

Analytical Service Request & Chain of Custody Record for Environmental Samples page ___ of ___

Report to:				<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; text-align: center;"> <p>Please PRINT all information</p> </div> <div style="width: 40%;"> <p>Wyoming Analytical Laboratories, Inc</p> <p>1660 Harrison St Laramie, WY 82070 307-742-7995 Fax 307-721-8956 laramie@wal-lab.com</p> </div> <div style="width: 30%;"> <p>625 Center St Rock Springs, WY 82901 307-362-3176 Fax 307-362-3581 rocksprings@wal-lab.com</p> </div> </div>												
Company:																
Address:																
City, ST, Zip:																
Phone:		Fax:														
Email:				Organics			Inorganics			Metals			Notes / Lab No.			
Prefer Results by: Fax / Email / Hard Copy (circle all that apply)				SVOA, BNA, PAH (circle) by GC-MS 8270	VOC, BTEX, GRO (circle) by GC-MS 8260	BTEX, GRO, DRO, Fuel ID (circle) by GC 8015	TPH (circle) 418.1, 1664, 8015, 8260	F, Cl, NO2, NO3, NO2+NO3, Br, PO4, SO4, NH3 (circle)	Alkalinity, pH, cond, TDS, TSS, Turbidity (circle)	TOC, BOD, COD, H2S, Specific Gravity (circle)	Total/e.coli MPN, Fecal MPN, Total/e.coli Pass/Fail	As Rec'd, Total, Dissolved, TCLP, WyoLeach. (circle)	Group1, Ba, RCRA, TRI, Cu, Pb, Hg, List Below (circle)			
*Matrix: W-water, S-soil, SL-sludge, O-oil, G-gaseous, X-other: _____				# of containers	Preservation**	custody seals?										
**Preservation: T-4°C, A-acid _____, F-filtered, N-none, X-other: _____																
TAT: Standard / Expedite _____ days (subject to fee/availability)																
Project:		PO#:														
Sample ID		Date/Time		Matrix*												
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
Relinquished 1st	Print Name:			Relinquished 2nd	Print Name:			Special Instructions / Comments:								
	Signature:				Signature:											
	Date/Time:				Date/Time:											
	Shipped VIA:				Shipped VIA:											
Received 1st	Print Name:			Received 2nd	Print Name:											
	Signature:				Signature:											
	Date/Time:				Date/Time:											
WAL use only: Record discrepancies in sample condition upon receipt on WAL Doc#228 - SCUR																

GC-MS 8270 - Gas Chromatograph Mass Spectrometry for semi-volatile organic compounds
SVOA - Semi-Volatile Organic Analysis: searches for typical semi-volatile organic compounds
BNA - Base, Neutral, Acid: searches for a specific list of semi-volatile organic compounds
PAH - Polynuclear Aromatic Hydrocarbons: searches for a specific list of semi-volatile compounds

GC-MS 8260 - Gas Chromatograph Mass Spectrometry for volatile organic compounds, detects as low as ppb
VOA - Volatile Organic Analysis: searches for typical volatile organic compounds
BTEX - benzene, toluene, ethylbenzene, xylenes
GRO - Gasoline Range Organics: searches for hydrocarbons in the C6 to C10 range

GC 8015 - Gas Chromatography, detects as low as ppm
BTEX - benzene, toluene, ethylbenzene, xylenes
GRO - Gasoline Range Organics: searches for hydrocarbons in the C6 to C10 range
DRO - Diesel Range Organics: searches for hydrocarbons in the C10 to C32 range
Fuel ID - Hydrocarbon Fingerprint Analysis: determines presence and quantity of hydrocarbons in a sample

TPH - Total Petroleum Hydrocarbons
418.1 - TPH by freon extraction: rarely used outside of Wyoming
1664 - Oil & Grease: determines the presence of a wide range of hydrocarbons
8015 or 8260 - TPH in the gasoline and diesel ranges only determined by GC (8015) or GC & GC-MS (8260)

Typical Anions

F - Fluoride, **Cl** - Chloride, **NO₂** - Nitrite, **NO₃** - Nitrate, **Br** - Bromide, **PO₄** - Phosphate, **SO₄** - Sulfate, **NH₃** - Ammonia

Alkalinity - Carbonate and Bicarbonate

Total Alkalinity - Carbonate, Bicarbonate and Hydroxide

pH - determines whether the sample is acid, base or neutral in standard units

Cond - Conductivity

TDS - Total Dissolved Solids

TSS - Total Suspended Solids

TOC - Total Organic Carbon

BOD - Biological Oxygen Demand

COD - Chemical Oxygen Demand

H₂S - Hydrogen Sulfide (also Sulfide)

Metals - presence and quantity of specific elements as determined by ICP or ICP-Mass Spec

As Rec'd - analyze as received

Total - acid digestion of solids prior to analysis

Dissolved - filtered prior to analysis

TCLP - Toxicity Characteristic Leaching Procedure: an extraction process that mimics longterm rain/groundwater leaching of chemicals from waste material

WyoLeach - Wyoming Leaching Procedure: an extraction process typically for pit closure analysis, rarely used outside Wyoming

Group1 - Ca, Fe, Mg, Na, K

RCRA - Resource Conservation & Recovery Act of 1976: Cr, As, Se, Ag, Cd, Ba, Hg, Pb

TRI - Toxic Release Inventory: Be, Al, V, Cr, Mn, Co, Ni, Cu, Zn, As, Se, Mo, Ag, Cd, Sb, Ba, Hg, Tl, Pb, Th