

Arizona  
Department of  
Health Services

## ENVIRONMENTAL LABORATORY LICENSE

Issued to:

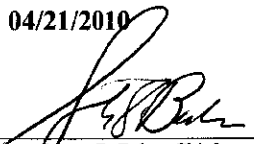
Laboratory Director: John R. Keru  
Owner/Representative: Wayne R. Sorensen

*SVL Analytical, Inc.*  
*AZ0538*

is in compliance with Environmental Laboratory's applicable standards for the State of Arizona and maintains on file a List of Parameters for which the laboratory is certified to perform analysis.

PERIOD OF LICENSURE FROM: 04/22/2009 TO: 04/21/2010



  
Steven D. Baker, Chief  
Office of Laboratory Services  
Bureau of State Laboratory Services

**Arizona Department of Health Services  
Office of Laboratory Licensure, Certification & Training  
250 North 17th Avenue, Phoenix, AZ 85007**

Monday, March 9 2009

**Z License: AZ0538**

**Lab Name: SVL Analytical, Inc.**

**Lab Director: Mr. John R. Kern**

**Phone: (208) 784-1258**

**Fax: (208) 783-0891**

Program	HW	Parameter	EPA Method	Billing Code	Cert Date
		Aluminum	EPA 6010B	MTL3	09/29/98
		Antimony	EPA 6010B	MTL3	09/29/98
		Antimony	EPA 6020	MTL7	01/10/07
		Arsenic	EPA 6010B	MTL3	09/29/98
		Arsenic	EPA 6020	MTL7	01/10/07
		Barium	EPA 6010B	MTL3	09/29/98
		Barium	EPA 6020	MTL7	01/10/07
		Beryllium	EPA 6010B	MTL3	09/29/98
		Beryllium	EPA 6020	MTL7	01/10/07
		Boron	EPA 6010B	MTL3	04/24/03
		Cadmium	EPA 6010B	MTL3	09/29/98
		Cadmium	EPA 6020	MTL7	01/10/07
		Calcium	EPA 6010B	MTL3	09/29/98
		Cation-Exchange Capacity Of Soil	EPA 9080	MISC23	12/05/06
		Cation-Exchange Capacity Of Soil	EPA 9081	MISC23	12/08/97
		Chromium, Total	EPA 6010B	MTL3	09/29/98
		Chromium, Total	EPA 6020	MTL7	01/10/07
		Cobalt	EPA 6010B	MTL3	09/29/98
		Cobalt	EPA 6020	MTL7	01/10/07
		Copper	EPA 6010B	MTL3	09/29/98
		Copper	EPA 6020	MTL7	01/10/07
		Cyanide	EPA 9012B	MISC7	12/05/06
		Dissolved In Water	EPA 3005A	PREP1	12/05/06
		Hydrogen Ion (Ph)	EPA 9045D	NIA6	12/05/06
		Ignitability (Flash Point)	EPA 1010A	HAZ2	12/05/06
		Iron	EPA 6010B	MTL3	09/29/98
		Lead	EPA 6010B	MTL3	09/29/98
		Lead	EPA 6020	MTL7	01/10/07
		Lithium	EPA 6010B	MTL3	09/29/98
		Magnesium	EPA 6010B	MTL3	09/29/98
		Manganese	EPA 6010B	MTL3	09/29/98
		Manganese	EPA 6020	MTL7	01/10/07
		Mercury	EPA 7470A	MTL5	02/15/00
		Mercury	EPA 7471A	MTL5	03/28/96
		Molybdenum	EPA 6010B	MTL3	09/29/98
		Nickel	EPA 6010B	MTL3	09/29/98
		Nickel	EPA 6020	MTL7	01/10/07
		Phosphorus	EPA 6010B	MTL3	04/24/03
		Potassium	EPA 6010B	MTL3	09/29/98

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<b>Program</b>	<b>HW</b>			
	<b>Parameter</b>	<b>EPA Method</b>	<b>Billing Code</b>	<b>Cert Date</b>
	Sediments, Sludges And Soils	EPA 3050B	PREP1	12/05/06
	Selenium	EPA 6010B	MTL3	09/29/98
	Silica	EPA 6010B	MTL3	04/24/03
	Silver	EPA 6010B	MTL3	09/29/98
	Silver	EPA 6020	MTL7	01/10/07
	Sodium	EPA 6010B	MTL3	09/29/98
	SpP	EPA 1312	HAZ6	10/30/97
	Strontium	EPA 6010B	MTL3	09/29/98
	Tcp	EPA 1311	HAZ5	03/28/96
	Thallium	EPA 6010B	MTL3	09/29/98
	Thallium	EPA 6020	MTL7	01/10/07
	Tin	EPA 6010B	MTL3	09/29/98
	Titanium	EPA 6010B	MTL3	04/24/03
	Total Metals	EPA 3010A	PREP1	12/05/06
	Total Metals	EPA 3020A	PREP1	06/24/08
	Total Recoverable In Water	EPA 3005A	PREP1	12/05/06
	Vanadium	EPA 6010B	MTL3	09/29/98
	Zinc	EPA 6010B	MTL3	09/29/98
	Zinc	EPA 6020	MTL7	01/10/07

Total Licensed Parameters in this Program: 58

<b>Program</b>	<b>SDW</b>			
	<b>Parameter</b>	<b>EPA Method</b>	<b>Billing Code</b>	<b>Cert Date</b>
	Alkalinity	SM 2320B	NIA1	03/28/96
	Aluminum	EPA 200.7	MTL3	02/15/00
	Antimony	EPA 200.8	MTL7	12/29/04
	Arsenic	EPA 200.8	MTL7	12/29/04
	Barium	EPA 200.7	MTL3	03/28/96
	Barium	EPA 200.8	MTL7	12/29/04
	Beryllium	EPA 200.7	MTL3	09/29/98
	Beryllium	EPA 200.8	MTL7	12/29/04
	Bromide	EPA 300.0	NIIIA1	02/24/06
	Cadmium	EPA 200.7	MTL3	04/23/02
	Cadmium	EPA 200.8	MTL7	12/29/04
	Calcium	EPA 200.7	MTL3	03/28/96
	Carbon, Total Organic	SM 5310B	MISC1	04/24/03
	Chloride	EPA 300.0	NIIIA1	03/28/96
	Chromium Total	EPA 200.7	MTL3	03/28/96
	Chromium Total	EPA 200.8	MTL7	07/26/05
	Color	SM 2120B	NIA4	02/19/08
	Copper	EPA 200.7	MTL3	03/28/96

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<b>Program</b>	<b>SDW</b>			
	<b>Parameter</b>	<b>EPA Method</b>	<b>Billing Code</b>	<b>Cert Date</b>
	Copper	EPA 200.8	MTL7	07/26/05
	Corrosivity	SM 2330B	NIA5	02/15/00
	Cyanide	EPA 335.4	MISC7	09/29/98
	Fluoride	EPA 300.0	NIIIA1	03/30/96
	Hardness	EPA 200.7 CA&MG	MTL3	02/24/06
	Hardness	SM 2340B	MTL3	12/05/06
	Hydrogen Ion (Ph)	SM 4500-H B	NIA6	12/05/06
	Iron	EPA 200.7	MTL3	03/28/96
	Lead	EPA 200.8	MTL7	12/29/04
	Magnesium	EPA 200.7	MTL3	02/15/00
	Manganese	EPA 200.7	MTL3	03/28/96
	Manganese	EPA 200.8	MTL7	12/29/04
	Mercury	EPA 245.1	MTL5	03/28/96
	Nickel	EPA 200.7	MTL3	09/29/98
	Nickel	EPA 200.8	MTL7	12/29/04
	Nitrate	EPA 300.0	NIIIA1	03/28/96
	Nitrate	EPA 353.2	NIB1	04/10/01
	Nitrite	EPA 300.0	NIIIA1	09/29/98
	Nitrite	EPA 353.2	NIIB4	04/10/01
	Odor	SM 2150B	NIA13	02/19/08
	Orthophosphate	SM 4500-P E	NIIB5	04/23/02
	Residue, Filterable (Tds)	SM 2540C	NIIA8	09/29/98
	Selenium	EPA 200.8	MTL7	12/29/04
	Silica	EPA 200.7	MTL3	02/15/00
	Silver	EPA 200.7	MTL3	03/28/96
	Silver	EPA 200.8	MTL7	12/29/04
	Sodium	EPA 200.7	MTL3	09/29/98
	Specific Conductance	SM 2510B	NIA7	12/05/06
	Strontium	EPA 200.7	MTL3	03/28/96
	Sulfate	EPA 300.0	NIIIA1	03/28/96
	Surfactant (Mbas)	SM 5540C	NIIA3	02/15/08
	Thallium	EPA 200.8	MTL7	12/29/04
	Turbidity, Ntu: Nephelometric	EPA 180.1	NIA9	03/28/96
	Uranium	EPA 200.8	MTL7	11/01/05
	Zinc	EPA 200.7	MTL3	03/28/96
	Zinc	EPA 200.8	MTL7	12/29/04

Total Licensed Parameters in this Program: 54

<b>Program</b>	<b>WW</b>			
	<b>Parameter</b>	<b>EPA Method</b>	<b>Billing Code</b>	<b>Cert Date</b>
	Acidity	SM 2310B	NIIA1	03/28/96

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		Alkalinity, Total	SM 2320B	NIA1	03/28/96
		Aluminum	EPA 200.7	MTL3	03/28/96
		Ammonia	EPA 350.1	NIIB1	04/10/01
		Antimony	EPA 200.7	MTL3	03/28/96
		Antimony	EPA 200.8	MTL7	12/29/04
		Arsenic	EPA 200.7	MTL3	03/28/96
		Arsenic	EPA 200.8	MTL7	12/29/04
		Barium	EPA 200.7	MTL3	03/28/96
		Barium	EPA 200.8	MTL7	12/29/04
		Beryllium	EPA 200.7	MTL3	03/28/96
		Beryllium	EPA 200.8	MTL7	12/29/04
		Boron	EPA 200.7	MTL3	03/28/96
		Bromide	EPA 300.0	NIIA1	03/11/05
		Cadmium	EPA 200.7	MTL3	03/28/96
		Cadmium	EPA 200.8	MTL7	12/29/04
		Calcium	EPA 200.7	MTL3	03/28/96
		Chemical Oxygen Demand	EPA 410.4	DEM3	12/05/06
		Chloride	EPA 300.0	NIIA1	03/28/96
		Chromium Total	EPA 200.7	MTL3	03/28/96
		Chromium Total	EPA 200.8	MTL7	12/29/04
		Chromium, Hexavalent	SM 3500-CR D	MTL8	12/05/06
		Cobalt	EPA 200.7	MTL3	03/28/96
		Cobalt	EPA 200.8	MTL7	12/29/04
		Color	SM 2120B	NIA4	12/29/06
		Copper	EPA 200.7	MTL3	03/28/96
		Copper	EPA 200.8	MTL7	12/29/04
		Cyanide, Available	OIA-1677	MISC7	03/25/04
		Fluoride	EPA 300.0	NIIA1	12/11/97
		Gold	EPA 231.2	MTL2	02/15/00
		Hardness	SM 2340B	NIA5	03/20/07
		Hydrogen Ion (Ph)	SM 4500-H B	NIA6	12/05/06
		Iron	EPA 200.7	MTL3	03/28/96
		Kjeldahl Nitrogen	EPA 351.2	NIIB3	03/20/07
		Lead	EPA 200.7	MTL3	03/28/96
		Lead	EPA 200.8	MTL7	12/29/04
		Lithium	EPA 200.7	MTL3	04/23/03
		Magnesium	EPA 200.7	MTL3	07/10/96
		Manganese	EPA 200.7	MTL3	03/28/96
		Manganese	EPA 200.8	MTL7	12/29/04
		Mercury	EPA 245.1	MTL5	03/28/96
		Molybdenum	EPA 200.7	MTL3	03/28/96

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Program	WW	Parameter	EPA Method	Billing Code	Cert Date
		Molybdenum	EPA 200.8	MTL7	12/29/04
		Nickel	EPA 200.7	MTL3	03/28/96
		Nickel	EPA 200.8	MTL7	12/29/04
		Nitrate (As N)	EPA 300.0	NIIIA1	03/28/96
		Nitrate-Nitrite (As N)	EPA 300	NIIIA1	02/19/08
		Nitrate-Nitrite (As N)	EPA 353.2	NIB1	04/23/02
		Nitrite (As N)	EPA 300.0	NIIIA1	03/28/96
		Orthophosphate	EPA 300.0	NIIIA1	12/05/06
		Orthophosphate	SM 4500-P E	NIIB5	04/23/02
		Phosphorus Total	SM 4500-P E	NIIB6	12/05/06
		Potassium	EPA 200.7	MTL3	03/28/96
		Residue Filterable	SM 2540 C	NIA8	09/29/98
		Residue Nonfilterable	SM 2540D	NIIA5	12/05/06
		Residue Total	SM 2540B	NIIA4	03/20/07
		Residue Volatile	EPA 160.4	NIIA7	04/10/01
		Selenium	EPA 200.7	MTL3	03/28/96
		Selenium	EPA 200.8	MTL7	12/29/04
		Silica, Dissolved	EPA 200.7	MTL3	03/28/96
		Silver	EPA 200.7	MTL3	03/28/96
		Silver	EPA 200.8	MTL7	12/05/04
		Sodium	EPA 200.7	MTL3	03/06/97
		Specific Conductance	EPA 120.1	NIA7	03/28/96
		Strontium	EPA 200.7	MTL3	03/28/96
		Sulfate	EPA 300.0	NIIIA1	03/28/96
		Sulfide	SM 4500-S F	MISC33	12/05/06
		Thallium	EPA 200.7	MTL3	03/28/96
		Thallium	EPA 200.8	MTL7	12/29/04
		Tin	EPA 200.7	MTL3	03/28/96
		Total Organic Carbon	SM 5310B	MISC1	12/05/06
		Turbidity	EPA 180.1	NIA9	03/23/98
		Vanadium	EPA 200.7	MTL3	03/06/97
		Vanadium	EPA 200.8	MTL7	12/29/04
		Zinc	EPA 200.7	MTL3	02/15/00
		Zinc	EPA 200.8	MTL7	12/29/04

Total Licensed Parameters in this Program: 76

Instruments	Quantity	Date
INDUCTIVELY COUPLED PLASMA SPECTROMETER	4	03/20/07
ION CHROMATOGRAPH	3	03/30/96
AUTOMATED AUTOANALYZER	3	03/03/09