

# **APPENDIX B**

**Major Ion Chemistry for Selected Shallow Wells in  
Las Vegas Valley, Nevada**

	TDS	Ca <sup>2+</sup>	Mg <sup>2+</sup>	Na <sup>+</sup>	K <sup>+</sup>	HCO <sub>3</sub> <sup>-</sup>	Cl <sup>-</sup>	SO <sub>4</sub> <sup>2-</sup>	B	NO <sub>3</sub> -N	Source
SITE											
C25	4940*	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	Wild, 1990
C27	6340	456	610	405	41.0	275	249	3890	3.50	2.88	LVVWD database
C28	4930	464	274	610	31.0	308	733	2360	2.00	2.56	LVVWD database
C29	5530	518	390	460	52.9	205	500	3050	3.30	4.02	LVVWD database
C32	4650	420	380	317	19.6	176	248	2780	5.00	7.93	LVVWD database
C33	3770*	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	Bashor, 1994
C36	4750*	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	Bashor, 1994
C42	4380	513	265	335	34.5	254	351	2390	3.00	8.40	LVVWD database
C43	3550*	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	Bashor, 1994
C49	3120	314	202	286	22.0	258	270	1640	1.70	6.72	LVVWD database
DROSE	3750	338	250	336	35.3	270	286	2030	1.56	1.78	LVVWD database
DROSE10G	7240	437	553	756	154	306	646	3960	3.11	13.6	LVVWD database
DROSE11G	4500	424	251	421	138	314	360	2380	1.58	7.21	LVVWD database
DROSE13T	4280	364	299	364	92.3	262	308	2410	1.43	7.04	LVVWD database
DROSEPS	5380	371	428	512	58.3	256	466	2900	1.77	17.6	LVVWD database
JGP	756	100	70	55	17.0	410	252	120	0.28	2.00	Brothers & Katzer, 1988
LGO48	4580	324	400	379	61.7	274	421	2540	1.30	0.81	Wild, 1990

	TDS	Ca <sup>2+</sup>	Mg <sup>2+</sup>	Na <sup>+</sup>	K <sup>+</sup>	HCO <sub>3</sub> <sup>-</sup>	Cl <sup>-</sup>	SO <sub>4</sub> <sup>2-</sup>	B	NO <sub>3</sub> -N	Source
MDB3	548	132	0.3	33.7	8.7	n.a.	40	214	n.a.	0.01	Wild, 1990
MDB5	1185	255	21	33.2	39.0	58	14	747	n.a.	0.22	Wild, 1990
MDB6	728	185	0.2	55	22.4	n.a.	63	178	n.a.	0.38	Wild, 1990
PVP	3230	394	203	225	17.2	201	238	1750	0.90	8.29	Wild, 1990
USGS #5	4940	513	320	446	67.2	321	487	2650	2.60	4.67	Wild, 1990
USGS #34	990	143	100	41	5.3	265	132	429	0.10	5.53	LVVWD database
USGS #37	1855	175	165	145	22.4	563	172	739	0.30	13.6	LVVWD database
USGS #40	3070	327	211	238	18.5	250	246	1570	1.10	8.16	LVVWD database
USGS #43	4830	433	423	222	38.5	373	208	2760	1.90	8.54	Wild, 1990
USGS #47	2360	218	211	141	14.9	255	166	1240	n.a.	1.20	Wild, 1990
USGS #48	1840*	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	Bashor, 1994
USGS #56	5400	610	410	340	20.0	183	650	2900	n.a.	n.a.	Wild, 1990
USGS #68	1720*	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	Wild, 1990

n.a. = data not available

\* = TDS values calculated from EC where EC \* 66% = TDS

NOTE: Above values are the most recent values listed in the reference material.

All concentrations in mg/l.