



ENVIRONMENTAL LABORATORY LICENSE

Issued to:

Laboratory Director: Scott Hallenbeck
Owner/Representative: Andy Freeman

***Hall Environmental Analysis Laboratory,
AZ0682***

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: 10/20/2009 TO: 10/19/2010



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**

Thursday, August 6 2009

AZ License: AZ0682

Lab Name: Hall Environmental Analysis Laboratory,

Lab Director: Mr. Scott Hallenbeck

Phone: (505) 345-3975

Fax: (505) 345-4107

Program		HW		
Parameter	EPA Method	Billing Code	Cert Date	
Aluminum	EPA 6010B	MTL3	10/20/05	
Aromatic & Halogenated Vocs	EPA 8021B	VOC1	10/20/05	
Arsenic	EPA 6010B	MTL3	10/20/05	
Barium	EPA 6010B	MTL3	10/20/05	
Beryllium	EPA 6010B	MTL3	10/20/05	
C10-C32 Hydrocarbons	8015AZ1	VOC4	03/21/07	
Cadmium	EPA 6010B	MTL3	10/20/05	
Calcium	EPA 6010B	MTL3	10/20/05	
Chromium, Total	EPA 6010B	MTL3	10/20/05	
Closed System Purge And Trap Extract. Vocs	EPA 5035A	PREP2	12/05/06	
Copper	EPA 6010B	MTL3	10/20/05	
Dissolved In Water	EPA 3005A	PREP1	08/21/08	
Iron	EPA 6010B	MTL3	10/20/05	
Lead	EPA 6010B	MTL3	10/20/05	
Magnesium	EPA 6010B	MTL3	10/20/05	
Manganese	EPA 6010B	MTL3	10/20/05	
Mercury	EPA 7470A	MTL5	10/20/05	
Mercury	EPA 7471A	MTL5	10/20/05	
Nickel	EPA 6010B	MTL3	10/20/05	
Nonhalogenated Volatile Organics	EPA 8015B	VOC3	10/20/05	
Paahs	EPA 8310	SOC13	03/21/07	
Pcbs By Gc	EPA 8082	SOC9	03/21/07	
Potassium	EPA 6010B	MTL3	10/20/05	
Pressurized Fluid Extraction	EPA 3545	PREP2	12/05/06	
Purge And Trap For Aqueous Samples	EPA 5030C	PREP2	12/05/06	
Sediments, Sludges And Soils	EPA 3050B	PREP1	06/05/07	
Selenium	EPA 6010B	MTL3	09/06/06	
Semivolatile Compounds By Gc/Ms	EPA 8270C	SOC16	07/26/07	
Separatory Funnel Liquid-Liquid Extraction	EPA 3510C	PREP2	06/05/07	
Silver	EPA 6010B	MTL3	10/20/05	
Sodium	EPA 6010B	MTL3	10/20/05	
Vocs By Gc/Ms	EPA 8260B	VOC8	10/20/05	
Zinc	EPA 6010B	MTL3	10/20/05	
Total Licensed Parameters in this Program:		33		

Program		SDW		
Parameter	EPA Method	Billing Code	Cert Date	
Alkalinity	SM 2320B	NIA1	02/26/08	
Edb And Dbcp	EPA 504.1	SOC5	06/20/08	

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Program SDW			
Parameter	EPA Method	Billing Code	Cert Date
Edb And DbcP - Additional	EPA 504.1	SOC34	06/20/08
Total Licensed Parameters in this Program: 3			

Program WW			
Parameter	EPA Method	Billing Code	Cert Date
Alkalinity, Total	SM 2320B	NIA1	07/26/07
Chloride	EPA 300.0	NIIIA1	07/26/07
Fluoride	EPA 300.0	NIIIA1	07/26/07
Nitrate (As N)	EPA 300.0	NIIIA1	07/26/07
Nitrite (As N)	EPA 300.0	NIIIA1	07/26/07
Orthophosphate	EPA 300.0	NIIIA1	07/26/07
Residue, Filterable	SM 2540C	NIA8	07/26/07
Specific Conductance	EPA 120.1	NIA7	02/27/09
Sulfate	EPA 300.0	NIIIA1	07/26/07
Total Licensed Parameters in this Program: 9			

Instruments	Quantity	Date
GAS CHROMATOGRAPH/MASS SPECTROMETER	3	08/11/08
GAS CHROMATOGRAPH	2	09/06/06
HIGH PERFORMANCE LIQUID CHROMATOGRAPH	2	08/11/08
ION CHROMATOGRAPH	2	08/11/08
MERCURY ANALYZER	1	08/11/05
INDUCTIVELY COUPLED PLASMA SPECTROMETER	1	08/11/05

Softwares
VARIAN STAR - GCMS
PERKIN ELMER - ICP
VARIAN GALAXIE AND CUSTOM WRITTEN-GC