



B&P Laboratories, Inc.
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B&P Laboratories, Inc. Solutions for Environment Since 1973

B&P Labs uses state-of-the-art analysis to ensure fast and accurate results

B&P Laboratories, Inc.



Solutions for Environment

Since 1973



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*About
Us*



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- B&P Laboratories, Inc. is a full-service environmental analytical testing laboratory operating to serve you.
- Certified by the Washington State Department of Ecology for a wide range of environmental analyses.
- B&P Labs offer a range of services and consulting to help your business maintain compliance.
- B&P Labs, dedicated to Quality, serving the Seattle area since its incorporation in 1973.
- At B&P Labs we help keep your production on-line with the latest federal, state and local regulations.

- B&P Labs will provide you with the tools and information you need to operate your process “in control” and effectively.
- B&P Labs has the talent, experience, training and equipment to provide the quality laboratory services your business needs.
- We offer a wide range of services tailored to our clients’ needs.
- B&P Labs helps our clients maintain and demonstrate their products quality control by applying quality control and quality assurance principle.
 - Expert analysis Accurate and on-time results.
 - Fast Turnaround, Accurate Results, Full-service.
 - Quality Assurance and Quality Control Policy.

Laboratory Services

General Wet Chemistry

- Our team has extensive experience in the analysis of water, wastewater, soil and sediment for a full range of analytes.
- All general inorganic analyses are performed in accordance with federal EPA and state guidelines and the requirements of the National Pollutant Discharge Elimination System (NPDES).



Tankline & Chemical Analysis

- Metal Plating Solutions: Copper, Nickel, Chrome, Zinc, Gold, Cadmium, Brass, Tin, Tin-Lead, & Silver.
- Anodize Solutions: Boric-Sulfuric, Sulfuric, and Chromic.
- Chemical Conversion Coating: Alodine, Iridite & Trivalent Oakite.
- Cleaners, Deoxidizers, Etches, Seals & Passivation Solutions.
- Analysis of Penetrant Inspection Oil for % Brightness, % Water, and Removability.



Wastewater/Stormwater Analysis

- Testing for Trace Metals.
- Fats, Oil and Grease Analysis.
- Total Dissolved Solids.
- Total Suspended Solids.
- Turbidity, Oil Sheen and pH.
- Cyanide Content Analysis.
- Total Petroleum Hydrocarbons.
- Seawater chemical analysis.



Soils, Sediment, Sludge/Hazardous waste

- TCLP – Extraction.
- Metals Analysis.
- Testing for Lead Contamination.
- Wastewater & sludge for Metro. sewer discharge.
- Inorganic Contaminants Testing.
- Waste Characterization.
- Sediment Characterization/Testing.



Materials Testing – ASTM/BAC 5402

- Product Cleanliness Levels.
- Non Volatile Residue (NVR)/Particulate.
- Coating Weights & Thicknesses.
- Salt Spray Testing.
- Wet and Dry Tape Adhesion Analysis.
- Electrical Resistivity/Viscosity.



Asbestos and Lead

- Asbestos and Lead In Bulk Building Materials.
- Paint Chips.
- Soil/Sediment.
- Dust.
- Wastewater.



B&P Laboratories, Inc.

Keeping our customers happy and well served for over 45 years



Dedicated to Quality Since 1973

Serving the Seattle area for more than 45 years, B&P Laboratories, Inc. is a full-service analytical testing laboratory. We're certified by the State of Washington Department of Ecology for a wide range of water, solution, metallurgical, organic, and compound testing, and we offer a range of services to help your business maintain compliance with changing standards.

B&P Labs was founded on a single goal: to meet the needs of our local community. Our experienced lab techs are dedicated to providing quality service.

Contact us to learn how we can help make sure your products and solutions comply with Washington State standards and keep your business running at peak efficiency.

Fast, Accurate, Full-Service

At B&P Labs, our goal is to keep your products up-to-date with the latest Washington State regulations and to provide you with the tools and information you need to operate efficiently. B&P has the experience, training, and equipment to provide the fast, accurate laboratory services your business needs.

We offer a wide range of services tailored to our clients' needs, and our master recall system helps our clients maintain quality control and assurance throughout the year.

...dedicated to solving your problems and helping you maintain quality in your products.

We have partnered with Seattle companies for the last four decades to insure that their solutions, water and products are compliant with Washington State standards.



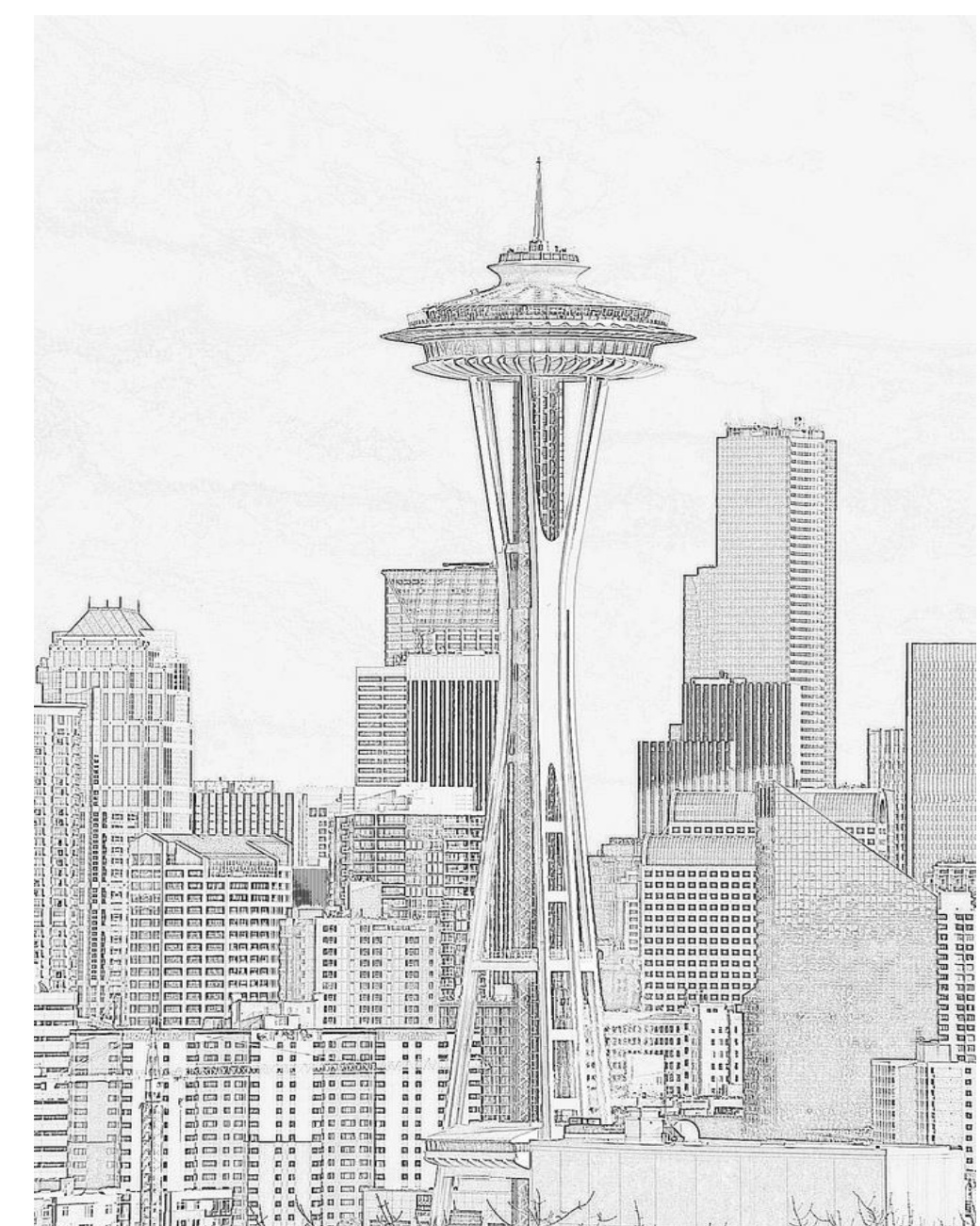
Department of Ecology Certified - C 589.
We are in the process to obtain Nadcap Certification.



Expert Analysis - Accurate and On Time Results

We're certified by the State of Washington (Department of Ecology). At B&P Labs, we perform a wide range of testing and analysis. Our state-of-the-art lab is always ready to serve you. [Contact us](#) to find out how we can help your business comply with all Washington State regulations while maintaining peak efficiency. for a wide range of water, solution, metallurgical, organic, and compound testing, and we offer a range of [services](#) to help your business maintain compliance with changing standards.

DEPARTMENT OF ECOLOGY State of Washington									
Lab Search									
Home	LabName	Matrix	Analyte	Method	WA City	WA County	State	Accepts Public Samples	Advanced Help
Laboratory Name: B & P Laboratories, Incorporated					Select Lab by Name				
					Copy Results to Clipboard				
B & P Laboratories, Incorporated 5435 Delridge Way SW Seattle, WA 98106 Contact: Abigail Lee Phone: (206) 937-3644 Accepts Commercial/Public Samples					Accreditation #: C589-17 Revision Date: 7/20/2017 Expiration Date: 07/27/2018 County: King				
State	City	CompanyName	MatrixDescription	Matrix	Category	MethodName	MethodCode	AnalyteName	AnalyteID
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	General Chemistry	EPA 1664A_1_1999	10127807	n-Hexane Extractable Material (O&G)	1803
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	General Chemistry	EPA 180.1_2_1993	10011800	Turbidity	2055
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	General Chemistry	EPA 335.4_1_1993	10061402	Cyanide, Total	1645
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	General Chemistry	SM 2540 B-97	20049405	Solids, Total	1950
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	General Chemistry	SM 2540 C-97	20050402	Solids, Total Dissolved	1955
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	General Chemistry	SM 2540 D-97	20051201	Solids, Total Suspended	1960
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	General Chemistry	SM 4500-CN ⁻ E-99	20096417	Cyanide, Total	1645
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	Metals	EPA 200.7_4.4_1994	10013806	Aluminum	1000
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	Metals	EPA 200.7_4.4_1994	10013806	Arsenic	1010
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	Metals	EPA 200.7_4.4_1994	10013806	Barium	1015
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	Metals	EPA 200.7_4.4_1994	10013806	Beryllium	1020
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	Metals	EPA 200.7_4.4_1994	10013806	Boron	1025
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	Metals	EPA 200.7_4.4_1994	10013806	Cadmium	1030
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	Metals	EPA 200.7_4.4_1994	10013806	Chromium	1040
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	Metals	EPA 200.7_4.4_1994	10013806	Cobalt	1050
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	Metals	EPA 200.7_4.4_1994	10013806	Copper	1055
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	Metals	EPA 200.7_4.4_1994	10013806	Iron	1070
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	Metals	EPA 200.7_4.4_1994	10013806	Lead	1075
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	Metals	EPA 200.7_4.4_1994	10013806	Manganese	1090
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	Metals	EPA 200.7_4.4_1994	10013806	Molybdenum	1100
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	Metals	EPA 200.7_4.4_1994	10013806	Nickel	1105
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	Metals	EPA 200.7_4.4_1994	10013806	Selenium	1140
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	Metals	EPA 200.7_4.4_1994	10013806	Silver	1150
WA	Seattle	B & P Laboratories, Incorporated	Non-Potable Water	N	Metals	EPA 200.7_4.4_1994	10013806	Thallium	1165



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General Wet Chemistry

B&P Laboratories has expert chemists that are well versed in wet chemistry methods. Our team has extensive experience in the analysis of water, wastewater, soil and sediment for a full range of analytes. All general inorganic analyses are performed in accordance with federal and state guidelines and the requirements of the National Pollutant Discharge Elimination System (NPDES).

Available Methods Summary

EPA Methods

Analyte

Solution Analysis

Alkalinity

Anions: Bromide, Chloride, Fluoride, Nitrate, Nitrite, o-Phosphate, Sulfate

Conductivity

Cyanide

Total Cyanide

Solids, Total

Solids, Total Dissolved

Solids, Total Suspended

Solids, Total Volatile

Oil & Grease

Turbidity

Method

Wet chemistry titrations

SM 2320B

EPA 300.0, 9056A

Hach HQ440d Multimeter/

EPA 120.1, SM 2510B

SM 4500 CN-E, EPA 9012B

ASTM D6888

SM 2540B

SM 2540C

SM 2540D

EPA 160.4

EPA 1664, SPE Manifold

EPA 180.1, Hach 2100Q meter



Tankline & Chemical Analysis

We will help you solve your production problems before they interfere with your production

- Metal Plating Solutions: Copper, Nickel, Chrome, Zinc, Gold, Cadmium, Brass, Tin, Tin-Lead, & Silver
- Anodize Solutions: Boric-Sulfuric, Sulfuric, and Chromic
- Chemical Conversion Coating: Alodine, Iridite & Oakite Trivalent
- Cleaners, Deoxidizers, Etches, Seals & Passivation
- Analysis of Penetrant Inspection Oil for Brightness, Percent Water, and Removability

Heavy Metals Test Method EPA 200.7 (ICP)



Sources: Google

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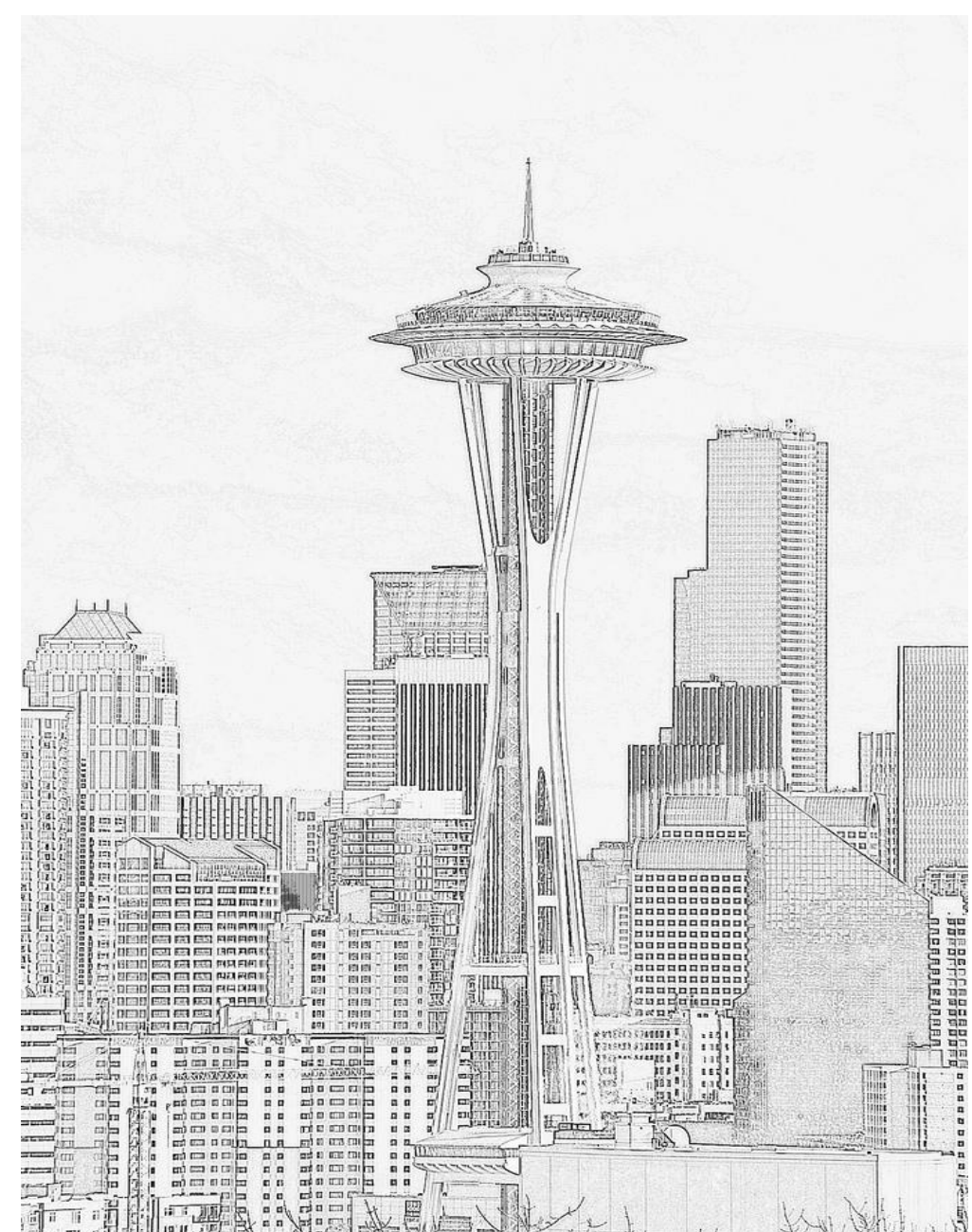
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Sources: Google

Stormwater

What's the problem with stormwater?

Stormwater is rain and snow melt that runs off rooftops, paved streets, highways, and parking lots. As it runs off, it **picks up pollution like oil, fertilizers, pesticides, soil, trash, and animal manure**. Most stormwater is not treated, even when it goes into a street drain. It flows downstream directly into streams, lakes, and marine waters.

Stormwater runoff is the leading threat to Washington's urban waters, streambeds, banks, and habitats.

Why does stormwater runoff matter?

As the population grows in Washington, urban development increases. This means more people, more developed land, and an increase in stormwater runoff and pollution to Washington's waters.

Unmanaged stormwater runoff can:

- Damage salmon habitat.
- Contribute to flooding and drought.
- Contaminate swimming areas.
- Pollute shellfish beds.
- Contaminate the groundwater you drink.
- Degrade water quality.

The state of Washington and the Washington Department of Ecology were granted delegated authority by the EPA to administer their own "State-Specific" National Pollutant Discharge Elimination System (NPDES) Permitting Program for wastewater and stormwater discharges associated with construction activity, industrial activity as well as Municipal Separate Storm Sewer System (MS4) activity. Because the EPA and The Clean Water Act (CWA) required a program for addressing the pollution caused by stormwater discharges, the Department of Ecology instituted the Water Quality Program (WQP) which administrates all of Washington's clean water initiatives.

We are expertise:

- Stormwater testing for trace metals, oil and grease, turbidity, total solids (TDS + TSS) and total cyanide analysis.
- Analyses:
 - Oil and Grease by EPA 1664
 - Copper, Lead and Zinc by EPA 200.7 (ICP)
 - pH by EPA 150.1
 - TSS by EPA 160.2

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Soils, Sediment, Sludges, Filters, Fertilizers & Wastes

Let us test your soils and sludges to ensure compliance with federal and local environmental standards

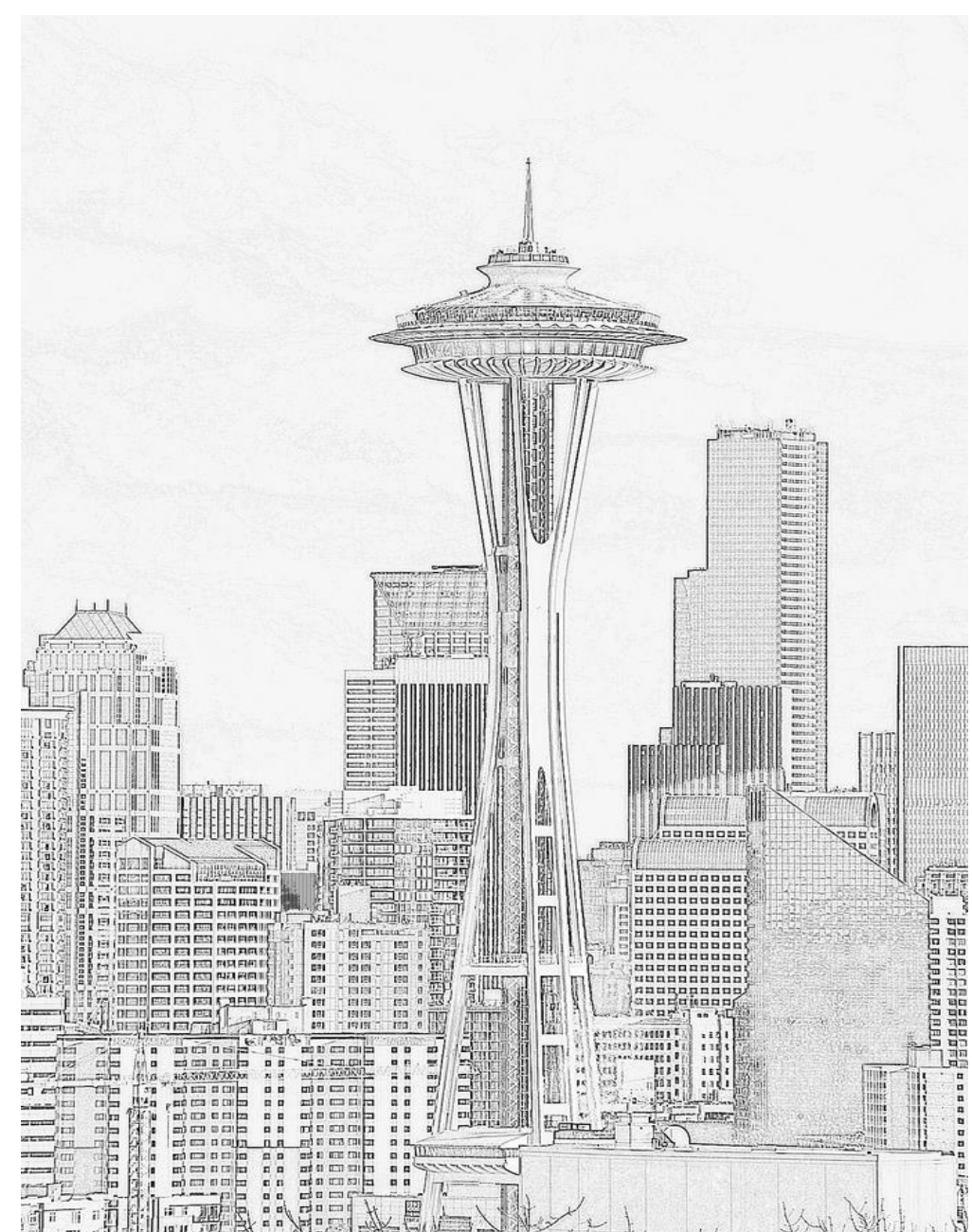
- TCLP - Extraction and Metals Analysis
- Testing for Lead Contamination
- Waste-water & sludge for Metro sewer discharge
- Inorganic Contaminants Testing
- Organic Contaminants Testing

Total Metals , EPA 3050

- *Note: in compliance with EPA regulations, samples that pass TCLP may be disposed of in a landfill.*



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Sources: Google

Waste Characterization

Toxicity – Solid waste is extracted according to the procedures specified in EPA Method 1311. The extract is prepared according to strict adherence with the procedure specified in the method. Toxicity Characteristic Leaching Procedure (TCLP) extracts are analyzed for individual contaminants by methods. Metals: EPA 6010D.

Hazardous Waste Regulation - Resource Conservation and Recovery Act (RCRA)

Background of RCRA: The Resource Conservation and Recovery Act (RCRA) was enacted as federal law in 1976 and constitutes the primary means for regulating waste materials. The intent of the Act was to address the management of municipal and industrial waste and provide authority to the Environmental Protection Agency (EPA) to define and regulate hazardous waste. EPA has published regulations in Title 40 of the Code of Federal Regulations, Parts 239-282.

Note: in compliance with EPA regulations, samples that pass TCLP may be disposed of in a landfill.



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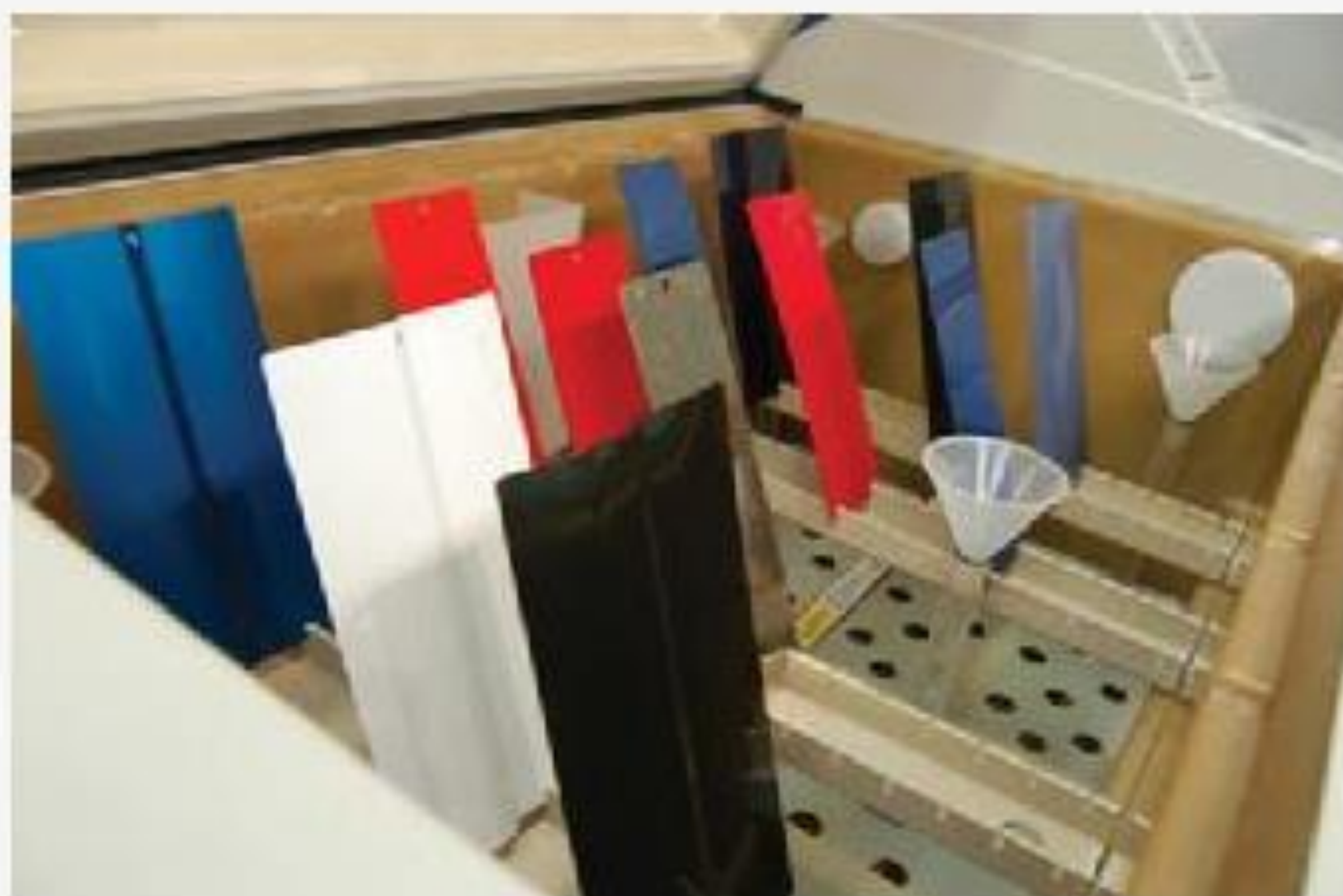
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Materials Testing - ASTM

We tailor our analysis to meet the requirements of each customer's product.

- Coating Weights & Thicknesses
- Salt Spray Testing
- Wet and Dry Tape Adhesion Analysis
- Viscosity
- Electrical Resistivity

Available Methods Summary

Analyte	Method
Salt Spray	Panel analysis <u>ASTM B117</u> , <u>ASTM D1193</u> , <u>ASTM D4285</u>
Coating Weight	<u>ASTM B449</u> , <u>ASTM B137</u> , SAE-AMS-2481, ASTM B767
Coating Thickness	ASTM B499
Coating Adhesion	SAE-AMS-QQ-P-416, ASTM B633, ASTM B767
Resistivity	milliohm meter, strain meter, load cell, vise
Wet Tape Adhesion	ASTM D3359, BSS 7225, FED-STD-141
IGA/EGP (NADCAP)	band saw, epoxy & mounting, LaboPol-5, microspope ASTM F2111, BSS 7219, LMA-PA051
Etch Rate	BSS7348



Waste Water Analysis

We are DOE-Certified to perform all waste water analysis for effluent discharge.

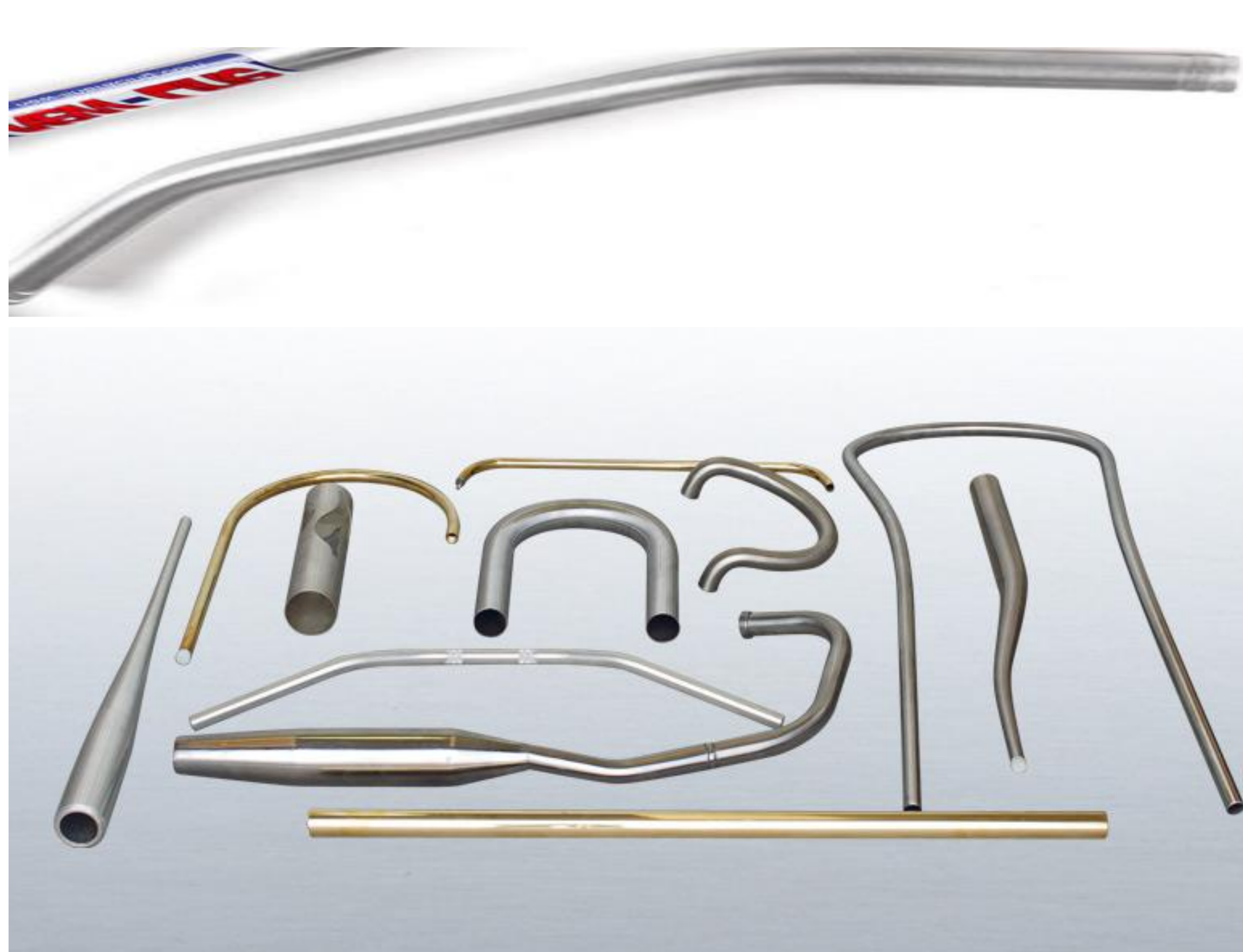
- Testing for trace Metals, VOCs & TTOs
- Fats, Oil and Grease Analysis
- Total Dissolved Solids & Total Suspended Solids Analysis
- Turbidity, Oil Sheen and pH Analysis
- Cyanide Content Analysis- Amenable & Total
- Total Petroleum Hydrocarbons

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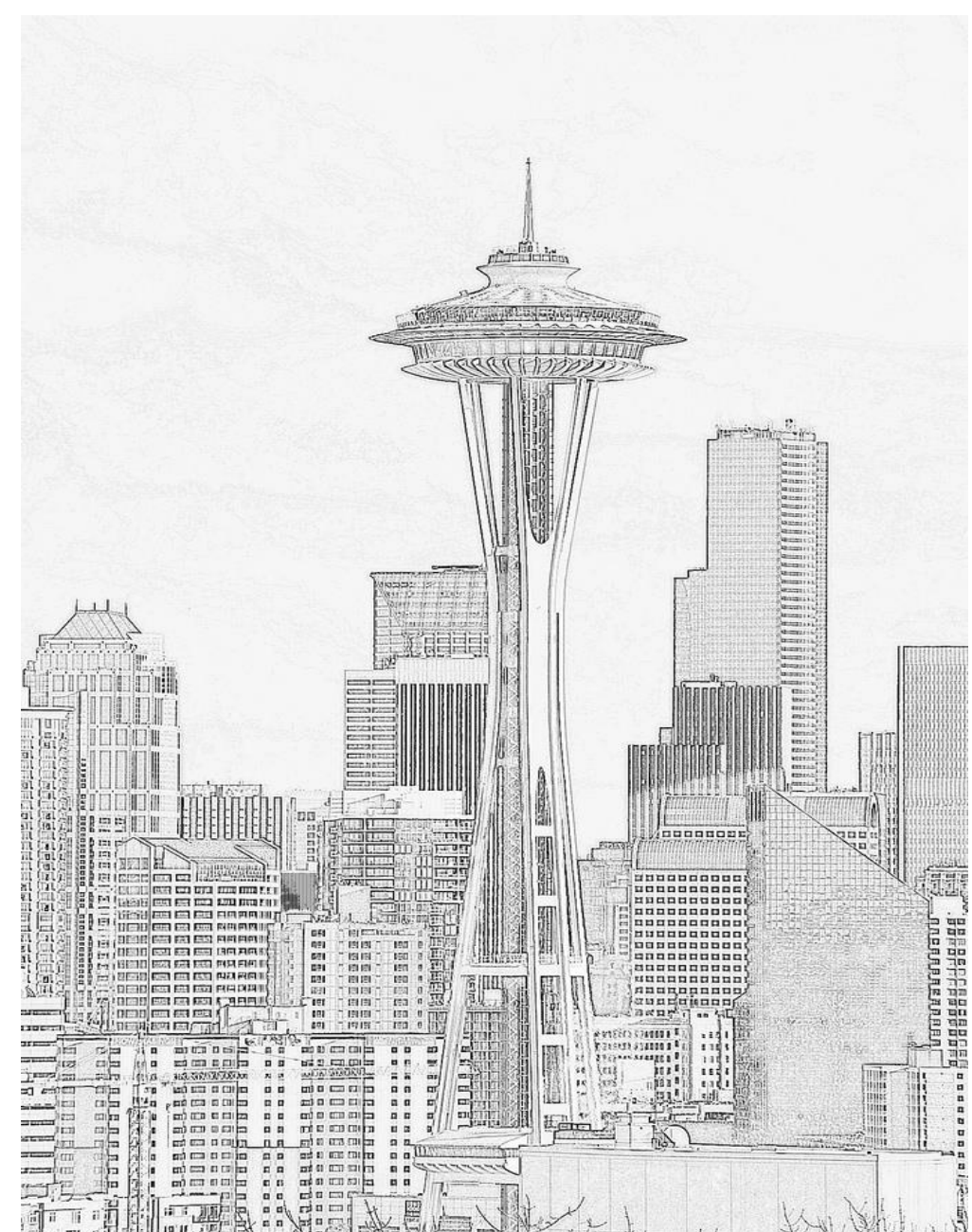
Sources: Google



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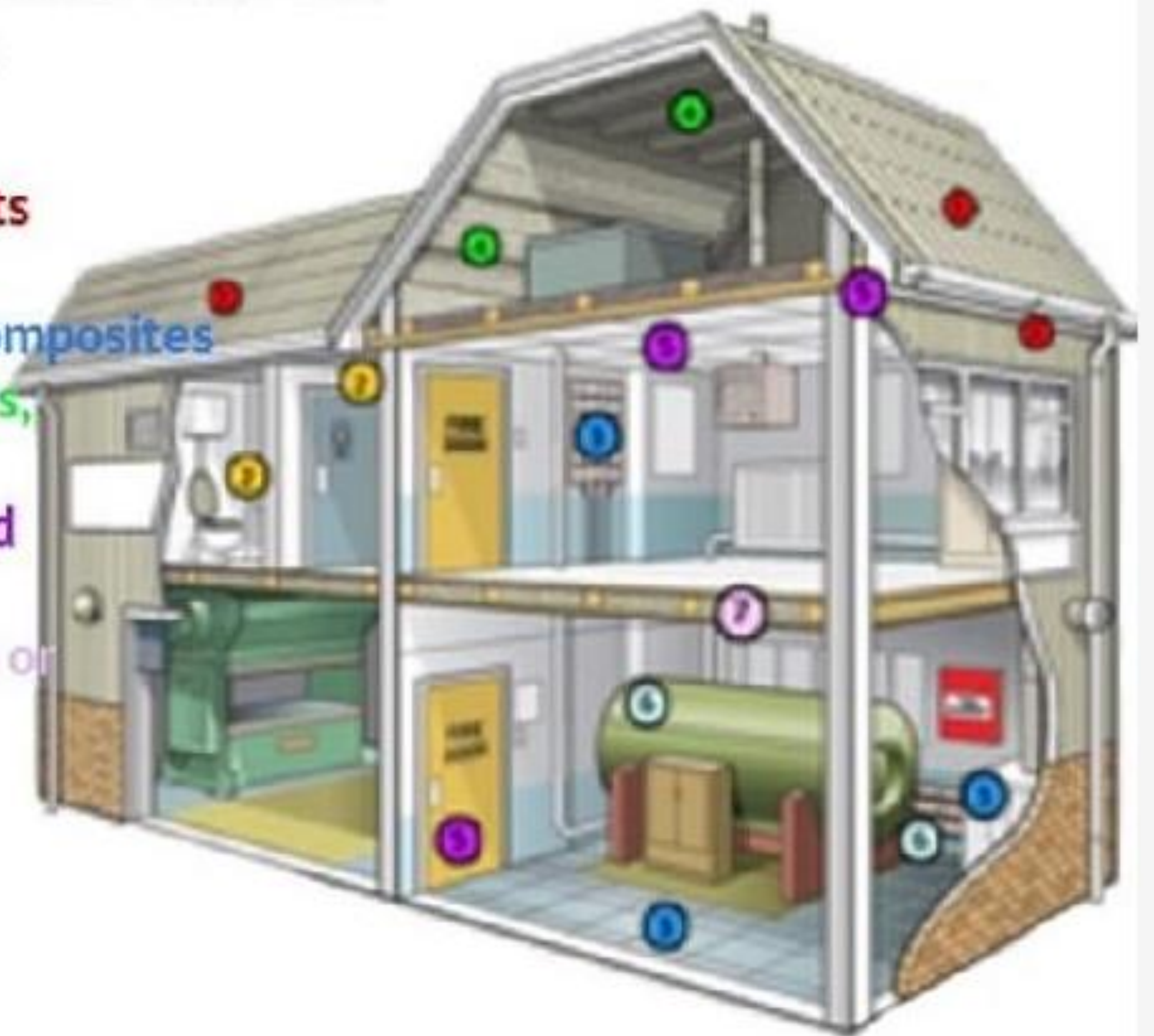


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Common Areas Asbestos Can Be Found In Your Home

1. Asbestos Cement Products
2. Textured Ceilings
3. Floor Tiles, Textiles & Composites
4. Sprayed coatings on walls, beams/columns
5. Asbestos Insulating Board
6. Lagging
7. Loose Asbestos in ceiling or floor cavity



Sources: Google

Asbestos FAQ

- Homeowner Demolition
- Homeowner Renovation
- Regulating Asbestos

Asbestos

Asbestos is a mineral fiber found in rocks and soil. It was once widely used in building materials and products to strengthen them and provide heat insulation and fire resistance. It is still used in some products today. When it is intact and undisturbed, asbestos-containing materials generally do not pose a health risk. If asbestos-containing materials are damaged, disturbed, or deteriorate over time, there is a health risk because the microscopic fibers can be inhaled into the lungs.

Where could asbestos be found in my home?

While most products made today don't contain asbestos, there are many which still might. Testing may be the only way to know if a product contains asbestos. The following are examples of where asbestos hazards may be found in the home.

Test Method For The Determination Of Asbestos In Bulk Building Materials

EPA Method 600/R-93/116 The analysis includes testing of bulk building materials for asbestos by performing a visual estimation using the EPA Method 600/R-93/116. This method is the most widely used method for estimating asbestos in bulk building materials and works well for most sample types.

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Sources: Google

Lead (Pb)

Beginning April 22, 2010, federal law required that contractors performing renovation, repair and painting projects that disturb more than six square feet of paint in homes, child care facilities, and schools built before 1978 must be trained, certified and meet all Lead Safe Work Practices to prevent lead-based paint dust contamination. The Department of Health estimates 1.2 million homes in Washington have lead based paint. Our goal is to help customers identify these issues and provide common sense recommendations to protect their families. Approximately 75 percent of homes in Seattle area built prior to 1978 contain at least some lead paint. The likelihood that lead paint was used in a home increases with the structure's age. The Environmental Protection Agency estimates that at least 19 million homes present lead-based paint hazards. In addition, A national study found that nearly all housing units built before 1940 had some amount of lead in their yards, probably from deteriorated exterior paint and leaded gasoline. In this study, of those yards of homes built before 1940 in which patches of bare soil were tested, 43 percent had lead levels above 400 ppm, the EPA threshold for a lead hazard.

[Testing Your Home For Lead In Paint, Dust, And Soil](#)

Test Methods

[EPA 6010 \(ICP\)-Paint Chips/Soil/Dust/Waste water](#)

[EPA 1311/6010 \(ICP\)-TCLP](#)

[Hazardous Waste Test Methods / SW-846](#)

I know that lead can be in water...where else could lead be in my home?



Lead can also be found in:

- Keys
- Some imported foods and spices
- Makeup and lotions



Superior Service

B&P Labs uses state-of-the-art analysis to ensure fast, accurate results. We offer custom reports and consulting. Find out how we can help ensure your products and solutions meet Washington State standards.

The experienced staff at B&P Labs is dedicated to providing quality service at all levels. Here are just a few of the reasons B&P stands head-and-shoulders above the rest.

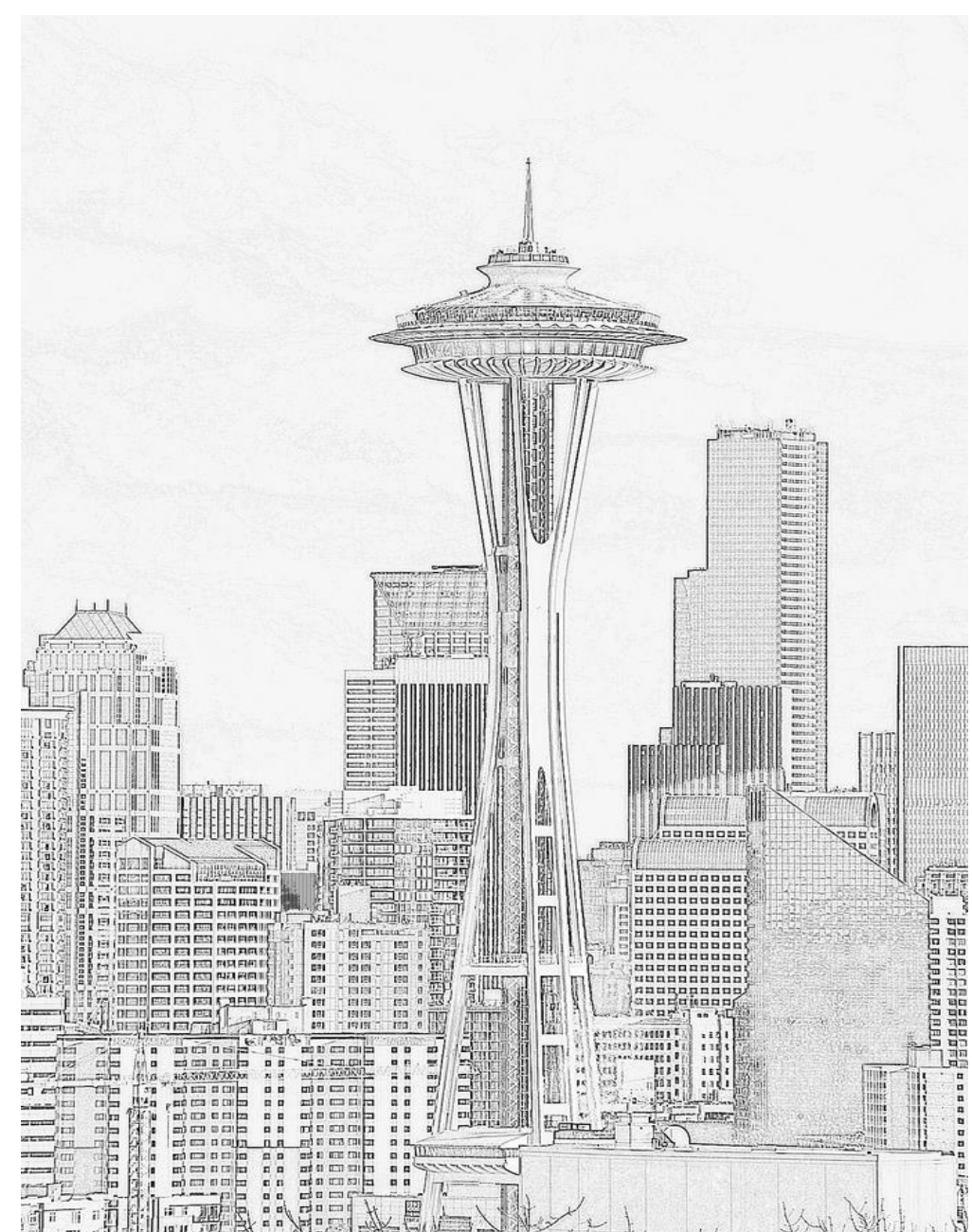
Sample Collection

B&P Laboratories provides customers with a sample retrieval service. We run numerous routes throughout the Seattle area, which allows us to pick up your samples easily.

Custom Reporting

At B&P Labs we present our analysis and conclusions as clearly as possible for our customers. Independently tailored reports provide your business with the information you need for product alterations, reporting requirements and internal records. We take pride in providing you rapid service, delivering your results and consultations electronically, in hard copy or over the phone, depending on your individual needs.

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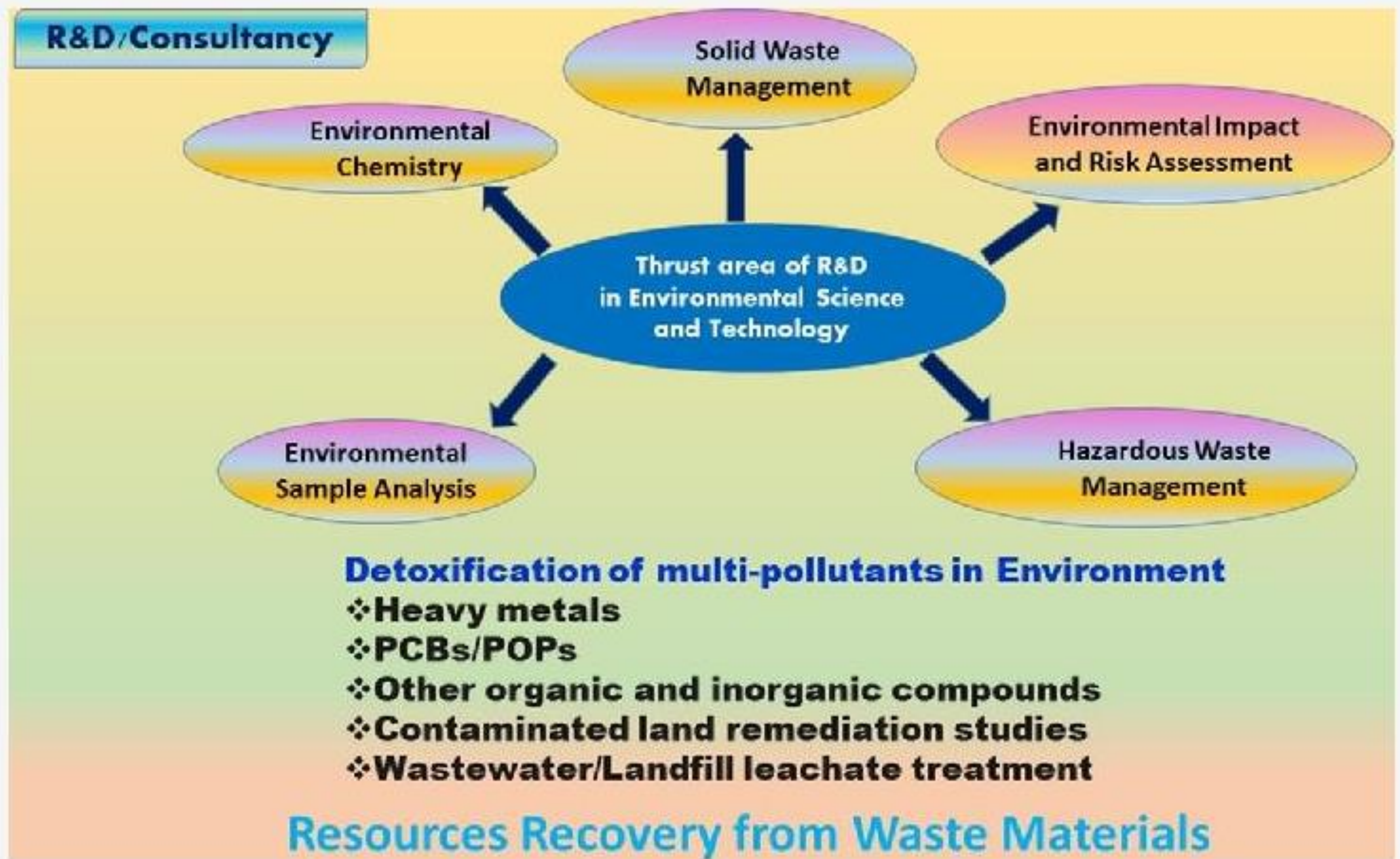


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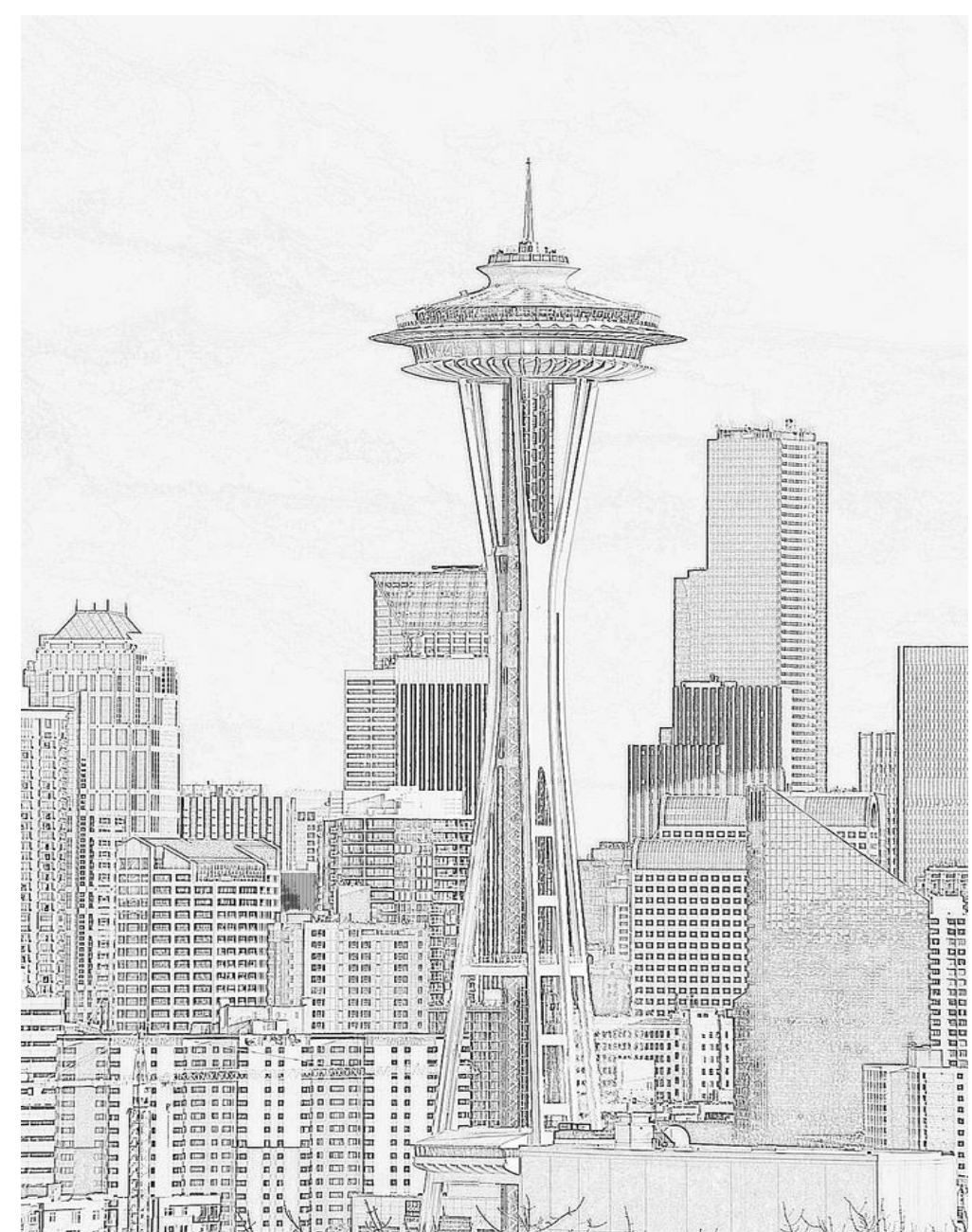
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R&D/Consultancy

With our extensive experience in the Northwest area, B&P Labs can provide excellent consulting service to increase efficiency of our customer's projects. We will assist you in interpreting the meaning of your project's data, and finding a method that ensures your products comply with regulations. Regardless of the project size, we would be happy to offer our knowledge as a tool for your success.



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Sources: Google



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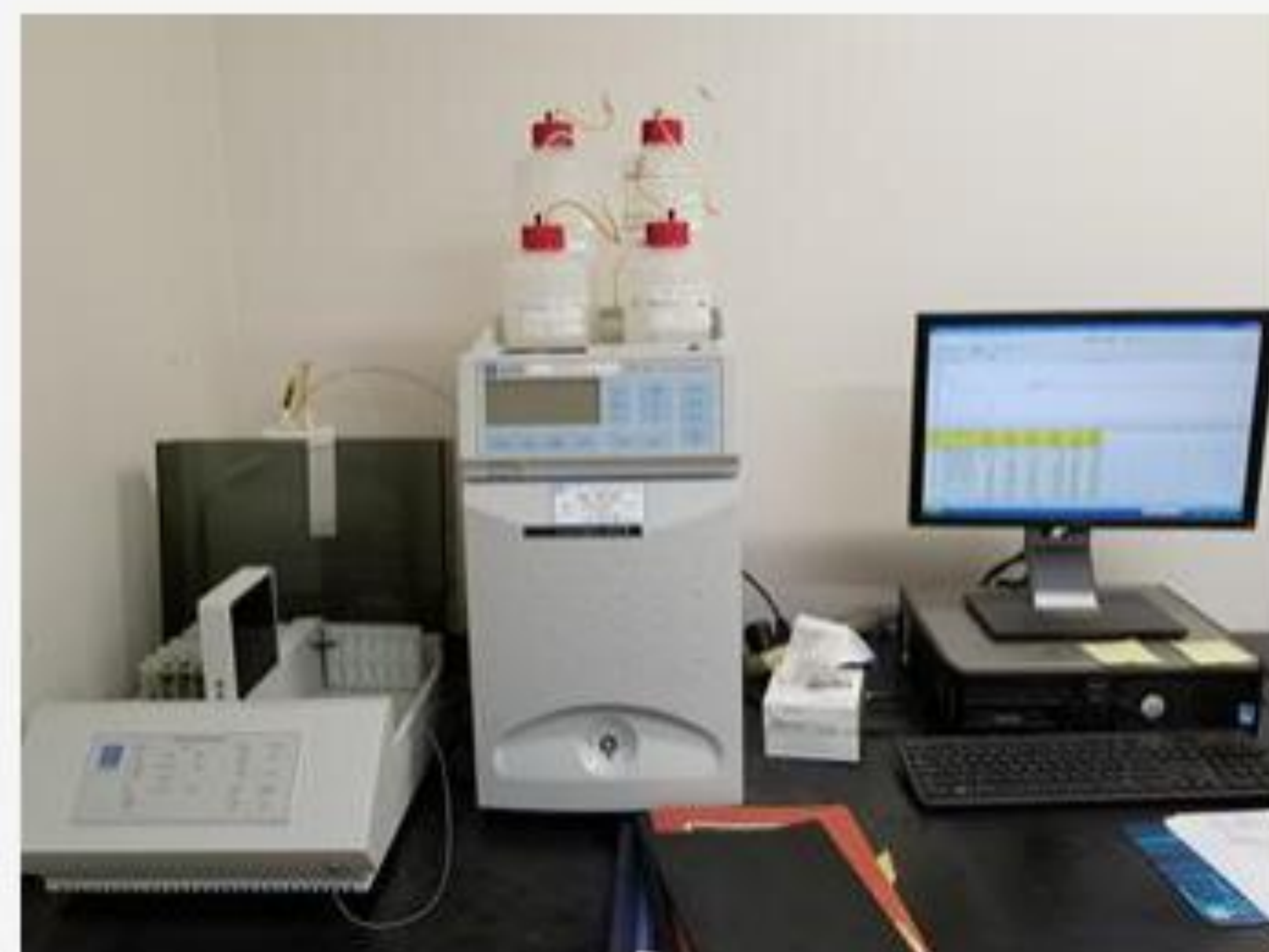
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Instrumentation

We have state of the art analytical equipment in order to provide fast turn-around and accurate results.

- Dionex Ion Chromatograph
- Perkin-Elmer Optima 7000 DV ICP-OES
- Hach DR 5000 UV/VIS Spectrophotometer
- Metrohm 785 DMP Titrino Autotitration System
- Singleton Salt Spray Corrosion Chamber
- Adam AFA1801 Analytical Balance
- Radwag AS82/220, R2 Analytical Balance
- Simple Dist 18-Valve manifold



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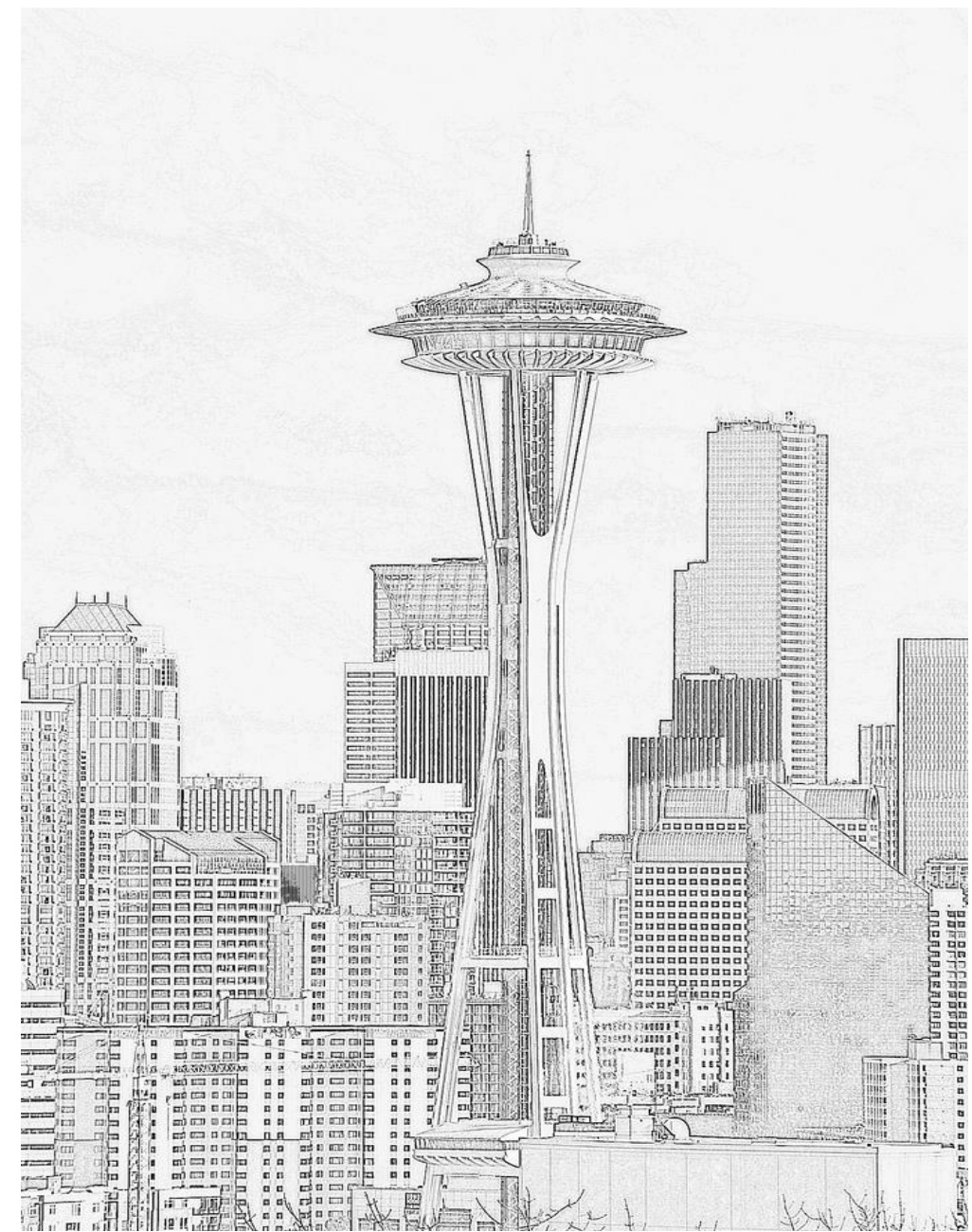
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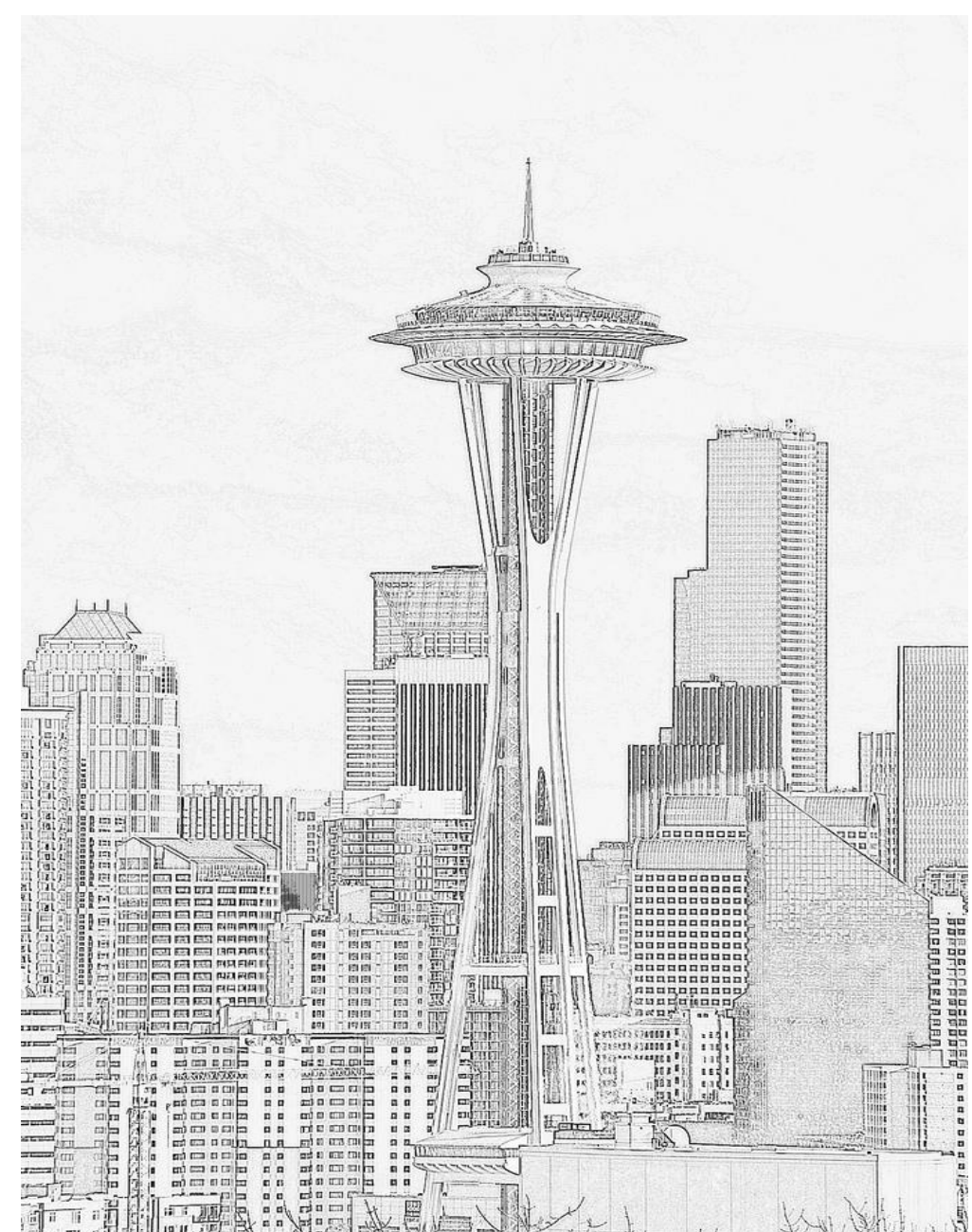
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Abigail Lee

President / CEO

abby.lee@bplabs.net

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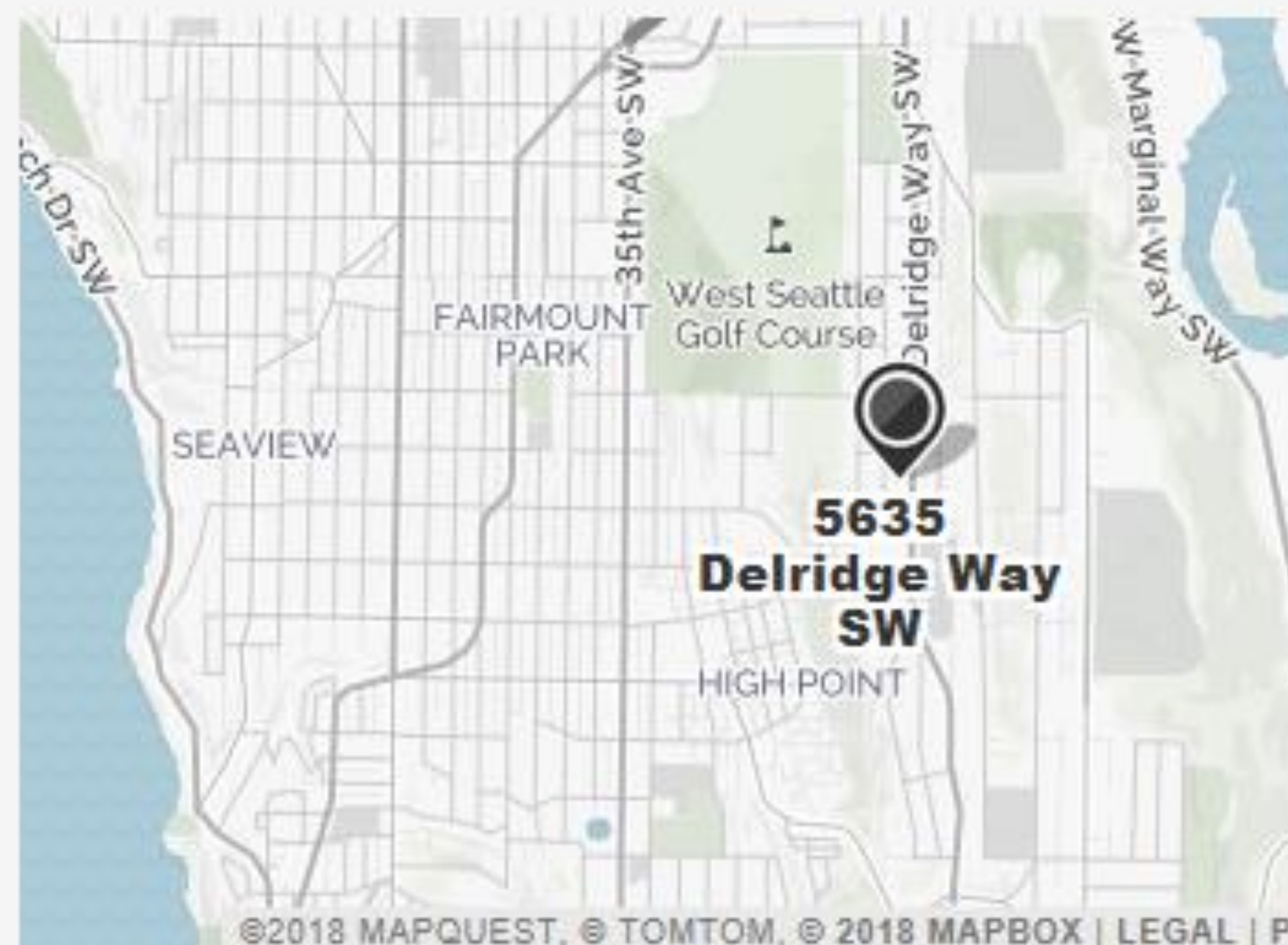
Available Mon-Fri, 8am-5pm. Lunch 12pm-1pm

Fax

[\(206\) 937-1348](tel:(206)937-1348)

Email

mail@bplabs.net



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- ✓ **Water/Wastewater Testing**
- ✓ **Stormwater Testing**
- ✓ **Soil, Sludges, Filters Testing**
- ✓ **Materials Testing-ASTM**
- ✓ **Industrial Waste Testing**
- ✓ **Sediment & Sea Water Testing**
- ✓ **Tankline & Chemical Testing**
- ✓ **Heavy Metals Testing**
- ✓ **Inorganic Contaminants Testing**
- ✓ **Organic Contaminants Testing**
- ✓ **Asbestos, Mold and Lead (Pb)**

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