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RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

January 31, 2006

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Mr. Craig J. Wilson
Post Office Box 1977
Water Quality Assessment Unit
Division of Water Quality
State Water Resources Control Board
Sacramento, CA 95812-1977



Dear Mr. Wilson:

Re: Draft Clean Water Act Section 303(d)
List of Water Quality Limited Segments

The Riverside County Flood Control and Water Conservation District (District) appreciates the opportunity to comment on the Draft Clean Water Act Section 303(d) List of Water Quality Limited Segments for 2006 (303(d) List). This letter provides comments on proposed listings and delistings in the Santa Ana Regional Water Quality Control Board (RWQCB) (Region 8) and San Diego RWQCB (Region 9) jurisdictions.

Region 8 – Inappropriate listing of Lake Elsinore for polychlorinated biphenyls

The District notes comments submitted by:

- Rish Sciences on behalf of the Big Bear Lake TMDL group;
- The Santa Ana RWQCB; and
- Orange County

regarding concerns of the use of the OEHHA screening value for polychlorinated biphenyls as the basis for including waterbodies on the 303(d) List. The District is also concerned with the use of fish tissue samples without supporting ancillary evidence of chemical toxicity. The District requests the removal of Lake Elsinore from the 303(d) List for polychlorinated biphenyls.

Region 8 – Support de-listing of Lake Elsinore for sedimentation/siltation

The District supports the de-listing of Lake Elsinore for sediments/siltation.

Region 9 – Oppose listing of Murrieta Creek for Arsenic, Copper, Iron, Manganese, and Zinc

The District has reviewed the data supporting the proposed listing of Murrieta Creek for arsenic, copper, iron, manganese, and zinc. The District believes that Murrieta Creek was inappropriately listed for these constituents for the following reasons:

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Exceedances do not meet the criteria of Section 6.1.5.3 of the Water Quality Control Policy for Developing California's Clean Water Act Section 303(d) List (Listing Policy), and therefore do not meet the criteria of Table 3.1 of the Listing Policy

All five of these constituents were listed based on the same two sets of data:

- Data collected by RWQCB9 on June 9, 1998 - Two samples were collected on June 9, 1998 at two different locations on Murrieta Creek. Both samples were analyzed for the aforementioned constituents and both exceeded the criteria for each of the aforementioned constituents.
- Data collected by LAW Crandall from 1997 to 2000 - Eleven samples were collected and analyzed for each of the aforementioned constituents. Zero of the samples were in exceedance for each of the aforementioned constituents.

Murrieta Creek is an ephemeral wash with no sustained flows during the dry season at the Calle del Oso Road location, monitored by Regional Board staff. The Cement Factory location received POTW flows, which have since been permanently ceased. Our rainfall records indicate there were no summer rain showers that would have been responsible for the flow at Calle del Oso Road. The samples most likely reflect specific conditions occurring during the day the samples were collected (perhaps an illegal discharge) rather than a chronic water quality condition. Section 6.1.5.3 of the Water Quality Control Policy for Developing California's Clean Water Act Section 303(d) List (Listing Policy) states that:

"Samples should be representative of the critical timing that the pollutant is expected to impact the water body. Samples used in the assessment must be temporally independent. If the majority of samples were collected on a single day or during a single short-term natural event (e.g. a storm, flood or wildfire), the data shall not be used as the primary data set to support the listing decision... In general, samples should be available from two or more seasons or from two or more events when the effects or water quality objective exceedances would be expected to be clearly manifested".

It is clear that the exceedances for all five constituents, which are based on two samples from different reaches of Murrieta Creek, were collected on a single date (June 9, 1998). The District requests that these two data points be considered representative of a single exceedance of each Water Quality Objective, consistent with the requirements of Section 6.1.5.3 of the Listing Policy. Based on only a single exceedance of Water Quality Objectives, the constituent would not exceed the allowable frequency listed in Table 3.1, and therefore none of the aforementioned constituents should be listed.

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Additional Water Quality Data collected as part of the District's NPDES MS4 Permit Monitoring and Reporting Program supports delisting of Arsenic, Copper, and Zinc.

Please find attached a summary table of data collected by the District on Murrieta Creek from 1994 to 2005 as part of the Santa Margarita Watershed NPDES MS4 Permit Monitoring and Reporting Program (Board Orders R9-2004-001 and R9-1998-002). This data was collected and analyzed under an appropriate quality assurance project plan consistent with Section 6.1.4 of the Listing Policy. The data is summarized below:

- Arsenic - Data collected by the District per the requirements of its NPDES MS4 Permit from 1994 to 2005. Thirty-nine samples were collected. Zero samples were in exceedance of Basin Plan Objectives.
- Copper - Data collected by the District per the requirements of its NPDES MS4 Permit from 1994 to 2005. Forty-three samples were collected. Zero samples were in exceedance of Basin Plan Objectives.
- Zinc - Data collected by the District per the requirements of its NPDES MS4 Permit from 1994 to 2005. Forty-three samples were collected. Zero samples were in exceedance of Basin Plan Objectives.

Based on this additional data, for each of arsenic, copper, and zinc, there would be at most, two exceedances and at minimum, fifty-two data points not in exceedance. Based on the criteria contained in Table 3.1 of the listing policy, this additional data would not support the listing of Murrieta Creek for arsenic, copper, or zinc.

The District has supplied this data in electronic and paper copies on the pdqflat_2.xls format originally requested by State Board staff in 2004. If additional supporting information regarding this data is required, the District will be glad to add this information in a supplemental request.

The District has not collected or analyzed any samples for Manganese or Iron to date.

Region 9 – Oppose listing of the Lower Santa Margarita River for Mercury

The Lower Santa Margarita River was listed for Mercury based on two exceedances of the Mercury standard in eight fish tissue samples collected between 1979 and 1999. Besides the fish tissue samples, no ancillary evidence exists to support a listing for Mercury. It is not clear what type of fish was sampled, whether the fish was migratory in nature, or whether the fish tissue samples were from the liver or other organs. If the fish are migratory in nature and may range outside of the Lower Santa Margarita River, then the listing would be inappropriate. Further, the listing policy specifically prohibits the use of liver tissue as a measure of bioaccumulation of pollutants in aquatic life tissue. In any case, the District opposes the use of fish or other tissue samples as the sole criteria for listing without consideration for the migratory nature of the aquatic life form or other chemical indicators of the pollutant within the waterbody.

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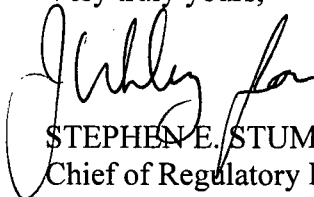
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Closing

In closing, the District would like to thank the State Board for developing a listing policy that provides the basis for the listing/delisting of waterbody/pollutant combinations. Although the District believes that the policy requires continued refinement, such as, requiring supporting chemical evidence for listing based on tissue samples, it is a clear improvement over the efforts in past years. The District looks forward to working with the State Water Resources Control Board and the RWQCBs on programs to further improve the quality of our Receiving Waters. If you have any questions regarding the comments within this letter, please contact Jason Uhley at 951.955.1273.

Very truly yours,



STEPHEN E. STUMP
Chief of Regulatory Division

c: Alex Gann, County Executive Office
Riverside County Management Steering Committee
Riverside County Technical Advisory Committee
Santa Ana RWQCB
San Diego RWQCB
San Diego MS4 Permittees

JEU:cw
P8/104639

STATION	STATION NAME	SAMPNUM	BOTTLE	PROJECT1	PROJECT2	PROJECT3	PROJECT4	DATE	TIME	VARIABLE	ACCURACY	VALUE	FLAG	QUALITY	SRCSAMP	COLLSAMP	COLLMETH	PRESMETH1	PRESMETH2	PRESMETH3	PRESMETH4	LABREF	LABSAMPREF	RECDATE	INPUTSRC	Excel Date/Time	F1070.00	V1070.00	F1210.00	V1210.00	F1700.00	V1700.00
																											As	Cu	Zn			
778	Murrieta Creek	917				DTracy		9/12/1994	1255	1070	5	0.01 <	1	AQ	RF	DI	CH	PR							BAB		34589.53819 <	0.01 <	0.01 <	0.01 <	0.01	
778	Murrieta Creek	918				DTracy		12/22/1994	1305	1070	5	0.01 <	1	AQ	RF	DI	CH	PR							BAB		34690.54514 <	0.01 <	0.01 <	0.01 <	0.01	
778	Murrieta Creek	919				DTracy		3/22/1995	1450	1070	5	0.01 <	1	AQ	RF	DI	CH	PR							BAB		34780.61806 <	0.01 <	0.01 <	0.01 <	0.01	
778	Murrieta Creek	920				DTracy		6/22/1995	1150	1070	5	0.01 <	1	AQ	RF	DI	CH	PR							BAB		34872.49306 <	0.01 <	0.01 <	0.01 <	0.01	
778	Murrieta Creek	921				DTracy		9/12/1995	1150	1070	5	0.01 <	1	AQ	RF	DI	CH	PR							BAB		34954.49306 <	0.01 <	0.01 <	0.01 <	0.01	
778	Murrieta Creek	922				DTracy		12/19/1995	1245	1070	5	0.01 <	1	AQ	RF	DI	CH	PR							BAB		35052.53125 <	0.01 <	0.02 <	0.02 <	0.01	
778	Murrieta Creek	923				DTracy		3/13/1996	1210	1070	5	0.01 <	1	AQ	RF	DI	CH	PR							BAB		35137.50694 <	0.01	0.02	0.02	0.09	
778	Murrieta Creek	924				DTracy		4/4/1996	1410	1070	5	0.01 <	1	AQ	RF	DI	CH	PR							BAB		35159.59028 <	0.01 <	0.01 <	0.01 <	0.01	
778	Murrieta Creek	925				DTracy		6/6/1996	1300	1070	5	0.01 <	1	AQ	RF	DI	CH	PR							BAB		35222.54167 <	0.01 <	0.01 <	0.01 <	0.01	
778	Murrieta Creek	926				DTracy		9/19/1996	1200	1070	5	0.01 <	1	AQ	RF	DI	CH	PR							BAB	L21504-001	9/19/1996	35327.5 <	0.01 <	0.01 <	0.01 <	0.01
778	Murrieta Creek	927 A				DTracy		12/5/1996	1200	1070	5	0.01 <	1	AQ	RF	DI	CH	PR							BAB	L24007-001	12/5/1996	35404.5 <	0.01 <	0.01 <	0.01 <	0.01
778	Murrieta Creek	927 B				DTracy		12/5/1996	1201	1070	5	0.1 <	1	AQ	RF	DI	CH	PR							BAB	L24007-002	12/5/1996	35404.50069 <	0.1 <	0.01 <	0.01 <	0.01
778	Murrieta Creek	929				DTracy		3/19/1997	1500	1070	5	0.01 <	1	AQ	RF	DI	CH	PR							BAB	L27486-006	3/19/1997	35508.625 <	0.01 <	0.01 <	0.01 <	0.01
778	Murrieta Creek	930				DTracy		6/11/1997	1015	1070	5	0.01 <	1	AQ	RF	DI	CH	PR							BAB	L30102-002	6/11/1997	35592.42708 <	0.01 <	0.01 <	0.01 <	0.01
778	Murrieta Creek	931				CGoyette		9/24/1997	1320	1070	5	0.01 <	1	AQ	RF	DI	CH								BAB	L33523-001	9/24/1997	35697.55556 <	0.01 <	0.01 <	0.01 <	0.01
778	Murrieta Creek	932				DTracy		1/14/1998	1210	1070	5	0.01 <	1	AQ	RF	DI	CH								BAB	L37325-002	1/14/1998	35809.50694 <	0.01 <	0.01	0.01	0.01
778	Murrieta Creek	933				MWills		3/25/1998	1840	1070	5	0.01 <	1	AQ	RF	DI	CH								BAB	L39866-005	3/26/1998	35879.77778 <	0.01	0.04	0.04	0.18
778	Murrieta Creek	934				DTracy		4/22/1998	1250	1070	5	0.01 <	1	AQ	RF	DI	CH								BAB	L40868-004	4/22/1998	35907.53472 <	0.01 <	0.01	0.01	0.01
778	Murrieta Creek	935				DTracy		6/17/1998	1300	1070	5	0.005 <	1	AQ	RF	DI	CH								BAB	L42877-001	6/17/1998	35963.54167 <	0.005 <	0.01 <	0.01 <	0.01
778	Murrieta Creek	L46324-004				D.Tracy		9/23/1998	1500	1070	5	0.005 <	1	AQ	RF	DI									BAB	L46324-004	9/23/1998	36061.625 <	0.005 <	0.01 <	0.01 <	0.01
778	Murrieta Creek	L49967-001				D.Tracy		1/6/1999	1430	1070	5	0.005 <	1	AQ	RF	DI									BAB	L49967-001	1/6/1999	36166.60417 <	0.005 <	0.01	0.01	0.01
778	Murrieta Creek	L53847-002				CG/WC		4/15/1999	1300	1070	5	0.005 <	1	AQ	RF	DI									BAB	L53847-002	4/15/1999	36265.54167 <	0.005 <	0.01	0.01	0.02
778	Murrieta Creek	L58414-003				CRG		8/11/1999	830	1070	5	0.005 <	1	AQ	RF	DI									BAB	L58414-003		36383.35417 <	0.005 <	0.01	0.01	0.02
778	Murrieta Creek	L60022-001				CG		9/23/1999	915	1070	5	0.005 <	1	AQ	RF	DI									BAB	L60022-001	9/23/1999	36426.38542 <	0.005 <	0.01 <	0.01 <	0.01
778	Murrieta Creek	L66061-003				CG		2/23/2000	1415	1070	5	0.005 <	1	AQ	RF	DI									BAB	L66061-003	2/24/2000	36579.59375 <	0.005 <	0.01	0.01	0.08
778	Murrieta Creek	L68142-002				CG		4/13/2000	1100	1070	5	0.005 <	1	AQ	RF	DI									BAB	L68142-002	4/13/2000	36629.45833 <	0.005 <	0.01	0.01	0.01
778	Murrieta Creek	L70878-002				CG		6/21/2000	1305	1070	5	0.005 <	1	AQ	RF	DI									BAB	L70878-002	6/21/2000	36698.54514 <	0.005 <	0.01 <	0.01 <	0.01
778	Murrieta Creek	L74623-002				CG		9/19/2000	1125	1070	5	0.005	1	AQ	RF	DI									BAB	L74623-002	9/19/2000	36788.47569 <	0.005 <	0.01 <	0.01 <	0.01
778	Murrieta Creek	L82825-002	RECEIVING SANTA MARG			CG		3/29/2001	1300	1070	5	0.005 <	1	AQ	RF	DI	CH								BAB	L82825-002	3/29/2001	36979.54167 <	0.005 <	0.01	0.01	0.01
778	Murrieta Creek	L85975-002				CG		6/14/2001	1200	1070	5	0.005 <	1	AQ	RF	DI									BAB	L85975-002	6/14/2001	37056.5 <	0.005 <	0.01 <	0.01 <	0.01
778	Murrieta Creek	A3A0749-03				DAVID ORTE		1/17/2003	1300	1070	5	0.005 <	1	AQ	RF	DI									BAB	A3A0749-03	1/17/2003	37638.54167 <	0.005 <	0.01 <	0.01 <	0.01
778	Murrieta Creek	A3C0634-03				DAVID ORTE		3/13/2003	1225	1070	5	0.005 <	1	AQ	RF	DI									BAB	A3C0634-03	3/13/2003	37693.51736 <	0.005 <	0.01 <	0.01 <	0.01
778	Murrieta Creek	A3E0873-03				DAVID ORTE		5/20/2003	1010	1070	5	0.005 <	1	AQ	RF	DI									BAB	A3E0873-03	5/20/2003	37761.42361 <	0.005 <	0.01 <	0.01 <	0.01
778	Murrieta Creek	A3G1119-02				DAVID ORTE		7/24/2003	1135	1070	5	0.005 <	1	AQ	RF	DI									BAB	A3G1119-02	7/24/2003	37826.48264 <	0.005 <	0.01 <	0.01 <	0.01
778	Murrieta Creek	A3J0857-03				DAVID ORTE		10/10/2003	1230	1070	5	0.005 <	1	AQ	RF	DI									BAB	A3J0857-03	10/10/2003	37904.52083 <	0.005 <	0.01 <	0.01 <	0.01
778	Murrieta Creek	A4A1986-03				DAVID ORTE		1/29/2004	1230	1070	5	0.0061	1	AQ	RF	DI									BAB	A4A1986-03	1/29/2004	38015.52083	0.0061 <	0.01 <	0.01 <	0.01
778	Murrieta Creek	A4D0064-03				DAVID ORTE		4/1/2004	1250	1070	5	0.005 <	1	AQ	RF	DI									BAB	A4D0064-03	4/1/2004	38078.53472 <	0.005 <	0.01 <	0.01 <	0.01
778	Murrieta Creek	A4G1131-03				DAVID ORTE		7/14/2004	1340	1070	5	0.0071	1	AQ	RF	DI									BAB	A4G1131-03	7/14/2004	38182.56944	0.0071 <	0.01 <	0.01 <	0.01
778	Murrieta Creek	A4J0423-02				DAVID ORTE		10/6/2004	1045	1210	5	0.0018	1	AQ	RF	DI									BAB	A4J0423-02	10/6/2004	38266.44792		0.0018	0.0018	0.0013
778	Murrieta Creek	A4J1846-01				ARLENE CHU		10/20/2004	1040	1070	5	0.0056	1	AQ	RF	DI									BAB	A4J1846-01	10/20/2004	38280.44444	0.0056	0.037	0.037	0.14
778	Murrieta Creek	A4L2539-01				ARLENE CHU		12/28/2004	1250	1210	5	0.036	1	AQ	RF	DI									BAB	A4L2539-01	12/28/2004	38349.53472		0.036	0.036	0.19
778	Murrieta Creek	A5B1124-01				AC/RM		2/11/2005	1120	1210	5	0.013	1	AQ	RF	DI									BAB	A5B1124-01	2/11/2005	38394.47222		0.013	0.013	0.04
778	Murrieta Creek	A5E0991-01				DAVID ORTE		5/11/2005	810	1210	5	0.0046	1	AQ	RF	DI									BAB	A5E0991-01	5/11/2005	38483.34028		0.0046	0.0046	0.0033

STATION	SAMPNUM	BOTTLE	PROJECT1	PROJECT2	PROJECT3	PROJECT4	DATE	TIME	VARIABLE	ACCURACY	VALUE	FLAG	QUALITY	SRCSAMP	COLLSAMP	COLLMETH	PRESMETH1	PRESMETH2	PRESMETH3	PRESMETH4	LABREF	LABSAMP	PREI	RECDATE	INPUTSRC	DBVER8	
778	917					DTracy	9/12/1994	1255	1070.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	917					DTracy	9/12/1994	1255	1210.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	917					DTracy	9/12/1994	1255	1700.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	918					DTracy	12/22/1994	1305	1070.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	918					DTracy	12/22/1994	1305	1210.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	918					DTracy	12/22/1994	1305	1700.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	919					DTracy	3/22/1995	1450	1070.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	919					DTracy	3/22/1995	1450	1210.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	919					DTracy	3/22/1995	1450	1700.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	920					DTracy	6/22/1995	1150	1070.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	920					DTracy	6/22/1995	1150	1210.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	920					DTracy	6/22/1995	1150	1700.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	921					DTracy	9/12/1995	1150	1070.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	921					DTracy	9/12/1995	1150	1210.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	921					DTracy	9/12/1995	1150	1700.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	922					DTracy	12/19/1995	1245	1070.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	922					DTracy	12/19/1995	1245	1210.00	5	0.02000	<	1	AO	RF	DI	CH	PR							BAB		
778	922					DTracy	12/19/1995	1245	1700.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	923					DTracy	3/13/1996	1210	1070.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	923					DTracy	3/13/1996	1210	1210.00	5	0.02000	<	1	AO	RF	DI	CH	PR							BAB		
778	923					DTracy	3/13/1996	1210	1700.00	5	0.05000	<	1	AO	RF	DI	CH	PR							BAB		
778	924					DTracy	4/4/1996	1410	1070.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	924					DTracy	4/4/1996	1410	1210.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	924					DTracy	4/4/1996	1410	1700.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	925					DTracy	6/5/1996	1300	1070.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	925					DTracy	6/5/1996	1300	1210.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	925					DTracy	6/5/1996	1300	1700.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB		
778	926					DTracy	9/19/1996	1200	1070.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L21504-001	9/19/1996
778	926					DTracy	9/19/1996	1200	1210.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L21504-001	9/19/1996
778	926					DTracy	9/19/1996	1200	1700.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L21504-001	9/19/1996
778	927	A				DTracy	12/5/1996	1200	1070.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L24007-001	12/5/1996
778	927	A				DTracy	12/5/1996	1200	1210.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L24007-001	12/5/1996
778	927	A				DTracy	12/5/1996	1200	1700.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L24007-001	12/5/1996
778	927	B				DTracy	12/5/1996	1201	1070.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L24007-002	12/5/1996
778	927	B				DTracy	12/5/1996	1201	1210.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L24007-002	12/5/1996
778	927	B				DTracy	12/5/1996	1201	1700.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L24007-002	12/5/1996
778	929					DTracy	3/19/1997	1500	1070.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L27486-006	3/19/1997
778	929					DTracy	3/19/1997	1500	1210.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L27486-006	3/19/1997
778	929					DTracy	3/19/1997	1500	1700.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L27486-006	3/19/1997
778	930					DTracy	6/11/1997	1015	1070.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L30102-002	6/11/1997
778	930					DTracy	6/11/1997	1015	1210.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L30102-002	6/11/1997
778	930					DTracy	6/11/1997	1015	1700.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L30102-002	6/11/1997
778	931					CGoyette	9/24/1997	1320	1070.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L33523-001	9/24/1997
778	931					CGoyette	9/24/1997	1320	1210.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L33523-001	9/24/1997
778	931					CGoyette	9/24/1997	1320	1700.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L33523-001	9/24/1997
778	932					DTracy	1/14/1998	1210	1070.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L37325-002	1/14/1998
778	932					DTracy	1/14/1998	1210	1210.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L37325-002	1/14/1998
778	932					DTracy	1/14/1998	1210	1700.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L37325-002	1/14/1998
778	933					MWills	3/25/1998	1840	1070.00	5	0.04000	<	1	AO	RF	DI	CH	PR							BAB	L39866-005	3/25/1998
778	933					MWills	3/25/1998	1840	1210.00	5	0.04000	<	1	AO	RF	DI	CH	PR							BAB	L39866-005	3/25/1998
778	933					MWills	3/25/1998	1840	1700.00	5	0.18000	<	1	AO	RF	DI	CH	PR							BAB	L39866-005	3/25/1998
778	934					DTracy	4/22/1998	1250	1070.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L40868-004	4/22/1998
778	934					DTracy	4/22/1998	1250	1210.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L40868-004	4/22/1998
778	934					DTracy	4/22/1998	1250	1700.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L40868-004	4/22/1998
778	935					DTracy	6/17/1998	1300	1070.00	5	0.00500	<	1	AO	RF	DI	CH	PR							BAB	L42877-001	6/17/1998
778	935					DTracy	6/17/1998	1300	1210.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L42877-001	6/17/1998
778	935					DTracy	6/17/1998	1300	1700.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L42877-001	6/17/1998
778	L46324-004					DTracy	9/23/1998	1500	1070.00	5	0.00500	<	1	AO	RF	DI	CH	PR							BAB	L46324-004	9/23/1998
778	L46324-004					DTracy	9/23/1998	1500	1210.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L46324-004	9/23/1998
778	L46324-004					DTracy	9/23/1998	1500	1700.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L46324-004	9/23/1998
778	L49967-001					DTracy	1/6/1999	1430	1070.00	5	0.00500	<	1	AO	RF	DI	CH	PR							BAB	L49967-001	1/6/1999
778	L49967-001					DTracy	1/6/1999	1430	1210.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L49967-001	1/6/1999
778	L49967-001					DTracy	1/6/1999	1430	1700.00	5	0.01000	<	1	AO	RF	DI	CH	PR							BAB	L49967-001	1/6/1999
778	L53847-002					CG/WC	4/15/1999	1300	1070.00	5	0.00500	<	1	AO	RF	DI	CH	PR							BAB	L53847-002	4/15/1999
778	L53847-002					CG/WC	4/15/1999	1300	1210.00	5	0.01000																

ANALYTENAME	CASNUMBER	ANALYTE_DESCR	ANALYTE_CODE	FRACTION	MATRIX	ANALYTICAL_METHOD	SAMPLEDATE	SAMPLETIME	SAMPLE_DEVICE	SAMPLETYPE	SAMPLE_COMMENTS	SAMPLEDEPTH_M	FIELD_SAMPLE_ID	FIELD_REPLICATE_ID
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	9/12/1994	12:55		Grab		0.15		917
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	9/12/1994	12:55		Grab		0.15		917
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	9/12/1994	12:55		Grab		0.15		917
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	12/22/1994	13:05		Grab		0.15		918
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	12/22/1994	13:05		Grab		0.15		918
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	12/22/1994	13:05		Grab		0.15		918
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	3/22/1995	14:50		Grab		0.15		919
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	3/22/1995	14:50		Grab		0.15		919
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	3/22/1995	14:50		Grab		0.15		919
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	6/22/1995	11:50		Grab		0.15		920
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	6/22/1995	11:50		Grab		0.15		920
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	6/22/1995	11:50		Grab		0.15		920
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	9/12/1995	11:50		Grab		0.15		921
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	9/12/1995	11:50		Grab		0.15		921
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	9/12/1995	11:50		Grab		0.15		921
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	12/19/1995	12:45		Grab		0.15		922
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	12/19/1995	12:45		Grab		0.15		922
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	12/19/1995	12:45		Grab		0.15		922
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	3/13/1996	12:10		Grab		0.15		923
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	3/13/1996	12:10		Grab		0.15		923
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	3/13/1996	12:10		Grab		0.15		923
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	4/4/1996	14:10		Grab		0.15		924
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	4/4/1996	14:10		Grab		0.15		924
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	4/4/1996	14:10		Grab		0.15		924
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	6/6/1996	13:00		Grab		0.15		925
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	6/6/1996	13:00		Grab		0.15		925
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	6/6/1996	13:00		Grab		0.15		925
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	9/19/1996	12:00		Grab		0.15		926
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	9/19/1996	12:00		Grab		0.15		926
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	9/19/1996	12:00		Grab		0.15		926
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	12/5/1996	12:00		Grab		0.15		927
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	12/5/1996	12:00		Grab		0.15		927
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	12/5/1996	12:00		Grab		0.15		927
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	12/5/1996	12:01		Grab		0.15		927
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	12/5/1996	12:01		Grab		0.15		927
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	12/5/1996	12:01		Grab		0.15		927
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	3/19/1997	15:00		Grab		0.15		929
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	3/19/1997	15:00		Grab		0.15		929
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	3/19/1997	15:00		Grab		0.15		929
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	6/11/1997	10:15		Grab		0.15		930
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	6/11/1997	10:15		Grab		0.15		930
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	6/11/1997	10:15		Grab		0.15		930
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	9/24/1997	13:20		Grab		0.15		931
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	9/24/1997	13:20		Grab		0.15		931
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	9/24/1997	13:20		Grab		0.15		931
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	1/14/1998	12:10		Grab		0.15		932
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	1/14/1998	12:10		Grab		0.15		932
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	1/14/1998	12:10		Grab		0.15		932
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	3/25/1998	18:40		Grab		0.15		933
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	3/25/1998	18:40		Grab		0.15		933
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	3/25/1998	18:40		Grab		0.15		933
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	4/22/1998	12:50		Grab		0.15		934
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	4/22/1998	12:50		Grab		0.15		934
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	4/22/1998	12:50		Grab		0.15		934
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	6/17/1998	13:00		Grab		0.15		935
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	6/17/1998	13:00		Grab		0.15		935
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	6/17/1998	13:00		Grab		0.15		935
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	9/23/1998	15:00		Grab		0.15	L46324-004	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	9/23/1998	15:00		Grab		0.15	L46324-004	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	9/23/1998	15:00		Grab		0.15	L46324-004	
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	1/6/1999	14:30		Grab		0.15	L49967-001	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	1/6/1999	14:30		Grab		0.15	L49967-001	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	1/6/1999	14:30		Grab		0.15	L49967-001	
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	4/15/1999	13:00		Grab		0.15	L53847-002	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	4/15/1999	13:00		Grab		0.15	L53847-002	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	4/15/1999	13:00		Grab		0.15	L53847-002	
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	8/11/1999	08:30		Grab		0.15	L58414-003	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	8/11/1999	08:30		Grab		0.15	L58414-003	

ANALYTE NAME	CAS NUMBER	ANALYTE DESCR	ANALYTE CODE	FRACTION	MATRIX	ANALYTICAL METHOD	SAMPLE DATE	SAMPLE TIME	SAMPLE DEVICE	SAMPLE TYPE	SAMPLE COMMENTS	SAMPLE DEPTH - M	FIELD SAMPLE ID	FIELD REPLICATE ID
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	8/11/1999	08:30		Grab		0.15	L58414-003	
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	9/23/1999	09:15		Grab		0.15	L60022-001	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	9/23/1999	09:15		Grab		0.15	L60022-001	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	9/23/1999	09:15		Grab		0.15	L60022-001	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	9/23/1999	09:15		Grab		0.15	L60022-001	
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	2/23/2000	14:15		Grab		0.15	L66061-003	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	2/23/2000	14:15		Grab		0.15	L66061-003	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	2/23/2000	14:15		Grab		0.15	L66061-003	
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	4/13/2000	11:00		Grab		0.15	L68142-002	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	4/13/2000	11:00		Grab		0.15	L68142-002	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	4/13/2000	11:00		Grab		0.15	L68142-002	
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	6/21/2000	13:05		Grab		0.15	L70878-002	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	6/21/2000	13:05		Grab		0.15	L70878-002	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	6/21/2000	13:05		Grab		0.15	L70878-002	
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	9/19/2000	11:25		Grab		0.15	L74623-002	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	9/19/2000	11:25		Grab		0.15	L74623-002	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	9/19/2000	11:25		Grab		0.15	L74623-002	
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	3/29/2001	13:00		Grab		0.15	L82825-002	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	3/29/2001	13:00		Grab		0.15	L82825-002	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	3/29/2001	13:00		Grab		0.15	L82825-002	
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	6/14/2001	12:00		Grab		0.15	L85975-002	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	6/14/2001	12:00		Grab		0.15	L85975-002	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	6/14/2001	12:00		Grab		0.15	L85975-002	
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	1/17/2003	13:00		Grab		0.15	A3A0749-03	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	1/17/2003	13:00		Grab		0.15	A3A0749-03	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	1/17/2003	13:00		Grab		0.15	A3A0749-03	
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	3/13/2003	12:25		Grab		0.15	A3C0634-03	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	3/13/2003	12:25		Grab		0.15	A3C0634-03	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	3/13/2003	12:25		Grab		0.15	A3C0634-03	
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	5/20/2003	10:10		Grab		0.15	A3E0873-03	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	5/20/2003	10:10		Grab		0.15	A3E0873-03	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	5/20/2003	10:10		Grab		0.15	A3E0873-03	
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	7/24/2003	11:35		Grab		0.15	A3G1119-02	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	7/24/2003	11:35		Grab		0.15	A3G1119-02	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	7/24/2003	11:35		Grab		0.15	A3G1119-02	
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	10/10/2003	12:30		Grab		0.15	A3J0857-03	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	10/10/2003	12:30		Grab		0.15	A3J0857-03	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	10/10/2003	12:30		Grab		0.15	A3J0857-03	
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	1/29/2004	12:30		Grab		0.15	A4A1986-03	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	1/29/2004	12:30		Grab		0.15	A4A1986-03	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	1/29/2004	12:30		Grab		0.15	A4A1986-03	
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	4/1/2004	12:50		Grab		0.15	A4D0064-03	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	4/1/2004	12:50		Grab		0.15	A4D0064-03	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	4/1/2004	12:50		Grab		0.15	A4D0064-03	
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	7/14/2004	13:40		Grab		0.15	A4G1131-03	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	7/14/2004	13:40		Grab		0.15	A4G1131-03	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	7/14/2004	13:40		Grab		0.15	A4G1131-03	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	10/6/2004	10:45		Grab		0.15	A4J0423-02	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	10/6/2004	10:45		Grab		0.15	A4J0423-02	
Arsenic	7440382		1070.00	Total	samplewater	EPA 200.8	10/20/2004	10:40		Integrated		0.15	A4J1846-01	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	10/20/2004	10:40		Integrated		0.15	A4J1846-01	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	10/20/2004	10:40		Integrated		0.15	A4J1846-01	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	12/28/2004	12:50		Integrated		0.15	A4L2539-01	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	12/28/2004	12:50		Integrated		0.15	A4L2539-01	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	2/11/2005	11:20		Integrated		0.15	A5B1124-01	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	2/11/2005	11:20		Integrated		0.15	A5B1124-01	
Copper	7440508		1210.00	Total	samplewater	EPA 200.8	5/11/2005	08:10		Grab		0.15	A5E0991-01	
Zinc	7440666		1700.00	Total	samplewater	EPA 200.8	5/11/2005	08:10		Grab		0.15	A5E0991-01	

FIELD	SAMPLE ID	FIELD RESULT	FIELD RESULT UNITS	FIELD SIGFIG	FIELD RESQUAL_CODE	FIELD_QA_CODE	FIELD_CALIBRATION_DATE	FIELD_RESULTCOMMENTS	LAB_SAMPLEID	LAB_REPLICATE_ID	LAB_BATCH	LAB_PREP_DESC	LAB_ANALYSISDATE
	917								917				9/12/1994
	917								917				9/12/1994
	917								917				9/12/1994
	918								918				12/22/1994
	918								918				12/22/1994
	918								918				12/22/1994
	919								919				3/22/1995
	919								919				3/22/1995
	919								919				3/22/1995
	920								920				6/22/1995
	920								920				6/22/1995
	920								920				6/22/1995
	921								921				9/12/1995
	921								921				9/12/1995
	921								921				9/12/1995
	922								922				12/19/1995
	922								922				12/19/1995
	922								922				12/19/1995
	923								923				3/13/1996
	923								923				3/13/1996
	923								923				3/13/1996
	924								924				4/4/1996
	924								924				4/4/1996
	924								924				4/4/1996
	925								925				6/6/1996
	925								925				6/6/1996
	925								925				6/6/1996
	926								L21504-001				9/19/1996
	926								L21504-001				9/19/1996
	926								L21504-001				9/19/1996
	927								L24007-001	1			12/5/1996
	927								L24007-001	1			12/5/1996
	927								L24007-001	1			12/5/1996
	927								L24007-002	2			12/5/1996
	927								L24007-002	2			12/5/1996
	927								L24007-002	2			12/5/1996
	929								L27486-006				3/19/1997
	929								L27486-006				3/19/1997
	929								L27486-006				3/19/1997
	930								L30102-002				6/11/1997
	930								L30102-002				6/11/1997
	930								L30102-002				6/11/1997
	931								L33523-001				9/24/1997
	931								L33523-001				9/24/1997
	931								L33523-001				9/24/1997
	932								L37325-002				1/14/1998
	932								L37325-002				1/14/1998
	932								L37325-002				1/14/1998
	933								L39866-005				3/26/1998
	933								L39866-005				3/26/1998
	933								L39866-005				3/26/1998
	934								L40868-004				4/22/1998
	934								L40868-004				4/22/1998
	934								L40868-004				4/22/1998
	935								L42877-001				6/17/1998
	935								L42877-001				6/17/1998
	935								L42877-001				6/17/1998
L46324-004									L46324-004				9/23/1998
L46324-004									L46324-004				9/23/1998
L46324-004									L46324-004				9/23/1998
L49967-001									L49967-001				1/6/1999
L49967-001									L49967-001				1/6/1999
L49967-001									L49967-001				1/6/1999
L53847-002									L53847-002				4/15/1999
L53847-002									L53847-002				4/15/1999
L53847-002									L53847-002				4/15/1999
L58414-003									L58414-003				8/11/1999
L58414-003									L58414-003				8/11/1999

FIELD	SAMPLE ID	FIELD RESULT	FIELD RESULT UNITS	FIELD SIGFIG	FIELD RESQUAL CODE	FIELD QA CODE	FIELD CALIBRATION DATE	FIELD RESULTCOMMENTS	LAB_SAMPLEID	LAB_REPLICATE_ID	LAB_BATCH	LAB_PREP_DESC	LAB_ANALYSISDATE
	L58414-003								L58414-003				8/11/1999
	L60022-001								L60022-001				9/23/1999
	L60022-001								L60022-001				9/23/1999
	L60022-001								L60022-001				9/23/1999
	L60022-001								L60022-001				9/23/1999
	L66061-003								L66061-003				2/24/2000
	L66061-003								L66061-003				2/24/2000
	L66061-003								L66061-003				2/24/2000
	L68142-002								L68142-002				4/13/2000
	L68142-002								L68142-002				4/13/2000
	L68142-002								L68142-002				4/13/2000
	L70878-002								L70878-002				6/21/2000
	L70878-002								L70878-002				6/21/2000
	L70878-002								L70878-002				6/21/2000
	L74623-002								L74623-002				9/19/2000
	L74623-002								L74623-002				9/19/2000
	L74623-002								L74623-002				9/19/2000
	L82825-002								L82825-002				3/29/2001
	L82825-002								L82825-002				3/29/2001
	L82825-002								L82825-002				3/29/2001
	L85975-002								L85975-002				6/14/2001
	L85975-002								L85975-002				6/14/2001
	L85975-002								L85975-002				6/14/2001
	A3A0749-03								A3A0749-03				1/17/2003
	A3A0749-03								A3A0749-03				1/17/2003
	A3A0749-03								A3A0749-03				1/17/2003
	A3C0634-03								A3C0634-03				3/13/2003
	A3C0634-03								A3C0634-03				3/13/2003
	A3C0634-03								A3C0634-03				3/13/2003
	A3E0873-03								A3E0873-03				5/20/2003
	A3E0873-03								A3E0873-03				5/20/2003
	A3E0873-03								A3E0873-03				5/20/2003
	A3G1119-02								A3G1119-02				7/24/2003
	A3G1119-02								A3G1119-02				7/24/2003
	A3G1119-02								A3G1119-02				7/24/2003
	A3J0857-03								A3J0857-03				10/10/2003
	A3J0857-03								A3J0857-03				10/10/2003
	A3J0857-03								A3J0857-03				10/10/2003
	A4A1986-03								A4A1986-03				1/29/2004
	A4A1986-03								A4A1986-03				1/29/2004
	A4A1986-03								A4A1986-03				1/29/2004
	A4D0064-03								A4D0064-03				4/1/2004
	A4D0064-03								A4D0064-03				4/1/2004
	A4D0064-03								A4D0064-03				4/1/2004
	A4G1131-03								A4G1131-03				7/14/2004
	A4G1131-03								A4G1131-03				7/14/2004
	A4G1131-03								A4G1131-03				7/14/2004
	A4J0423-02								A4J0423-02				10/6/2004
	A4J0423-02								A4J0423-02				10/6/2004
	A4J1846-01								A4J1846-01				10/20/2004
	A4J1846-01								A4J1846-01				10/20/2004
	A4J1846-01								A4J1846-01				10/20/2004
	A4L2539-01								A4L2539-01				12/28/2004
	A4L2539-01								A4L2539-01				12/28/2004
	A5B1124-01								A5B1124-01				2/11/2005
	A5B1124-01								A5B1124-01				2/11/2005
	A5E0991-01								A5E0991-01				5/11/2005
	A5E0991-01								A5E0991-01				5/11/2005

FIELD	SAMPLE_ID	LAB_RESULT	RESULT_UNITS	LAB_RESQUALCODE	LAB_SIGFIG	LAB_MDL	LAB_RL	LABQACODE	LAB_EXPECTEDVALUE	LAB_RESULTCOMMENTS	PROJECTID	PROJECT_NAME	PROJECT_NOTES	STATIONCODE
	917	0.01000	mg/L		<	5	0.01000			BAB				778
	917	0.01000	mg/L		<	5	0.01000			BAB				778
	917	0.01000	mg/L		<	5	0.01000			BAB				778
	918	0.01000	mg/L		<	5	0.01000			BAB				778
	918	0.01000	mg/L		<	5	0.01000			BAB				778
	918	0.01000	mg/L		<	5	0.01000			BAB				778
	919	0.01000	mg/L		<	5	0.01000			BAB				778
	919	0.01000	mg/L		<	5	0.01000			BAB				778
	919	0.01000	mg/L		<	5	0.01000			BAB				778
	920	0.01000	mg/L		<	5	0.01000			BAB				778
	920	0.01000	mg/L		<	5	0.01000			BAB				778
	920	0.01000	mg/L		<	5	0.01000			BAB				778
	921	0.01000	mg/L		<	5	0.01000			BAB				778
	921	0.01000	mg/L		<	5	0.01000			BAB				778
	921	0.01000	mg/L		<	5	0.01000			BAB				778
	922	0.01000	mg/L		<	5	0.01000			BAB				778
	922	0.02000	mg/L		<	5	0.02000			BAB				778
	922	0.01000	mg/L		<	5	0.01000			BAB				778
	923	0.01000	mg/L		<	5	0.01000			BAB				778
	923	0.02000	mg/L			5				BAB				778
	923	0.09000	mg/L			5				BAB				778
	924	0.01000	mg/L		<	5	0.01000			BAB				778
	924	0.01000	mg/L		<	5	0.01000			BAB				778
	924	0.01000	mg/L		<	5	0.01000			BAB				778
	925	0.01000	mg/L		<	5	0.01000			BAB				778
	925	0.01000	mg/L		<	5	0.01000			BAB				778
	925	0.01000	mg/L		<	5	0.01000			BAB				778
	926	0.01000	mg/L		<	5	0.01000			BAB				778
	926	0.01000	mg/L		<	5	0.01000			BAB				778
	926	0.01000	mg/L		<	5	0.01000			BAB				778
	927	0.01000	mg/L		<	5	0.01000			BAB				778
	927	0.01000	mg/L		<	5	0.01000			BAB				778
	927	0.01000	mg/L		<	5	0.01000			BAB				778
	927	0.10000	mg/L		<	5	0.10000			BAB				778
	927	0.01000	mg/L		<	5	0.01000			BAB				778
	927	0.01000	mg/L		<	5	0.01000			BAB				778
	929	0.01000	mg/L		<	5	0.01000			BAB				778
	929	0.01000	mg/L		<	5	0.01000			BAB				778
	929	0.01000	mg/L		<	5	0.01000			BAB				778
	930	0.01000	mg/L		<	5	0.01000			BAB				778
	930	0.01000	mg/L		<	5	0.01000			BAB				778
	931	0.01000	mg/L		<	5	0.01000			BAB				778
	931	0.01000	mg/L		<	5	0.01000			BAB				778
	931	0.01000	mg/L		<	5	0.01000			BAB				778
	932	0.01000	mg/L		<	5	0.01000			BAB				778
	932	0.01000	mg/L		<	5	0.01000			BAB				778
	932	0.01000	mg/L		<	5				BAB				778
	933	0.01000	mg/L		<	5	0.01000			BAB				778
	933	0.04000	mg/L			5				BAB				778
	933	0.18000	mg/L			5				BAB				778
	934	0.01000	mg/L		<	5	0.01000			BAB				778
	934	0.01000	mg/L		<	5	0.01000			BAB				778
	934	0.01000	mg/L			5				BAB				778
	935	0.00500	mg/L		<	5	0.00500			BAB				778
	935	0.01000	mg/L		<	5	0.01000			BAB				778
	935	0.01000	mg/L		<	5	0.01000			BAB				778
L46324-004		0.00500	mg/L		<	5	0.00500			BAB				778
L46324-004		0.01000	mg/L		<	5	0.01000			BAB				778
L46324-004		0.01000	mg/L		<	5	0.01000			BAB				778
L49967-001		0.00500	mg/L		<	5	0.00500			BAB				778
L49967-001		0.01000	mg/L		<	5	0.01000			BAB				778
L49967-001		0.01000	mg/L			5				BAB				778
L53847-002		0.00500	mg/L		<	5	0.00500			BAB				778
L53847-002		0.01000	mg/L		<	5	0.01000			BAB				778
L53847-002		0.02000	mg/L			5				BAB				778
L58414-003		0.00500	mg/L		<	5	0.00500			BAB				778
L58414-003		0.01000	mg/L		<	5	0.01000			BAB				778

FIELD	SAMPLE_ID	LAB_RESULT	RESULT_UNITS	LAB_RESQUALCODE	LAB_SIGFIG	LAB_MDL	LAB_RL	LABQACODE	LAB_EXPECTEDVALUE	LAB_RESULTCOMMENTS	PROJECTID	PROJECT_NAME	PROJECT NOTES	STATIONCODE
L58414-003		0.02000	mg/L		5					BAB				778
L60022-001		0.00500	mg/L	<	5		0.00500			BAB				778
L60022-001		0.01000	mg/L	<	5		0.01000			BAB				778
L60022-001		4.00000	mg/L		0					BAB				778
L60022-001		0.01000	mg/L	<	5		0.01000			BAB				778
L66061-003		0.00500	mg/L	<	5		0.00500			BAB				778
L66061-003		0.01000	mg/L	<	5		0.01000			BAB				778
L66061-003		0.08000	mg/L		5					BAB				778
L68142-002		0.00500	mg/L	<	5		0.00500			BAB				778
L68142-002		0.01000	mg/L	<	5		0.01000			BAB				778
L68142-002		0.01000	mg/L		5					BAB				778
L70878-002		0.00500	mg/L	<	5		0.00500			BAB				778
L70878-002		0.01000	mg/L	<	5		0.01000			BAB				778
L70878-002		0.01000	mg/L	<	5		0.01000			BAB				778
L74623-002		0.00500	mg/L		5					BAB				778
L74623-002		0.01000	mg/L	<	5		0.01000			BAB				778
L74623-002		0.01000	mg/L	<	5		0.01000			BAB				778
L74623-002		0.01000	mg/L	<	5		0.01000			BAB				778
L82825-002		0.00500	mg/L	<	5		0.00500			BAB				778
L82825-002		0.01000	mg/L	<	5		0.01000			BAB				778
L82825-002		0.01000	mg/L		5					BAB				778
L85975-002		0.00500	mg/L	<	5		0.00500			BAB				778
L85975-002		0.01000	mg/L	<	5		0.01000			BAB				778
L85975-002		0.01000	mg/L	<	5		0.01000			BAB				778
A3A0749-03		0.00500	mg/L	<	5		0.00500			BAB				778
A3A0749-03		0.01000	mg/L	<	5		0.01000			BAB				778
A3A0749-03		0.01000	mg/L	<	5		0.01000			BAB				778
A3C0634-03		0.00500	mg/L	<	5		0.00500			BAB				778
A3C0634-03		0.01000	mg/L	<	5		0.01000			BAB				778
A3C0634-03		0.01000	mg/L	<	5		0.01000			BAB				778
A3E0873-03		0.00500	mg/L	<	5		0.00500			BAB				778
A3E0873-03		0.01000	mg/L	<	5		0.01000			BAB				778
A3E0873-03		0.01000	mg/L	<	5		0.01000			BAB				778
A3G1119-02		0.00500	mg/L	<	5		0.00500			BAB				778
A3G1119-02		0.01000	mg/L	<	5		0.01000			BAB				778
A3G1119-02		0.01000	mg/L	<	5		0.01000			BAB				778
A3J0857-03		0.00500	mg/L	<	5		0.00500			BAB				778
A3J0857-03		0.01000	mg/L	<	5		0.01000			BAB				778
A3J0857-03		0.01000	mg/L	<	5		0.01000			BAB				778
A4A1986-03		0.00610	mg/L		5					BAB				778
A4A1986-03		0.01000	mg/L	<	5		0.01000			BAB				778
A4A1986-03		0.01000	mg/L	<	5		0.01000			BAB				778
A4D0064-03		0.00500	mg/L	<	5		0.00500			BAB				778
A4D0064-03		0.01000	mg/L	<	5		0.01000			BAB				778
A4D0064-03		0.01000	mg/L	<	5		0.01000			BAB				778
A4G1131-03		0.00710	mg/L		5					BAB				778
A4G1131-03		0.01000	mg/L	<	5		0.01000			BAB				778
A4G1131-03		0.01000	mg/L	<	5		0.01000			BAB				778
A4J0423-02		0.00180	mg/L		5					BAB				778
A4J0423-02		0.00130	mg/L		5					BAB				778
A4J1846-01		0.00560	mg/L		5					BAB				778
A4J1846-01		0.03700	mg/L		5					BAB				778
A4J1846-01		0.14000	mg/L		5					BAB				778
A4L2539-01		0.03600	mg/L		5					BAB				778
A4L2539-01		0.19000	mg/L		5					BAB				778
A5B1124-01		0.01300	mg/L		5					BAB				778
A5B1124-01		0.04000	mg/L		5					BAB				778
A5E0991-01		0.00460	mg/L		5					BAB				778
A5E0991-01		0.00330	mg/L		5					BAB				778

778	L53847-002	CG/WC	4/15/1999	1300	1210.00	5 0.01000 <	1 AQ	RF	DI	BAB	L53847-002	4/15/1999
778	L53847-002	CG/WC	4/15/1999	1300	1700.00	5 0.02000	1 AQ	RF	DI	BAB	L53847-002	4/15/1999
778	L58414-003	CRG	8/11/1999	830	1070.00	5 0.00500 <	1 AQ	RF	DI	BAB	L58414-003	
778	L58414-003	CRG	8/11/1999	830	1210.00	5 0.01000 <	1 AQ	RF	DI	BAB	L58414-003	
778	L58414-003	CRG	8/11/1999	830	1700.00	5 0.02000	1 AQ	RF	DI	BAB	L58414-003	
778	L60022-001	CG	9/23/1999	915	1070.00	5 0.00500 <	1 AQ	RF	DI	BAB	L60022-001	9/23/1999
778	L60022-001	CG	9/23/1999	915	1210.00	5 0.01000 <	1 AQ	RF	DI	BAB	L60022-001	9/23/1999
778	L60022-001	CG	9/23/1999	915	1700.00	0 4.00000	1 AQ	RF	DI	BAB	L60022-001	9/23/1999
778	L60022-001	CG	9/23/1999	915	1700.00	5 0.01000 <	1 AQ	RF	DI	BAB	L60022-001	9/23/1999
778	L66061-003	CG	2/23/2000	1415	1070.00	5 0.00500 <	1 AQ	RF	DI	BAB	L66061-003	2/24/2000
778	L66061-003	CG	2/23/2000	1415	1210.00	5 0.01000 <	1 AQ	RF	DI	BAB	L66061-003	2/24/2000
778	L66061-003	CG	2/23/2000	1415	1700.00	5 0.08000	1 AQ	RF	DI	BAB	L66061-003	2/24/2000
778	L68142-002	CG	4/13/2000	1100	1070.00	5 0.00500 <	1 AQ	RF	DI	BAB	L68142-002	4/13/2000
778	L68142-002	CG	4/13/2000	1100	1210.00	5 0.01000 <	1 AQ	RF	DI	BAB	L68142-002	4/13/2000
778	L68142-002	CG	4/13/2000	1100	1700.00	5 0.01000	1 AQ	RF	DI	BAB	L68142-002	4/13/2000
778	L70878-002	CG	6/21/2000	1305	1070.00	5 0.00500 <	1 AQ	RF	DI	BAB	L70878-002	6/21/2000
778	L70878-002	CG	6/21/2000	1305	1210.00	5 0.01000 <	1 AQ	RF	DI	BAB	L70878-002	6/21/2000
778	L70878-002	CG	6/21/2000	1305	1700.00	5 0.01000 <	1 AQ	RF	DI	BAB	L70878-002	6/21/2000
778	L74623-002	CG	9/19/2000	1125	1070.00	5 0.00500	1 AQ	RF	DI	BAB	L74623-002	9/19/2000
778	L74623-002	CG	9/19/2000	1125	1210.00	5 0.01000 <	1 AQ	RF	DI	BAB	L74623-002	9/19/2000
778	L74623-002	CG	9/19/2000	1125	1700.00	5 0.01000 <	1 AQ	RF	DI	BAB	L74623-002	9/19/2000
778	L82825-002	CG	3/29/2001	1300	1070.00	5 0.00500 <	1 AQ	RF	DI	CH	L82825-002	3/29/2001
778	L82825-002	CG	3/29/2001	1300	1210.00	5 0.01000 <	1 AQ	RF	DI	CH	L82825-002	3/29/2001
778	L82825-002	CG	3/29/2001	1300	1700.00	5 0.01000	1 AQ	RF	DI	CH	L82825-002	3/29/2001
778	L85975-002	CG	6/14/2001	1200	1070.00	5 0.00500 <	1 AQ	RF	DI	BAB	L85975-002	6/14/2001
778	L85975-002	CG	6/14/2001	1200	1210.00	5 0.01000 <	1 AQ	RF	DI	BAB	L85975-002	6/14/2001
778	L85975-002	CG	6/14/2001	1200	1700.00	5 0.01000 <	1 AQ	RF	DI	BAB	L85975-002	6/14/2001
778	A3A0749-03	DAVID ORTE	1/17/2003	1300	1070.00	5 0.00500 <	1 AQ	RF	DI	BAB	A3A0749-03	1/17/2003
778	A3A0749-03	DAVID ORTE	1/17/2003	1300	1210.00	5 0.01000 <	1 AQ	RF	DI	BAB	A3A0749-03	1/17/2003
778	A3A0749-03	DAVID ORTE	1/17/2003	1300	1700.00	5 0.01000 <	1 AQ	RF	DI	BAB	A3A0749-03	1/17/2003
778	A3C0634-03	DAVID ORTE	3/13/2003	1225	1070.00	5 0.00500 <	1 AQ	RF	DI	BAB	A3C0634-03	3/13/2003
778	A3C0634-03	DAVID ORTE	3/13/2003	1225	1210.00	5 0.01000 <	1 AQ	RF	DI	BAB	A3C0634-03	3/13/2003
778	A3C0634-03	DAVID ORTE	3/13/2003	1225	1700.00	5 0.01000 <	1 AQ	RF	DI	BAB	A3C0634-03	3/13/2003
778	A3E0873-03	DAVID ORTE	5/20/2003	1010	1070.00	5 0.00500 <	1 AQ	RF	DI	BAB	A3E0873-03	5/20/2003
778	A3E0873-03	DAVID ORTE	5/20/2003	1010	1210.00	5 0.01000 <	1 AQ	RF	DI	BAB	A3E0873-03	5/20/2003
778	A3E0873-03	DAVID ORTE	5/20/2003	1010	1700.00	5 0.01000 <	1 AQ	RF	DI	BAB	A3E0873-03	5/20/2003
778	A3G1119-02	DAVID ORTE	7/24/2003	1135	1070.00	5 0.00500 <	1 AQ	RF	DI	BAB	A3G1119-02	7/24/2003
778	A3G1119-02	DAVID ORTE	7/24/2003	1135	1210.00	5 0.01000 <	1 AQ	RF	DI	BAB	A3G1119-02	7/24/2003
778	A3G1119-02	DAVID ORTE	7/24/2003	1135	1700.00	5 0.01000 <	1 AQ	RF	DI	BAB	A3G1119-02	7/24/2003
778	A3J0857-03	DAVID ORTE	10/10/2003	1230	1070.00	5 0.00500 <	1 AQ	RF	DI	BAB	A3J0857-03	10/10/2003
778	A3J0857-03	DAVID ORTE	10/10/2003	1230	1210.00	5 0.01000 <	1 AQ	RF	DI	BAB	A3J0857-03	10/10/2003
778	A3J0857-03	DAVID ORTE	10/10/2003	1230	1700.00	5 0.01000 <	1 AQ	RF	DI	BAB	A3J0857-03	10/10/2003
778	A4A1986-03	DAVID ORTE	1/29/2004	1230	1070.00	5 0.00610	1 AQ	RF	DI	BAB	A4A1986-03	1/29/2004
778	A4A1986-03	DAVID ORTE	1/29/2004	1230	1210.00	5 0.01000 <	1 AQ	RF	DI	BAB	A4A1986-03	1/29/2004
778	A4A1986-03	DAVID ORTE	1/29/2004	1230	1700.00	5 0.01000 <	1 AQ	RF	DI	BAB	A4A1986-03	1/29/2004
778	A4D0064-03	DAVID ORTE	4/1/2004	1250	1070.00	5 0.00500 <	1 AQ	RF	DI	BAB	A4D0064-03	4/1/2004
778	A4D0064-03	DAVID ORTE	4/1/2004	1250	1210.00	5 0.01000 <	1 AQ	RF	DI	BAB	A4D0064-03	4/1/2004
778	A4D0064-03	DAVID ORTE	4/1/2004	1250	1700.00	5 0.01000 <	1 AQ	RF	DI	BAB	A4D0064-03	4/1/2004
778	A4G1131-03	DAVID ORTE	7/14/2004	1340	1070.00	5 0.00710	1 AQ	RF	DI	BAB	A4G1131-03	7/14/2004
778	A4G1131-03	DAVID ORTE	7/14/2004	1340	1210.00	5 0.01000 <	1 AQ	RF	DI	BAB	A4G1131-03	7/14/2004
778	A4G1131-03	DAVID ORTE	7/14/2004	1340	1700.00	5 0.01000 <	1 AQ	RF	DI	BAB	A4G1131-03	7/14/2004
778	A4J0423-02	DAVID ORTE	10/6/2004	1045	1210.00	5 0.00180	1 AQ	RF	DI	BAB	A4J0423-02	10/6/2004
778	A4J0423-02	DAVID ORTE	10/6/2004	1045	1700.00	5 0.00130	1 AQ	RF	DI	BAB	A4J0423-02	10/6/2004
778	A4J1846-01	ARLENE CHU	10/20/2004	1040	1070.00	5 0.00560	1 AQ	RF	DI	BAB	A4J1846-01	10/20/2004
778	A4J1846-01	ARLENE CHU	10/20/2004	1040	1210.00	5 0.03700	1 AQ	RF	DI	BAB	A4J1846-01	10/20/2004
778	A4J1846-01	ARLENE CHU	10/20/2004	1040	1700.00	5 0.14000	1 AQ	RF	DI	BAB	A4J1846-01	10/20/2004
778	A4L2539-01	ARLENE CHU	12/28/2004	1250	1210.00	5 0.03600	1 AQ	RF	DI	BAB	A4L2539-01	12/28/2004
778	A4L2539-01	ARLENE CHU	12/28/2004	1250	1700.00	5 0.19000	1 AQ	RF	DI	BAB	A4L2539-01	12/28/2004
778	A5B1124-01	AC/RM	2/11/2005	1120	1210.00	5 0.01300	1 AQ	RF	DI	BAB	A5B1124-01	2/11/2005
778	A5B1124-01	AC/RM	2/11/2005	1120	1700.00	5 0.04000	1 AQ	RF	DI	BAB	A5B1124-01	2/11/2005
778	A5E0991-01	DAVID ORTE	5/11/2005	810	1210.00	5 0.00460	1 AQ	RF	DI	BAB	A5E0991-01	5/11/2005
778	A5E0991-01	DAVID ORTE	5/11/2005	810	1700.00	5 0.00330	1 AQ	RF	DI	BAB	A5E0991-01	5/11/2005

ANALYTENAME	ANALYTE_CODE	FRACTION	MATRIX	SAMPLEDATE	SAMPLETIME	SAMPLETYPE	SAMPLEDEPTH M	FIELD_SAMPLE_ID	LAB_SAMPLEID	LAB_RESULT	RESULT_UNITS	LAB_RESQ_UALCODE	LAB_RL	STATIONNAME_DESCRIPTION	EVENTTYPE	LOCALWATERSHED
Zinc	1700.00	Total	samplewater	4/22/1998	12:50	Grab	0.15	934	L40868-	0.01000	mg/L			Murrieta Creek	WaterChem	Santa Margarita River
Arsenic	1070.00	Total	samplewater	6/17/1998	13:00	Grab	0.15	935	L42877-	0.00500	mg/L	<	0.00500	Murrieta Creek	WaterChem	Santa Margarita River
Copper	1210.00	Total	samplewater	6/17/1998	13:00	Grab	0.15	935	L42877-	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	6/17/1998	13:00	Grab	0.15	935	L42877-	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Arsenic	1070.00	Total	samplewater	9/23/1998	15:00	Grab	0.15	L46324-004	L46324-	0.00500	mg/L	<	0.00500	Murrieta Creek	WaterChem	Santa Margarita River
Copper	1210.00	Total	samplewater	9/23/1998	15:00	Grab	0.15	L46324-004	L46324-	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	9/23/1998	15:00	Grab	0.15	L46324-004	L46324-	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Arsenic	1070.00	Total	samplewater	1/6/1999	14:30	Grab	0.15	L49967-001	L49967-	0.00500	mg/L	<	0.00500	Murrieta Creek	WaterChem	Santa Margarita River
Copper	1210.00	Total	samplewater	1/6/1999	14:30	Grab	0.15	L49967-001	L49967-	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	1/6/1999	14:30	Grab	0.15	L49967-001	L49967-	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Arsenic	1070.00	Total	samplewater	4/15/1999	13:00	Grab	0.15	L53847-002	L53847-	0.00500	mg/L	<	0.00500	Murrieta Creek	WaterChem	Santa Margarita River
Copper	1210.00	Total	samplewater	4/15/1999	13:00	Grab	0.15	L53847-002	L53847-	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	4/15/1999	13:00	Grab	0.15	L53847-002	L53847-	0.02000	mg/L			Murrieta Creek	WaterChem	Santa Margarita River
Arsenic	1070.00	Total	samplewater	8/11/1999	08:30	Grab	0.15	L58414-003	L58414-	0.00500	mg/L	<	0.00500	Murrieta Creek	WaterChem	Santa Margarita River
Copper	1210.00	Total	samplewater	8/11/1999	08:30	Grab	0.15	L58414-003	L58414-	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	8/11/1999	08:30	Grab	0.15	L58414-003	L58414-	0.02000	mg/L			Murrieta Creek	WaterChem	Santa Margarita River
Arsenic	1070.00	Total	samplewater	9/23/1999	09:15	Grab	0.15	L60022-001	L60022-	0.00500	mg/L	<	0.00500	Murrieta Creek	WaterChem	Santa Margarita River
Copper	1210.00	Total	samplewater	9/23/1999	09:15	Grab	0.15	L60022-001	L60022-	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	9/23/1999	09:15	Grab	0.15	L60022-001	L60022-	4.00000	mg/L			Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	9/23/1999	09:15	Grab	0.15	L60022-001	L60022-	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Arsenic	1070.00	Total	samplewater	2/23/2000	14:15	Grab	0.15	L66061-003	L66061-	0.00500	mg/L	<	0.00500	Murrieta Creek	WaterChem	Santa Margarita River
Copper	1210.00	Total	samplewater	2/23/2000	14:15	Grab	0.15	L66061-003	L66061-	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	2/23/2000	14:15	Grab	0.15	L66061-003	L66061-	0.08000	mg/L			Murrieta Creek	WaterChem	Santa Margarita River
Arsenic	1070.00	Total	samplewater	4/13/2000	11:00	Grab	0.15	L68142-002	L68142-	0.00500	mg/L	<	0.00500	Murrieta Creek	WaterChem	Santa Margarita River
Copper	1210.00	Total	samplewater	4/13/2000	11:00	Grab	0.15	L68142-002	L68142-	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	4/13/2000	11:00	Grab	0.15	L68142-002	L68142-	0.01000	mg/L			Murrieta Creek	WaterChem	Santa Margarita River
Arsenic	1070.00	Total	samplewater	6/21/2000	13:05	Grab	0.15	L70878-002	L70878-	0.00500	mg/L	<	0.00500	Murrieta Creek	WaterChem	Santa Margarita River
Copper	1210.00	Total	samplewater	6/21/2000	13:05	Grab	0.15	L70878-002	L70878-	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	6/21/2000	13:05	Grab	0.15	L70878-002	L70878-	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Arsenic	1070.00	Total	samplewater	9/19/2000	11:25	Grab	0.15	L74623-002	L74623-	0.00500	mg/L	<	0.00500	Murrieta Creek	WaterChem	Santa Margarita River
Copper	1210.00	Total	samplewater	9/19/2000	11:25	Grab	0.15	L74623-002	L74623-	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	9/19/2000	11:25	Grab	0.15	L74623-002	L74623-	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Arsenic	1070.00	Total	samplewater	3/29/2001	13:00	Grab	0.15	L82825-002	L82825-	0.00500	mg/L	<	0.00500	Murrieta Creek	WaterChem	Santa Margarita River
Copper	1210.00	Total	samplewater	3/29/2001	13:00	Grab	0.15	L82825-002	L82825-	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	3/29/2001	13:00	Grab	0.15	L82825-002	L82825-	0.01000	mg/L			Murrieta Creek	WaterChem	Santa Margarita River
Arsenic	1070.00	Total	samplewater	6/14/2001	12:00	Grab	0.15	L85975-002	L85975-	0.00500	mg/L	<	0.00500	Murrieta Creek	WaterChem	Santa Margarita River
Copper	1210.00	Total	samplewater	6/14/2001	12:00	Grab	0.15	L85975-002	L85975-	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	6/14/2001	12:00	Grab	0.15	L85975-002	L85975-	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Arsenic	1070.00	Total	samplewater	1/17/2003	13:00	Grab	0.15	A3A0749-03	A3A0749	0.00500	mg/L	<	0.00500	Murrieta Creek	WaterChem	Santa Margarita River
Copper	1210.00	Total	samplewater	1/17/2003	13:00	Grab	0.15	A3A0749-03	A3A0749	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	1/17/2003	13:00	Grab	0.15	A3A0749-03	A3A0749	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Arsenic	1070.00	Total	samplewater	3/13/2003	12:25	Grab	0.15	A3C0634-03	A3C0634	0.00500	mg/L	<	0.00500	Murrieta Creek	WaterChem	Santa Margarita River
Copper	1210.00	Total	samplewater	3/13/2003	12:25	Grab	0.15	A3C0634-03	A3C0634	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	3/13/2003	12:25	Grab	0.15	A3C0634-03	A3C0634	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Arsenic	1070.00	Total	samplewater	5/20/2003	10:10	Grab	0.15	A3E0873-03	A3E0873	0.00500	mg/L	<	0.00500	Murrieta Creek	WaterChem	Santa Margarita River
Copper	1210.00	Total	samplewater	5/20/2003	10:10	Grab	0.15	A3E0873-03	A3E0873	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	5/20/2003	10:10	Grab	0.15	A3E0873-03	A3E0873	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Arsenic	1070.00	Total	samplewater	7/24/2003	11:35	Grab	0.15	A3G1119-02	A3G1119	0.00500	mg/L	<	0.00500	Murrieta Creek	WaterChem	Santa Margarita River
Copper	1210.00	Total	samplewater	7/24/2003	11:35	Grab	0.15	A3G1119-02	A3G1119	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	7/24/2003	11:35	Grab	0.15	A3G1119-02	A3G1119	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Arsenic	1070.00	Total	samplewater	10/10/2003	12:30	Grab	0.15	A3J0857-03	A3J0857	0.00500	mg/L	<	0.00500	Murrieta Creek	WaterChem	Santa Margarita River
Copper	1210.00	Total	samplewater	10/10/2003	12:30	Grab	0.15	A3J0857-03	A3J0857	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	10/10/2003	12:30	Grab	0.15	A3J0857-03	A3J0857	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River

ANALYTENAME	ANALYTE CODE	FRACTION	MATRIX	SAMPLEDATE	SAMPLETIME	SAMPLETYPE	SAMPLEDEPTH M	FIELD SAMPLE ID	LAB SAMPLE ID	LAB RESULT	RESULT UNITS	LAB RESQUALCODE	LAB RL	STATIONNAME DESCRIPTION	EVENTTYPE	LOCALWATERSHED
Arsenic	1070.00	Total	samplewater	1/29/2004	12:30	Grab	0.15	A4A1986-03	A4A1986	0.00610	mg/L			Murrieta Creek	WaterChem	Santa Margarita River
Copper	1210.00	Total	samplewater	1/29/2004	12:30	Grab	0.15	A4A1986-03	A4A1986	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	1/29/2004	12:30	Grab	0.15	A4A1986-03	A4A1986	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Arsenic	1070.00	Total	samplewater	4/1/2004	12:50	Grab	0.15	A4D0064-03	A4D0064	0.00500	mg/L	<	0.00500	Murrieta Creek	WaterChem	Santa Margarita River
Copper	1210.00	Total	samplewater	4/1/2004	12:50	Grab	0.15	A4D0064-03	A4D0064	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	4/1/2004	12:50	Grab	0.15	A4D0064-03	A4D0064	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Arsenic	1070.00	Total	samplewater	7/14/2004	13:40	Grab	0.15	A4G1131-03	A4G113	0.00710	mg/L			Murrieta Creek	WaterChem	Santa Margarita River
Copper	1210.00	Total	samplewater	7/14/2004	13:40	Grab	0.15	A4G1131-03	A4G113	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	7/14/2004	13:40	Grab	0.15	A4G1131-03	A4G113	0.01000	mg/L	<	0.01000	Murrieta Creek	WaterChem	Santa Margarita River
Copper	1210.00	Total	samplewater	10/6/2004	10:45	Grab	0.15	A4J0423-02	A4J0423	0.00180	mg/L			Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	10/6/2004	10:45	Grab	0.15	A4J0423-02	A4J0423	0.00130	mg/L			Murrieta Creek	WaterChem	Santa Margarita River
Arsenic	1070.00	Total	samplewater	10/20/2004	10:40	Integrated	0.15	A4J1846-01	A4J1846	0.00560	mg/L			Murrieta Creek	WaterTox_Chem	Santa Margarita River
Copper	1210.00	Total	samplewater	10/20/2004	10:40	Integrated	0.15	A4J1846-01	A4J1846	0.03700	mg/L			Murrieta Creek	WaterTox_Chem	Santa Margarita River
Zinc	1700.00	Total	samplewater	10/20/2004	10:40	Integrated	0.15	A4J1846-01	A4J1846	0.14000	mg/L			Murrieta Creek	WaterTox_Chem	Santa Margarita River
Copper	1210.00	Total	samplewater	12/28/2004	12:50	Integrated	0.15	A4L2539-01	A4L2539	0.03600	mg/L			Murrieta Creek	WaterTox_Chem	Santa Margarita River
Zinc	1700.00	Total	samplewater	12/28/2004	12:50	Integrated	0.15	A4L2539-01	A4L2539	0.19000	mg/L			Murrieta Creek	WaterTox_Chem	Santa Margarita River
Copper	1210.00	Total	samplewater	2/11/2005	11:20	Integrated	0.15	A5B1124-01	A5B1124	0.01300	mg/L			Murrieta Creek	WaterTox_Chem	Santa Margarita River
Zinc	1700.00	Total	samplewater	2/11/2005	11:20	Integrated	0.15	A5B1124-01	A5B1124	0.04000	mg/L			Murrieta Creek	WaterTox_Chem	Santa Margarita River
Copper	1210.00	Total	samplewater	5/11/2005	08:10	Grab	0.15	A5E0991-01	A5E0991	0.00460	mg/L			Murrieta Creek	WaterChem	Santa Margarita River
Zinc	1700.00	Total	samplewater	5/11/2005	08:10	Grab	0.15	A5E0991-01	A5E0991	0.00330	mg/L			Murrieta Creek	WaterChem	Santa Margarita River