

Expediente de evaluación: 008-2022-DEAM-EAS				CÓDIGO DE ACCIÓN: 0005-6-2022-412						
LOCALIDAD: Parcoy / Pataz / La Libertad										
PUNTO DE MUESTREO:		M-1		FECHA:		17/06/2022	HORA:	11:50		
UBICACIÓN: Río Llacuabamba, aguas arriba antes de las operaciones de CMHSA y aguas abajo de las operaciones de MARSÁ.										
COORDENADAS UTM WGS 84		pH (unid. de pH)	C.E. (µS/cm)	O.D. (mg/L)	T (°C)	Prof. (m)	Caudal (m3/s)	ORP (mV)	Turbidez (NTU)	
Zona: 18M		8.22	507	7.36	14.1	---	1.692	---	---	
Este (m): 227715										
Norte (m): 9111655										
Altitud (m s. n. m.): 2996										
Precisión (± m): 5		Matriz de agua		Estado del tiempo		Datos para determinar caudal				
		Agua superficial	X	Nublado	Largo (m)	Ancho (m)	Altura (m)	Volumen (L)	Tiempo (s)	V (m/s)
		Agua subterránea		Soleado	X					
OBSERVACIONES		Agua residual		Lluvia	---	2.0	0.5	---	---	0.3
		Agua salina		Nieve	---	2.0	1.0	---	---	0.5
		Otros		Otros	---	1.4	0.7	---	---	0.4
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Expediente de evaluación: 008-2022-DEAM-EAS				CÓDIGO DE ACCIÓN: 0005-6-2022-412							
LOCALIDAD: Parcoy / Pataz / La Libertad											
PUNTO DE MUESTREO:		M-7B-1		FECHA:		17/06/2022	HORA:	16:30			
UBICACIÓN:											
Río Parcoy, aguas arriba de la descarga de agua de mina del Túnel Balcón (M-7)											
COORDENADAS UTM WGS 84		pH (unid. de pH)	C.E. (µS/cm)	O.D. (mg/L)	T (°C)	Prof. (m)	Caudal (m3/s)	ORP (mV)	Turbidez (NTU)		
Zona: 18M		8.64	471	7.29	17.0	---	9.246	---	---		
Este (m): 225955											
Norte (m): 9115505											
Altitud (m s. n. m.): 2480											
Precisión (±m): 5		Matriz de agua		Estado del tiempo		Datos para determinar caudal					
		Agua superficial	X	Nublado		Largo (m)	Ancho (m)	Altura (m)	Volumen (L)	Tiempo (s)	V (m/s)
		Agua subterránea		Soleado	X	---	5.0	0.4	---	---	0.7
OBSERVACIONES		Agua residual		Lluvia		---	5.0	1.3	---	---	0.8
		Agua salina		Nieve		---	4.2	0.9	---	---	0.7
		Otros		Otros		-----	-----	-----	-----	-----	-
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Expediente de evaluación: 008-2022-DEAM-EAS				CÓDIGO DE ACCIÓN: 0005-6-2022-412						
LOCALIDAD: Parcoy / Pataz / La Libertad										
PUNTO DE MUESTREO:		M-10A-2		FECHA:		18/06/2022	HORA:	11:15		
UBICACIÓN: Río Parcoy, aguas debajo de la descarga del efluente proveniente de la planta de degradación "Chilcapampa" (M-10).										
COORDENADAS UTM WGS 84		pH (unid. de pH)	C.E. (µS/cm)	O.D. (mg/L)	T (°C)	Prof. (m)	Caudal (m3/s)	ORP (mV)	Turbidez (NTU)	
Zona: 18M		8.67	513	7.25	19.3	---	11.348	---	---	
Este (m): 224101										
Norte (m): 9118537										
Altitud (m s. n. m.): 2241		Matriz de agua		Estado del tiempo		Datos para determinar caudal				
Precisión (±m): 5		Agua superficial	X	Nublado	Largo (m)	Ancho (m)	Altura (m)	Volumen (L)	Tiempo (s)	V (m/s)
		Agua subterránea		Soleado	X					
OBSERVACIONES		Agua residual		Lluvia	---	5.0	0.6	---	---	0.7
		Agua salina		Nieve	---	50	1.3	---	---	08
		Otros		Otros	---	4.6	1.1	---	---	0.8
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Expediente de evaluación: 008-2022-DEAM-EAS				CÓDIGO DE ACCIÓN: 0005-6-2022-412						
LOCALIDAD: Parcoy / Pataz / La Libertad										
PUNTO DE MUESTREO:		AY-03	FECHA:		20/06/2022	HORA:		14:50		
UBICACIÓN:										
Aguas abajo del río Parcoy (después de la confluencia del río Yuracyacu)										
COORDENADAS UTM WGS 84		pH (unid. de pH)	C.E. (µS/cm)	O.D. (mg/L)	T (°C)	Prof. (m)	Caudal (m3/s)	ORP (mV)	Turbidez (NTU)	
Zona: 18M		8.59	386	7.53	19.9	---	19.0	---	---	
Este (m): 222473										
Norte (m): 9121931										
Altitud (m s. n. m.): 1951		Matriz de agua		Estado del tiempo		Datos para determinar caudal				
Precisión (± m): 5		Agua superficial	X	Nublado	Largo (m)	Ancho (m)	Altura (m)	Volumen (L)	Tiempo (s)	V (m/s)
		Agua subterránea		Soleado						
OBSERVACIONES		Agua residual		Lluvia	---	5.0	1.5	---	---	0.8
		Agua salina		Nieve	---	5.0	1.8	---	---	0.9
		Otros		Otros	---	5.2	1.2	---	---	0.8
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Expediente de evaluación: 008-2022-DEAM-EAS				CÓDIGO DE ACCIÓN: 0005-6-2022-412							
LOCALIDAD: Parcoy / Pataz / La Libertad											
PUNTO DE MUESTREO:		M-10		FECHA:		18/06/2022	HORA:	10:15			
UBICACIÓN:											
Efluente procedente de la planta de degradación Chilcapampa											
COORDENADAS UTM WGS 84		pH (unid. de pH)	C.E. (µS/cm)	O.D. (mg/L)	T (°C)	Prof. (m)	Caudal (m3/s)	ORP (mV)	Turbidez (NTU)		
Zona: 18M		8.74	734	6.32	21.1	---	0.00036932	---	---		
Este (m): 224113											
Norte (m): 9118444											
Altitud (m s. n. m.): --		Matriz de agua		Estado del tiempo		Datos para determinar caudal					
Precisión (± m): 5		Agua superficial	Nublado	X	Largo (m)	Ancho (m)	Altura (m)	Volumen (L)	Tiempo (s)	V (m/s)	
		Agua subterránea	Soleado		---	---	---	1	2.6	---	
OBSERVACIONES		Agua residual	X	Lluvia	---	---	---	1	2.78	---	
		Agua salina		Nieve	---	---	---	1	2.75	---	
		Otros		Otros	---	---	---	1	---	---	
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AGUA SUBTERRANEA											
Tipo (Piezómetro, pozo o manantial)					---		Nivel de agua (m)		---		
Profundidad del piezómetro (m)					---		Nivel piezométrico (m)		---		
Diámetro (pulg)					---		Stick up (m)		---		
Otros					---						
PUNTO DE MUESTREO:		EF-01		FECHA:		20/06/2022	HORA:	13:30			
UBICACIÓN:											
Efluente del depósito de relave filtrado Yurac yacu											
COORDENADAS UTM WGS 84		pH (unid. de pH)	C.E. (µS/cm)	O.D. (mg/L)	T (°C)	Prof. (m)	Caudal (m3/s)	ORP (mV)	Turbidez (NTU)		
Zona: 18M		8.02	852	7.23	21.3	---	0.0136	---	---		
Este (m): 222617											
Norte (m): 9121822											
Altitud (m s. n. m.): 1961		Matriz de agua		Estado del tiempo		Datos para determinar caudal					
Precisión (± m): 5		Agua superficial	Nublado	X	Largo (m)	Ancho (m)	Altura (m)	Volumen (L)	Tiempo (s)	V (m/s)	
		Agua subterránea	Soleado		---	0.20	0.08	---	---	0.3	
OBSERVACIONES		Agua residual	X	Lluvia	---	0.20	0.08	---	---	0.4	
		Agua salina		Nieve	---	0.10	0.08	---	---	0.3	
		Otros		Otros	---	---	---	---	---	---	
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AGUA SUBTERRANEA											
Tipo (Piezómetro, pozo o manantial)					---		Nivel de agua (m)		---		
Profundidad del piezómetro (m)					---		Nivel piezométrico (m)		---		
Diámetro (pulg)					---		Stick up (m)		---		
Otros					---						
Líder del equipo:			Wilmer Ugarte Lopez		FECHA:		22/06/2022				
Responsable de la toma de muestra:			Wilmer Ugarte Lopez		FECHA:		22/06/2022				



Expediente de evaluación: 008-2022-DEAM-EAS				CÓDIGO DE ACCIÓN: 0005-6-2022-412							
LOCALIDAD: Parcoy / Pataz / La Libertad											
PUNTO DE MUESTREO:		PA-14		FECHA:		21/06/2022		HORA:		10:30	
UBICACIÓN:											
Piezómetro ubicado en la parte baja del depósito de Relaves Alparmarca											
COORDENADAS UTM WGS 84		pH (unid. de pH)	C.E. (µS/cm)	O.D. (mg/L)	T (°C)	Prof. (m)	Caudal (m3/s)	ORP (mV)	Turbidez (NTU)		
Zona: 18M		8.35	267	7.35	19.1	---	---	---	---	---	
Este (m): 223581											
Norte (m): 9119339											
Altitud (m s. n. m.): 2201											
Precisión (±m): 5		Matriz de agua		Estado del tiempo		Datos para determinar caudal					
		Agua superficial		Nublado		Largo (m)	Ancho (m)	Altura (m)	Volumen (L)	Tiempo (s)	V (m/s)
		Agua subterránea	X	Soleado	X						
OBSERVACIONES		Agua residual		Lluvia		---	---	---	---	---	---
		Agua salina		Nieve		---	---	---	---	---	---
		Otros		Otros		---	---	---	---	---	---
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Expediente de evaluación: 008-2022-DEAM-EAS				CÓDIGO DE ACCIÓN: 0005-6-2022-412							
LOCALIDAD: Parcoy / Pataz / La Libertad											
PUNTO DE MUESTREO:		PA-16		FECHA:		21/06/2022	HORA:	11:10			
UBICACIÓN: Piezómetro ubicado en la parte baja del depósito de Relaves Alpamarca											
COORDENADAS UTM WGS 84		pH (unid. de pH)	C.E. (µS/cm)	O.D. (mg/L)	T (°C)	Prof. (m)	Caudal (m3/s)	ORP (mV)	Turbidez (NTU)		
Zona: 18M		---	---	---	---	---	---	---	---		
Este (m): 223560											
Norte (m): 9118280											
Altitud (m s. n. m.): 2298											
Precisión (± m): 5											
<b>OBSERVACIONES</b>    No hubo flujo.		<b>Matriz de agua</b>		<b>Estado del tiempo</b>		<b>Datos para determinar caudal</b>					
		Agua superficial		Nublado		Largo (m)	Ancho (m)	Altura (m)	Volumen (L)	Tiempo (s)	V (m/s)
		Agua subterránea	X	Soleado	X	---	---	---	---	---	---
		Agua residual		Lluvia		---	---	---	---	---	---
		Agua salina		Nieve		---	---	---	---	---	---
		Otros		Otros		---	---	---	---	---	---
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<b>AGUA SUBTERRÁNEA</b>											
<b>Tipo (Piezómetro, pozo o manantial)</b>					Piezómetro		<b>Nivel de agua (m)</b>		---		
<b>Profundidad del piezómetro (m)</b>					42		<b>Nivel piezométrico (m)</b>		13.9		
<b>Diámetro (pulg)</b>					2		<b>Stick up (m)</b>		---		
<b>Otros</b>					---						
PUNTO DE MUESTREO:		M-12		FECHA:		17/06/2022	HORA:	14:45			
UBICACIÓN: Aguas de mina del túnel Horizonte											
COORDENADAS UTM WGS 84		pH (unid. de pH)	C.E. (µS/cm)	O.D. (mg/L)	T (°C)	Prof. (m)					
Zona: 18M		--	--	---	--	---	---	---	---		
Este (m): 226331											
Norte (m): 9114198											
Altitud (m s. n. m.): --											
Precisión (± m): 5											
<b>OBSERVACIONES</b>    No hubo flujo.		<b>Matriz de agua</b>		<b>Estado del tiempo</b>		<b>Datos para determinar caudal</b>					
		Agua superficial		Nublado		Largo (m)	Ancho (m)	Altura (m)	Volumen (L)	Tiempo (s)	V (m/s)
		Agua subterránea		Soleado		---	---	---	---	---	---
		Agua residual		Lluvia		---	---	---	---	---	---
		Agua salina		Nieve		---	---	---	---	---	---
		Otros		Otros		---	---	---	---	---	---
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<b>AGUA SUBTERRÁNEA</b>											
<b>Tipo (Piezómetro, pozo o manantial)</b>							<b>Nivel de agua (m)</b>		---		
<b>Profundidad del piezómetro (m)</b>							<b>Nivel piezométrico (m)</b>		---		
<b>Diámetro (pulg)</b>							<b>Stick up (m)</b>		---		
<b>Otros</b>					No había flujo en el piezómetro						
Líder del equipo:		Wilmer Ugarte Lopez			FECHA:		22/06/2022				
Responsable de la toma de muestra:		Wilmer Ugarte Lopez			FECHA:		22/06/2022				

Expediente de evaluación: 008-2022-DEAM-EAS				CÓDIGO DE ACCIÓN: 0005-6-2022-412							
LOCALIDAD: Parcoy / Pataz / La Libertad											
PUNTO DE MUESTREO:		M-9		FECHA:		19/06/2022					
HORA:		10:15									
UBICACIÓN: Aguas de mina del túnel Horizonte											
COORDENADAS UTM WGS 84		pH (unid. de pH)	C.E. (µS/cm)	O.D. (mg/L)	T (°C)	Prof. (m)	Caudal (m3/s)	ORP (mV)	Turbidez (NTU)		
Zona: 18M		---	----	---	--	---	---	---	---		
Este (m): 223597											
Norte (m): 9119441											
Altitud (m s. n. m.): 2175		Matriz de agua		Estado del tiempo		Datos para determinar caudal					
Precisión (± m): 5		Agua superficial	<input type="checkbox"/>	Nublado	<input type="checkbox"/>	Largo (m)	Ancho (m)	Altura (m)	Volumen (L)	Tiempo (s)	V (m/s)
Zona: 18M		Agua subterránea	<input type="checkbox"/>	Soleado	<input checked="" type="checkbox"/>						
OBSERVACIONES  No hubo flujo.  		Agua residual	<input checked="" type="checkbox"/>	Lluvia	<input type="checkbox"/>	---	---	---	---	---	---
		Agua salina	<input type="checkbox"/>	Nieve	<input type="checkbox"/>	---	---	---	---	---	---
		Otros	<input type="checkbox"/>	Otros	<input type="checkbox"/>	---	---	---	---	---	---
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<b>AGUA SUBTERRANEA</b>											
Tipo (Piezómetro, pozo o manantial)						---		Nivel de agua (m)		---	
Profundidad del piezómetro (m)						---		Nivel piezométrico (m)		---	
Diámetro (pulg)						---		Stick up (m)		---	
Otros						---					
PUNTO DE MUESTREO:				FECHA:				HORA:			
UBICACIÓN:											
COORDENADAS UTM WGS 84		pH (unid. de pH)	C.E. (µS/cm)	O.D. (mg/L)	T (°C)	Prof. (m)					
Zona:		--	--	--	--	---	---	---	---	---	---
Este (m):											
Norte (m):											
Altitud (m s. n. m.):		Matriz de agua		Estado del tiempo		Datos para determinar caudal					
Precisión (± m):		Agua superficial	<input type="checkbox"/>	Nublado	<input type="checkbox"/>	Largo (m)	Ancho (m)	Altura (m)	Volumen (L)	Tiempo (s)	V (m/s)
		Agua subterránea	<input type="checkbox"/>	Soleado	<input type="checkbox"/>						
OBSERVACIONES  		Agua residual	<input type="checkbox"/>	Lluvia	<input type="checkbox"/>	---	---	---	---	---	---
		Agua salina	<input type="checkbox"/>	Nieve	<input type="checkbox"/>	---	---	---	---	---	---
		Otros	<input type="checkbox"/>	Otros	<input type="checkbox"/>	---	---	---	---	---	---
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<b>AGUA SUBTERRANEA</b>											
Tipo (Piezómetro, pozo o manantial)						---		Nivel de agua (m)		---	
Profundidad del piezómetro (m)						---		Nivel piezométrico (m)		---	
Diámetro (pulg)						---		Stick up (m)		---	
Otros						---					
Líder del equipo:		Wilmer Ugarte Lopez			FECHA:		22/06/2022				
Responsable de la toma de muestra:		Wilmer Ugarte Lopez			FECHA:		22/06/2022				