

**Table RD-2. Major Ion Concentrations in Aerosols
Determined by Ion Chromatography
(July 2000 - December 2000)**

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 (mg m ⁻³) ^a					
			Nitrate	Sulfate	Na	K	Mg	Ca
7/4/00	Cactus Flats	LTSP	8.44E-01	2.93E+00	3.57E-01	6.73E-02	7.00E-02	5.88E-01
7/13/00	Cactus Flats	LTSP	6.93E-01	2.28E+00	1.21E-01	2.31E-02	3.22E-02	7.65E-01
7/13/00	Cactus Flats	LTSP	7.49E-01	2.58E+00	1.97E-01	2.75E-02	3.34E-02	7.30E-01
7/23/00	Cactus Flats	LTSP	8.69E-01	2.05E+00	1.75E-01	5.37E-02	5.16E-02	1.23E+00
8/1/00	Cactus Flats	LTSP	4.87E-01	3.80E+00	<MDL	1.02E-02	3.07E-02	6.26E-01
8/12/00	Cactus Flats	LTSP	8.75E-01	1.68E+00	3.56E-01	2.67E-02	4.70E-02	5.78E-01
8/12/00	Cactus Flats	LTSP	1.10E+00	2.40E+00	4.46E-01	3.55E-02	5.61E-02	6.17E-01
8/16/00	Cactus Flats	LTSP	6.76E-01	3.43E+00	2.74E-01	3.75E-02	3.87E-02	5.69E-01
9/9/00	Cactus Flats	LTSP	3.70E-01	4.96E+00	7.72E-02	6.22E-02	7.42E-02	9.33E-01
9/9/00	Cactus Flats	LTSP	3.44E-01	4.45E+00	6.63E-02	5.37E-02	6.82E-02	8.22E-01
9/13/00	Cactus Flats	LTSP	6.07E-01	1.78E+00	1.42E-01	1.65E-01	9.43E-02	1.20E+00
7/4/00	Near Field	LTSP	9.15E-01	3.10E+00	4.09E-01	9.93E-02	7.16E-02	5.22E-01
7/13/00	Near Field	LTSP	6.66E-01	2.37E+00	1.26E-01	5.44E-02	4.29E-02	5.75E-01
7/23/00	Near Field	LTSP	7.76E-01	2.03E+00	1.60E-01	4.54E-02	4.58E-02	1.11E+00
8/1/00	Near Field	LTSP	4.80E-01	3.81E+00	2.55E-02	1.00E-02	4.80E-02	8.37E-01
8/12/00	Near Field	LTSP	1.14E+00	2.41E+00	5.13E-01	3.82E-02	6.47E-02	8.35E-01
8/16/00	Near Field	LTSP	6.55E-01	2.70E+00	2.81E-01	4.15E-02	4.49E-02	7.15E-01
9/9/00	Near Field	LTSP	3.70E-01	4.73E+00	1.01E-01	1.25E-01	1.04E-01	1.07E+00
9/13/00	Near Field	LTSP	7.25E-01	1.91E+00	1.40E-01	3.16E-01	1.04E-01	1.15E+00
7/4/00	On Site	LTSP	1.09E+00	3.57E+00	5.41E-01	1.37E-01	1.00E-01	7.63E-01
7/13/00	On Site	LTSP	7.75E-01	2.76E+00	2.31E-01	6.32E-02	7.36E-02	9.31E-01
7/23/00	On Site	LTSP	8.24E-01	1.98E+00	1.63E-01	4.60E-02	7.36E-02	1.60E+00
8/1/00	On Site	LTSP	5.58E-01	3.83E+00	<MDL	1.20E-02	6.74E-02	1.45E+00
8/12/00	On Site	LTSP	1.22E+00	2.38E+00	5.31E-01	4.20E-02	9.94E-02	2.07E+00
8/16/00	On Site	LTSP	8.20E-01	2.75E+00	3.88E-01	5.00E-02	1.40E-01	2.70E+00
9/9/00	On Site	LTSP	5.93E-01	5.00E+00	1.18E-01	1.36E-01	1.36E-01	1.99E+00
9/13/00	On Site	LTSP	7.28E-01	1.80E+00	2.22E-01	4.27E-01	1.67E-01	1.60E+00
10/7/00	Cactus Flats	LTSP	5.18E-01	2.00E+00	2.91E-02	2.36E-02	5.34E-02	3.50E-01
10/11/00	Cactus Flats	LTSP	1.45E-01	1.77E+00	1.08E-02	<MDL	5.30E-02	2.44E-01
11/4/00	Cactus Flats	LTSP	7.14E-02	1.13E+00	3.11E-02	<MDL	3.88E-02	8.88E-02

			Analyte (mg m ⁻³) ^a					
Date	Station	^b Type	Nitrate	Sulfate	Na	K	Mg	Ca
11/4/00	Cactus Flats	LTSP	6.60E-02	9.74E-01	2.45E-02	<MDL	3.96E-02	7.56E-02
11/8/00	Cactus Flats	LTSP	9.20E-02	5.28E-01	<MDL	4.83E-03	4.98E-02	6.51E-02
12/2/00	Cactus Flats	LTSP	1.66E+00	1.54E+00	1.74E-02	3.30E-02	5.41E-02	4.47E-01
12/6/00	Cactus Flats	LTSP	9.75E-01	1.52E+00	2.42E-02	5.39E-02	7.18E-02	2.25E-01
10/7/00	Near Field	LTSP	1.07E+00	2.10E+00	3.48E-02	4.18E-02	5.98E-02	4.03E-01
10/11/00	Near Field	LTSP	2.46E-01	1.77E+00	<MDL	<MDL	5.22E-02	3.03E-01
11/4/00	Near Field	LTSP	1.68E-01	1.09E+00	4.17E-02	2.92E-02	4.72E-02	1.05E-01
11/8/00	Near Field	LTSP	1.01E-01	6.94E-01	<MDL	3.61E-02	4.85E-02	5.54E-02
12/2/00	Near Field	LTSP	1.76E+00	1.62E+00	4.58E-02	1.10E-01	6.25E-02	4.16E-01
12/6/00	Near Field	LTSP	6.22E-01	1.29E+00	3.15E-02	1.39E-01	7.60E-02	2.62E-01
12/6/00	Near Field	LTSP	7.01E-01	1.41E+00	4.32E-02	1.44E-01	7.78E-02	<MDL
10/7/00	On Site	LTSP	1.64E+00	2.16E+00	4.60E-02	6.56E-02	1.43E-01	1.19E+00
10/7/00	On Site	LTSP	1.84E+00	2.20E+00	5.61E-02	6.41E-02	1.67E-01	1.39E+00
10/11/00	On Site	LTSP	3.20E-01	1.69E+00	3.14E-02	<MDL	1.41E-01	8.42E-01
11/4/00	On Site	LTSP	1.62E-01	1.14E+00	4.34E-02	3.20E-02	5.40E-02	1.33E-01
11/8/00	On Site	LTSP	2.02E-01	8.11E-01	<MDL	6.41E-02	7.28E-02	9.17E-02
12/2/00	On Site	LTSP	2.02E+00	1.77E+00	5.10E-02	1.31E-01	1.27E-01	1.14E+00
12/6/00	On Site	LTSP	9.56E-01	1.40E+00	4.49E-02	1.21E-01	1.01E-01	3.46E-01

^a All concentrations are expressed in micrograms (10⁻⁶ grams) per cubic meter

^b LTSP = low volume sampler, total suspended particulate; LPM10=low volume sampler, particulate matter <10µm aerodynamic diameter; LPM2.5=low volume sampler, total suspended particulate matter <2.5µm aerodynamic diameter.

^c MDL = minimum detectable limit