


## 2023 ANALYTICAL REQUEST FORM

 <p style="font-size: small;">Hazen Research, Inc. 4601 Indiana St Golden, CO 80403 (303) 279-4501 <a href="mailto:analytical@hazenresearch.com">analytical@hazenresearch.com</a> <a href="http://www.hazenresearch.com">www.hazenresearch.com</a></p>	<p>Company Name: _____                  Contact Name: _____                  Address: _____                  Phone: _____                  Email: _____</p> <p style="text-align: center;"><b>REPORTS ARE PROVIDED BY EMAIL UNLESS OTHERWISE SPECIFIED</b>                  If billing information is different than above, please write in the lines below</p> <p>Billing Name _____                  Billing Address _____                  Phone _____                  Email _____</p>	<p style="text-align: center;"><b>Customer Information and Billing Information</b></p> <p style="text-align: center;">Are you a new Hazen customer?                  ___ Yes      ___ No</p> <p style="text-align: center;">Do you have a quote?                  ___ Yes      ___ No</p> <p style="text-align: center;">Quote # _____</p>
<p style="text-align: center;"><b>Payment Information</b> (indicate payment)</p>	<p>Purchase Order Number<sup>a</sup>: _____                  If paying by credit card, please go to our website  <a href="http://www.hazenresearch.com">www.hazenresearch.com</a>, or email <a href="mailto:AR@hazenresearch.com">AR@hazenresearch.com</a>                  Check/ Money Order No. _____ Amount \$: _____</p>	<p style="font-size: x-small;">Orders less than \$100.00 require prepayment:                  Call (303)279-4501 ext. 265 for payment  <b>DO NOT PUT CREDIT CARD INFORMATION ON FORM</b>                  For companies outside the U.S., direct bank transfer must be received prior to analysis beginning.</p>
<p><b>ANALYSIS: Sample Identification</b></p> <p style="font-size: x-small;">Write the name of your sample on the lines below. This should match the label on your sample exactly.</p> <p style="text-align: center;"><b>SAMPLE IDs</b></p>	<p>Please tell us about the composition of your material if not providing an SDS:                  _____</p> <p>Sample is: ___ Liquid ___ Solid ___ Carbon ___ Oil ___ Solution containing: _____ Other _____</p> <p>Does your sample require grinding/pulverizing/homogenizing? ___ Yes / ___ No / ___ Don't know</p> <h3 style="text-align: center;">Analysis Requested</h3> <p>Write the analysis and any instructions for testing below next to the sample ID. _____ = y</p>	
<p><b>ANALYSIS COMPLETION</b></p>	<p>Requested Turnaround Time: _____ (not guaranteed)                  ___ Standard (10-14 business days)      ___ Priority (100% surcharge and must be approved, additional charges apply)</p>	
<p><b>HAZARDS</b></p>	<p>Are any of your samples hazardous? ___ Yes ___ No ___ Don't know                  Did you include a Safety Data Sheet? ___ Yes ___ No Please provide us with any information you have about the _____</p>	
<p><b>SAMPLE RETURN</b> We return all non-drinking water samples</p>	<p>I will pick up my sample in person after analysis _____ Samples not picked up will be subject to storage charge                  Sample returned to client _____ \$4 per sample will be charged to return (sites)</p>	
<p><b>HAZEN ONLY: INTERNAL Shipment info:</b></p>	<p>Radiation Screen _____ Comments: _____ SDS _____ Safe _____                  Date/Time Received by Hazen Research: _____                  LCID: _____ Cust. ID: _____</p>	

I have written additional instructions on the back of this sheet. You may also attach additional sheets.

\*By submitting samples client agrees that services are bound by Hazen's analytical terms and conditions; Hazen's terms and conditions supersede other terms and conditions.

k-@j y@-- ) ° V) SIGNED \_\_\_\_\_ DATE: \_\_\_\_\_

Thank you for selecting Hazen Research ° ○ .

## 2023 ANALYTICAL REQUEST FORM

Laboratory provides analytical services for a wide range of clients. Our clients include mining companies, energy producers, water utilities, environmental consulting firms, municipalities, government agencies, and private individuals. We also support the process development efforts of corporate Hazen Research, Inc.

The laboratory publishes a general fee schedule which lists prices for routine analytical work that we perform. This fee schedule is available by email or regular mail. Prices listed in the schedule should be considered as "menu" items which can be ordered as line items for specific requirements, using the Analytical Request Form.

If you cannot find a specific needed item on the request form, please contact us. We may be able to provide a job-specific quote for that item.

Analytical services can be purchased using a valid credit card (MasterCard, Visa, or Discover), a money order drawn on a U.S. bank, a company purchase order, direct bank transfer, a check, or cash.

### TERMS & CONDITIONS

Submission of this Analytical Request Form by the customer ("you") to Hazen Research, Inc. ("we" or "us") constitutes the customer's offer to engage us to perform the services described on the front of this form. Our performance or commencement of performance of the services constitutes acceptance of your offer, under the following terms and conditions:

You agree to pay us for the services in accordance with our Assaying and Laboratory Services Fee Schedule or any Hazen-generated quote if applicable. Payment is due within 14 days after receipt of our invoice. A service charge of 1.5% per month will be assessed on past due invoices. We reserve the right to withhold data and any other deliverables relating to the services until we have received payment or adequate assurance of payment. If you do not remit payment in a timely manner we may suspend our services until payment is received and/or terminate or cancel this agreement without liability to you.

Our services are governed exclusively by (i) this Analytical Request Form and (ii) the Assaying and Laboratory Services Fee Schedule or our quote, as applicable; which documents together set forth our entire agreement with you regarding the services. Any additional or conflicting terms proposed by you relating to these services are expressly rejected. This Analytical Request Form supersedes and replaces any written requests or purchase orders you submit to us relating to the services. In the interests of keeping costs down for our customers, we cannot accept the terms and conditions of any customer purchase orders or other written service requests or agreements, as our prices are not structured to cover the costs of reviewing and processing customer forms. Exceptions may in our discretion be made for confidentiality and nondisclosure agreements. Please notify us in advance if you require such agreements.

We warrant that our services will be performed in a professional and workmanlike manner in accordance with industry standards.

This is our exclusive warranty to you. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE DISCLAIMED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE.

If our services do not conform to the requirements of this Analytical Request Form or our quote, or if we otherwise breach our agreement with you, we will in our discretion either (i) re-perform the services at no additional charge, or (ii) refund amounts paid by you for the non-conforming services. This is your sole remedy in the event of any breach by us of our agreement with you.

Under no circumstances will Hazen Research, Inc. be liable for any special, incidental or punitive damages in connection with the services or this agreement.

This agreement is governed by Colorado law, without regard to conflicts of laws principles. Venue for any action arising hereunder shall lie in the state district courts in and for Jefferson County, Colorado, and you expressly consent to the personal jurisdiction of, and venue in, such courts. In the event of any dispute relating to this agreement or the services in which suit is filed or proceedings are commenced in a tribunal of competent jurisdiction, the prevailing party as determined by the court or tribunal shall be entitled to recover its reasonable attorneys' fees and costs.

## 2023 ANALYTICAL REQUEST FORM

### OPTIONAL ANALYSIS CHECKLIST

Providing data about your expected values (parts per million or bill on, percentage of material, etc.) and your desired reporting units (mg/L, weight %, oz. per ton, etc.) helps us to provide you with the most accurate and comprehensible report possible to meet your needs. The form below is optional. This is not a complete list. Check our fee schedule for information all tests at [www.hazenresearch.com/downloads](http://www.hazenresearch.com/downloads)

<p><b>SERVICE LEVEL</b></p> <p><input type="checkbox"/> Standard  <input type="checkbox"/> Priority (100% surcharge and MUST be approved by director)</p> <p>We recommend checking availability and notifying us of incoming samples; send an email to <a href="mailto:analytical@hazenresearch.com">analytical@hazenresearch.com</a></p> <p><b>SAMPLE HANDLING</b></p> <p><input type="checkbox"/> Handle under N<sub>2</sub>  <input type="checkbox"/> Store at 4°C  <input type="checkbox"/> Store in Freezer</p> <p>Special Instructions:          _____          _____          _____          _____          _____</p>	<p><b>MICROANALYSIS</b> Values/Units</p> <p><input type="checkbox"/> Carbon _____  <input type="checkbox"/> Hydrogen _____  <input type="checkbox"/> Nitrogen (Dumas) _____  <input type="checkbox"/> Nitrogen (Kjeldahl) _____  <input type="checkbox"/> Nitrogen _____  <input type="checkbox"/> Chemiluminescence _____  <input type="checkbox"/> Oxygen _____  <input type="checkbox"/> Sulfur _____  <input type="checkbox"/> TOC (Difference) _____  <input type="checkbox"/> Carbonate Carbon _____</p> <p><b>ION CHROMATOGRAPHY</b></p> <p><input type="checkbox"/> Anion Scan _____  <input type="checkbox"/> Fluoride _____  <input type="checkbox"/> Chloride _____  <input type="checkbox"/> Bromide _____  <input type="checkbox"/> Nitrate _____  <input type="checkbox"/> Phosphate _____  <input type="checkbox"/> Sulfate _____</p>	<p><b>WATER ANALYSIS</b> Values/Units</p> <p><input type="checkbox"/> Acidity _____  <input type="checkbox"/> Alkalinity _____  <input type="checkbox"/> Conductivity _____  <input type="checkbox"/> pH _____  <input type="checkbox"/> Chloride _____  <input type="checkbox"/> Solids TDS _____  <input type="checkbox"/> Solids TSS _____  <input type="checkbox"/> Solids TS _____  <input type="checkbox"/> Sulfate-S _____  <input type="checkbox"/> Sulfide-S _____  <input type="checkbox"/> Karl Fischer _____</p> <p><b>CARBONATE CARBON</b></p> <p><input type="checkbox"/> TOC (Difference) _____</p> <p><b>ORGANIC CARBON</b></p> <p><input type="checkbox"/> DOC _____  <input type="checkbox"/> TOC _____  <input type="checkbox"/> TC _____  <input type="checkbox"/> OCD _____</p>	<p><b>-OE - VT</b> Values/Units</p> <p><input type="checkbox"/> Aluminum _____  <input type="checkbox"/> Antimony _____  <input type="checkbox"/> Arsenic _____  <input type="checkbox"/> Barium _____  <input type="checkbox"/> Beryllium _____  <input type="checkbox"/> Bismuth _____  <input type="checkbox"/> Boron _____  <input type="checkbox"/> Bromine _____  <input type="checkbox"/> Cadmium _____  <input type="checkbox"/> Calcium _____  <input type="checkbox"/> Cerium _____  <input type="checkbox"/> Cesium _____  <input type="checkbox"/> Chromium _____  <input type="checkbox"/> Cobalt _____  <input type="checkbox"/> Copper _____  <input type="checkbox"/> Dysprosium _____  <input type="checkbox"/> Erbium _____  <input type="checkbox"/> Europium _____  <input type="checkbox"/> Gadolinium _____  <input type="checkbox"/> Gallium _____  <input type="checkbox"/> Germanium _____  <input type="checkbox"/> Gold _____  <input type="checkbox"/> Hafnium _____  <input type="checkbox"/> Holmium _____  <input type="checkbox"/> Indium _____  <input type="checkbox"/> Iodine _____  <input type="checkbox"/> Iridium _____  <input type="checkbox"/> Iron _____  <input type="checkbox"/> Lanthanum _____  <input type="checkbox"/> Lead _____  <input type="checkbox"/> Lithium _____  <input type="checkbox"/> Lutetium _____  <input type="checkbox"/> Magnesium _____  <input type="checkbox"/> Manganese _____  <input type="checkbox"/> Mercury _____  <input type="checkbox"/> Molybdenum _____  <input type="checkbox"/> Neodymium _____  <input type="checkbox"/> Nickel _____  <input type="checkbox"/> Niobium _____  <input type="checkbox"/> Palladium _____  <input type="checkbox"/> Phosphorous _____  <input type="checkbox"/> Platinum _____  <input type="checkbox"/> Palladium _____  <input type="checkbox"/> Phosphorous _____  <input type="checkbox"/> Platinum _____  <input type="checkbox"/> Potassium _____  <input type="checkbox"/> Praseodymium _____  <input type="checkbox"/> Rhenium _____  <input type="checkbox"/> Rhodium _____</p>	<p><b>ELEMENT</b> Values/Units</p> <p><input type="checkbox"/> Rubidium _____  <input type="checkbox"/> Ruthenium _____  <input type="checkbox"/> Samarium _____  <input type="checkbox"/> Scandium _____  <input type="checkbox"/> Selenium _____  <input type="checkbox"/> Silicon _____  <input type="checkbox"/> Silver _____  <input type="checkbox"/> Sodium _____  <input type="checkbox"/> Strontium _____  <input type="checkbox"/> Sulfur _____  <input type="checkbox"/> Tantalum _____  <input type="checkbox"/> Tellurium _____  <input type="checkbox"/> Terbium _____  <input type="checkbox"/> Thallium _____  <input type="checkbox"/> Thorium _____  <input type="checkbox"/> Thulium _____  <input type="checkbox"/> Tin _____  <input type="checkbox"/> Titanium _____  <input type="checkbox"/> Tungsten _____  <input type="checkbox"/> Uranium _____  <input type="checkbox"/> Vanadium _____  <input type="checkbox"/> Ytterbium _____  <input type="checkbox"/> Yttrium _____  <input type="checkbox"/> Zinc _____  <input type="checkbox"/> Zirconium _____</p> <p><b>ICP Scan Packages:</b></p> <p><sup>1</sup> Al, As, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cu, Fe, K, La, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Re, S, Sb, Sr, Te, Th, Ti, V, Y, Zn, Zr</p> <p><sup>2</sup> Al, Be, Ca, Ce, Cr, Dy, Er, Eu, Fe, Gd, Hf, Ho, K, La, Lu, Mg, Mn, Na, Nb, Nd, P, Pr, Sc, Si, Sm, Ta, Tb, Th, Ti, Tm, Y, Yb, Zr</p> <p><sup>3</sup> Ag, Al, As, Au, B, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cu, Dy, Eu, Fe, Ga, Gd, Ge, Ho, In, Ir, K, La, Li, Lu, Mg, Mn, Mo, Na, Nb, Nd, Ni, P, Pb, Pd, Pr, Pt, Rb, Rh, Ru, S, Sb, Sc, Se, Sm, Sn, Sr, Tb, Th, Ti, Tl, Tm, U, V, Y, Yb, Zn, Zr</p> <p><sup>4</sup> La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yt, and Lu + Sc, Y, Th, U - \$10/Element/Sample</p>
<p><b>SAMPLE PREP</b> Specification</p> <p><input type="checkbox"/> Pulverize _____  <input type="checkbox"/> Homogenize _____  <input type="checkbox"/> Filter _____  <input type="checkbox"/> Dry _____  <input type="checkbox"/> Temp _____ °C  <input type="checkbox"/> Vacuum or Air _____  <input type="checkbox"/> For _____ Hours  <input type="checkbox"/> Constant weight _____</p> <p>Other Instructions:          _____          _____          _____</p>	<p><b>MINERALOGY*</b></p> <p><input type="checkbox"/> XRD (Quantitative) _____  <input type="checkbox"/> XRD (Qualitative) _____  <input type="checkbox"/> XRF _____  <input type="checkbox"/> XRF (Pressed Pellet) _____  <input type="checkbox"/> XRF (Loose Powder) _____</p> <p><input type="checkbox"/> HORRIBA PSA _____  <input type="checkbox"/> PSD/SIEVE _____  <input type="checkbox"/> SEM _____</p> <p><b>*PLEASE CONTACT MINER<sup>^</sup> LOGY PRIOR TO SUBMITTING SAMPLES</b>  <a href="mailto:analytical@hazenresearch.com">analytical@hazenresearch.com</a></p>	<p><b>ORGANIC HALOGEN ANALYSIS</b></p> <p><input type="checkbox"/> TOX(water) _____  <input type="checkbox"/> EOX (solid) _____  <input type="checkbox"/> TX _____</p> <p><b>OTHER ANALYSIS:</b>          _____          _____          _____          _____</p>	<p><b>ICP SCANS *</b></p> <p><input type="checkbox"/> Metal OES Scan<sup>1</sup> _____  <input type="checkbox"/> Rare Earth OES Scan<sup>2</sup> _____  <input type="checkbox"/> 60 element OES/MS Scan<sup>3</sup> _____  <input type="checkbox"/> Rare Earth MS Scan<sup>4</sup> _____</p> <p><b>PLEASE SEND ALL FORMS VIA EMAIL IN ADDITION TO YOUR SAMPLE(S) IF POSSIBLE TO:</b>  <a href="mailto:Analytical@hazenresearch.com">Analytical@hazenresearch.com</a></p>	
<p><b>FIRE ASSAY</b> Values/Units</p> <p><input type="checkbox"/> Au (Gravimetric) _____  <input type="checkbox"/> Ag (Gravimetric) _____  <input type="checkbox"/> Au with AA finish _____  <input type="checkbox"/> Ag with AA finish _____  <input type="checkbox"/> Au/Ag w/ AA finish _____  <input type="checkbox"/> Pt/Pd/Rh package _____  <input type="checkbox"/> Pt (ICP Finish) _____  <input type="checkbox"/> Pd (ICP Finish) _____  <input type="checkbox"/> Rh (ICP Finish) _____</p>	<p><b>COAL/BIOMASS*</b> Values/Units</p> <p><input type="checkbox"/> Ash _____  <input type="checkbox"/> Moisture _____  <input type="checkbox"/> BTU _____  <input type="checkbox"/> Carbon Dioxide _____  <input type="checkbox"/> Proximate _____  <input type="checkbox"/> Ultimate _____  <input type="checkbox"/> Direct Oxygen _____  <input type="checkbox"/> Oxygen by Difference _____</p> <p><b>*PLEASE CONTACT FUEL LAB PRIOR TO SUBMITTING SAMPLES</b>  <a href="mailto:analytical@hazenresearch.com">analytical@hazenresearch.com</a></p>			