## Huffman Hazen Laboratories A Division of Hazen Research, Inc. 4630 Indiana Street Golden, CO 80403 phone 303-278-4455 www.huffmanlabs.com

## **ANALYTICAL SERVICES REQUEST FORM**

INSTRUCTIONS: Use one form for each sample or group of similar samples requiring the same analyses. Check the box for each service / analysis required and fill in the expected values and units of the analytes of interest.

Fill in the form as completely as possible. Use reverse side if needed.

Sandard	Client Name					-	-	700 1010100 0100	
Phone				− Sample #	#(s):				
Sample Description/Matrix:   IMPORTANT	A -l -l			<u> </u>		·	· · · · · · · · · · · · · · · · · · ·		
Sample Description/Matrix:		<del></del>							
Billing Name   Billing Address	Dia a a		, , , , , , , , , , , , , , , , , , , ,					(IMPORT	
Billing Name  Billing Company  Billing Fermal   m.p°C b.p°C Hygroscopic Y / N Hazardous Soluble in Sonsitive to Explosive Y / Manufers Soluble in Soluble in Sonsitive To Explosive Y / Manufers Soluble in Soluble					Description/	IVICUIA.		min On	(ANT:)
Billing Address    m.p. "C b.p. "C hygroscopic Y / N Hazardous Soluble in Sensitive to Explosive Y / All samples will be returned" unless marked for municipal dispose properties of the samples can be disposed municipal waste system.    All samples will be returned" unless marked for municipal dispose municipal waste system.   Customer Pickup   Customer   Customer Pickup   Customer Pickup   Customer Pickup   Customer   Customer   Customer Pickup   Customer   Customer   Customer Pickup   Customer   Cus	E-mail			_					
Billing Address    m.p.	Billing Name			_					
Billing Address    m.p.	Billing Company			_					
Soluble in   Sensitive to   Explosive Y/	D:::: A			m.p	°C b.p.	°C	Hygroscopic	Y/N Hazar	dous Y / N
Billing Phone    All samples will be returned unless marked for municipal dispose   Return Sample   Customer Pickup   All Aurinum*   Report   Return Sample   Customer Pickup   Customer Pickup   Customer Pickup   Customer Pickup   All Aurinum*   Report   Return Sample   Return Sample   Report   Return Sample				Solu	ble in	Sens	sitive to	Explosi	ve Y / N
Return Sample	Rilling Phone				les will be r	returned <sup>†</sup> un	less marked	for municipal of	disposal.
### Payment Cash Check Credit Card (call with Info)    Political Payment Cash Check   Credit Card (call with Info)				_					
SERVICE   Carbon   WATER   Expected   MALLYSIS   Value %   Aluminum*   Aluminum*   Production				-	•	munic	ipal waste s	ystem.	
MEROAMALYSIS			all with info	) Custor	ner Pickup				
Standard	PO #			_					
Standard	SERVICE	MICROANALYSIS	Expected	WATER	Expected	METALS	Expected	METALS	Expected
High Priority*   - 2 working days			-		-		-		Value/Units
Check for availability of priority	☐ Priority <sup>†</sup> (~5 working days)	☐ Carbon		☐ Acidity		☐ Aluminum	*	☐ Rhodium	
Sommitted   Services prior to submitted   Services prior to submitted   Services   Suffer   Carbon Dioxide   Beryllium*   Sedenium*   Silicon*		☐ Hydrogen		☐ Alkalinity, T	otal	☐ Antimony*	·	☐ Rubidium	
Carbon Dioxide	Check for availability of priority	☐ Nitrogen (Dumas)		□ OH <sup>-</sup> , CO₃ <sup>-</sup> , I	HCO3 <sup>-</sup>				
As Received	•	☐ Nitrogen (Kjeldahl)		☐ Bromide		☐ Barium*			
Dry Wt. Basis		. •			ide				
Dother		. •							
Fluorine	· ·				/				
Raw Data with associated QC	⊔ Other	-							
Raw Data with associated QC									
Raw Data with associated Q(	OA/OC REPORTING								
Ash	_								
Sulfated							*		
Sulfated				□ pH		☐ Cobalt*		☐ Terbium	
Grind		□ Sulfated		☐ o-Phosphate	•	☐ Copper*		☐ Thallium*	
Grind	SAMPLE PREP <sup>†</sup>	☐ Carbonate Carbon		☐ P-Total		☐ Dysprosiur	n	☐ Thorium	
Extract in					lved	☐ Erbium			
Extract in	•								
Dry		•	-						
Temp			Value %						
Vacuum or	·								
□ forhours □ Constant Weight	·	•							
□ Constant Weight¹       □ Moisture       □ S-Thiosulfate       □ Indium       □ Zinc*       □ Zirconium         □ Other Instructions       □ Sulfur       □ Thiocyanate       □ Iridium       □ Indium       □ Zirconium         □ Sulfur Forms       □ Ultimate       □ Iridity       □ Iron*       □ CP-AES Scan(~30 elegation in ICP-AES Sca									
Report Weight Loss   Proximate   Sulfur   Indium   Indi					е				
SAMPLE HANDLING □ Ultimate □ Direct Oxygen □ Oxygen by Difference □ ORGANIC CARBON □ Store at 4°C □ ODC □ DOC □ TC □ Calorimetry (BTU) □ Density □ DRGANIC HALOGEN ANALYSIS □ TOX (water) □ EOX (solid) □ TX □ Sulfur Forms □ UV absorbance □ Uvabsorbance □ Uvabsorbance □ Untertium □ Lead* □ Lead* □ Lead* □ Lead* □ Lead* □ Lutetium □ IOC HROMATOGRAPHY □ Lutetium □ Anion Scan □ Anion Scan □ Specific lons - select □ Manganese* □ Doc □ Tc □ Calorimetry (BTU) □ Molybdenum* □ below □ Density □ Nickel* □ Density □ Density □ Density □ Density □ Nickel* □ Nickel	· ·	☐ Proximate		☐ S-Total		☐ lodine		☐ Zirconium	
Ultimate	☐ Other Instructions	☐ Sulfur		☐ Thiocyanate		☐ Iridium		*Included in ICP-	AES Scan
Direct Oxygen				•		☐ Iron*			
□ Handle Under N₂ <sup>†</sup> □ Store at 4°C □ RGANIC CARBON Expected ANALYSIS Value/Units □ DOC □ TOC □ TC □ Calorimetry (BTU) □ DRGANIC HALOGEN ANALYSIS Value/Units □ TOX (water) □ EOX (solid) □ TX □ Doxygen by Difference □ Value/Units □ Nitrogen (chemiluminescence) □ Magnesium* □ Magnese* □ Manganese* □ Manganese* □ Manganese* □ Manganese* □ Manganese* □ Specific lons – select WATER ANALYSIS or specific lons						1	ı		
ORGANIC CARBON Expected ANALYSIS Value/Units Special Instructions  ORGANIC CARBON Expected ANALYSIS Value/Units Special Instructions  ODC	_			OTHER					
ANALYSIS				□ Nitro non	Value/Units				
DOC			-	-	escence)				HAPHY
TOC			Value/Offics	-	-	_			- select from
□ TC	opoolal motractions			•				•	
ORGANIC HALOGEN					(BTU)		*		,
ANALYSIS    TOX (water)				☐ Density					
□ TOX (water)			-	☐ Flash Point		☐ Nickel*		Other	
□ EOX (solid) □ TX □ 1 point □ 4 point □ Palladium □ Phosphorus* □ Water (Karl Fischer) □ Platinum □ Other (list) □ Praseodymium			value/Units						
□ TX  Solvent □ Water (Karl Fischer) □ Other (list) □ Praseodymium □ Palladium □ Phosphorus* □ Platinum □ Potassium* □ Praseodymium									
Solvent					☐ 4 point				
□ Other (list)         □ Potassium*           □ Praseodymium         □ Praseodymium					Finals (A		s*		
□ Praseodymium					riscner)		*		
				- Other (list)					
I I nittiiuii						☐ Rhenium			