<MDL	1.13E+02	<MDL	1.80E+00	<MDL	1.69E
11/1/2000	Near Field	LTSP	<MDL	7.53E+01	<MDL	1.07E+00	<MDL	1.20E
11/11/2000	Near Field	LTSP	<MDL	4.83E+01	<MDL	9.13E-01	<MDL	<MDL
11/11/2000	Near Field	LTSP	<MDL	5.50E+01	<MDL	1.31E+00	<MDL	<MDL
11/29/2000	Near Field	LTSP	<MDL	1.94E+02	<MDL	4.30E+00	<MDL	4.63E
12/9/2000	Near Field	LTSP	3.15E-02	1.93E+02	<MDL	2.99E+00	<MDL	3.18E
10/4/2000	On Site	LTSP	<MDL	5.39E+02	<MDL	1.04E+01	<MDL	2.66E
10/14/2000	On Site	LTSP	<MDL	2.04E+02	<MDL	2.88E+00	<MDL	4.85E
11/1/2000	On Site	LTSP	<MDL	1.00E+02	<MDL	1.81E+00	<MDL	3.52E
11/11/2000	On Site	LTSP	<MDL	9.20E+01	<MDL	1.69E+00	<MDL	2.09E
11/29/2000	On Site	LTSP	2.90E-02	1.29E+02	<MDL	3.23E+00	<MDL	4.12E
12/9/2000	On Site	LTSP	3.06E-02	2.76E+02	<MDL	4.47E+00	<MDL	5.56E
1/6/2001	Cactus Flats	LTSP	2.13E-02	1.84E+02	<MDL	3.07E+00	<MDL	2.91E
1/24/2001	Cactus Flats	LTSP	3.96E-02	1.71E+01	<MDL	8.46E-01	<MDL	9.86E
2/3/2001	Cactus Flats	LTSP	1.41E-02	6.35E+01	<MDL	8.51E-01	<MDL	7.48E
2/21/2001	Cactus Flats	LTSP	2.10E-02	3.86E+02	<MDL	4.02E+00	<MDL	5.51E
3/3/2001	Cactus Flats	LTSP	1.24E-02	9.66E+01	<MDL	1.61E+00	<MDL	6.64E
3/21/2001	Cactus Flats	LTSP	<MDL	2.25E+02	<MDL	1.74E+00	<MDL	1.48E
3/21/2001	Cactus Flats	LTSP	<MDL	1.79E+02	<MDL	2.63E+00	<MDL	1.99E
3/31/2001	Cactus Flats	LTSP	1.43E-02	1.93E+02	<MDL	2.33E+00	<MDL	1.69E
4/18/2001	Cactus Flats	LTSP	1.76E-02	8.04E+02	<MDL	8.08E+00	<MDL	6.48E
4/28/2001	Cactus Flats	LTSP	1.99E-02	5.23E+02	<MDL	6.49E+00	<MDL	5.28E
1/6/2001	Near Field	LTSP	3.04E-02	1.01E+02	<MDL	8.81E-01	<MDL	1.42E
1/24/2001	Near Field	LTSP	2.61E-02	1.56E+01	<MDL	1.17E+00	<MDL	7.83E
2/5/2001	Near Field	LTSP	1.00E-02	1.83E+02	<MDL	1.76E+00	<MDL	2.45E
2/21/2001	Near Field	LTSP	<MDL	4.32E+02	<MDL	1.84E+00	<MDL	2.01E
3/3/2001	Near Field	LTSP	<MDL	5.97E+01	<MDL	1.75E+00	<MDL	6.24E
3/21/2001	Near Field	LTSP	<MDL	1.64E+02	<MDL	1.07E+00	<MDL	2.74E
3/31/2001	Near Field	LTSP	1.22E-02	1.51E+02	<MDL	1.53E+00	<MDL	2.36E
4/18/2001	Near Field	LTSP	2.14E-02	1.54E+03	<MDL	1.50E+01	<MDL	1.10E
1/6/2001	On Site	LTSP	1.90E-02	1.26E+02	<MDL	2.52E+00	<MDL	2.75E
1/24/2001	On Site	LTSP	3.01E-02	5.57E+01	<MDL	2.08E+00	<MDL	2.76E
2/5/2001	On Site	LTSP	1.27E-02	2.91E+02	<MDL	4.66E+00	<MDL	8.30E
2/21/2001	On Site	LTSP	2.35E-02	4.92E+02	<MDL	4.02E+00	<MDL	8.53E
2/21/2001	On Site	LTSP	<MDL	3.29E+02	<MDL	2.79E+00	<MDL	4.86E
3/3/2001	On Site	LTSP	1.25E-02	7.81E+01	<MDL	1.56E+00	<MDL	6.77E
3/21/2001	On Site	LTSP	<MDL	8.97E+01	<MDL	9.38E-01	<MDL	7.10E

Date	Station	Type ^b	Analyte ^a					
			Ag	Al	As	Ba	Be	Cd
3/31/2001	On Site	LTSP	4.41E-02	2.16E+02	<MDL	2.40E+00	<MDL	3.75E
4/18/2001	On Site	LTSP	2.74E-02	1.53E+03	<MDL	2.87E+01	<MDL	1.20E
4/28/2001	On Site	LTSP	5.24E-02	6.58E+02	<MDL	9.99E+00	<MDL	6.95E

^aAll concentrations are expressed in nanograms (10⁻⁹ grams) per cubic meter

^b LTSP = low volume sampler, total suspended particulate; LPM10 - low volume sampler, particulate matter <10um aerodynamic diameter; particulate matter <2.5 um aerodynamic diameter

^cMDL = minimum detectable limit

^dNA = not available