



PARAMETROS (FÍSICO, QUÍMICO Y BACTERIOLÓGICO) ANALIZADOS EN LABORATORIO

DEPARTAMENTO: LIMA

PROVINCIA: HUARAL

CODIGO IRHS	DISTRITO	IRHS	Este	Norte	HCO ³⁻ meq/L	CO ²⁻ meq/L	Cl ⁻ meq/L	NO ³⁻ meq/L	SO ⁴⁻ meq/L	Cs ⁺ meq/L	k meq/L	Mg ²⁺ meq/L	Na meq/L	mg/L de CaCO3	F	RAS	S	CE	C	TIPO WILCOX	Aniones	Aniones2	Cationes	BI-1	BI-2	Tipo	
15.06.01-PP-107	Huaral	107	256414	8736157	2.17	0	0.34	0.06	1.36	2.66	0.21	0.69	0.9	167.5	16.77	0.70	S1	520	C2	SIC2	3.93	3.87	4.46	6.32	7.08	Bicarbonatada Cálcica	
15.06.01-PP-144	Huaral	144	261028	8725969	2.32	0	0.33	0.04	1.5	3.36	0.04	0.76	0.72	206.0	20.62	0.50	S1	540	C2	SIC2	4.19	4.15	4.46	7.88	7.61	8.08	Bicarbonatada Cálcica
15.06.01-PP-1716	Huaral	1716	261648	8728405	2.29	0	0.61	0.2	1.83	5.14	0.05	0.98	0.9	306.0	30.64	0.51	S1	740	C2	SIC2	4.93	4.73	7.07	17.83	18.83	Bicarbonatada Cálcica	
15.06.01-PP-1738	Huaral	1738	260547	8731699	2.64	0	0.95	0.12	1.89	2.96	0.16	0.73	2.91	184.5	18.47	0.14	S1	740	C2	SIC2	5.8	5.68	6.75	7.57	8.61	Bicarbonatada Cálcica	
15.06.01-PP-2407	Huaral	2407	262499	8727450	1.96	0.68	0.46	0.05	1.81	3.61	0.05	0.86	0.67	223.5	22.37	0.45	S1	580	C2	SIC2	4.96	4.91	5.19	2.27	2.77	Bicarbonatada Cálcica	
15.06.01-PP-2434	Huaral	2434	260252	8723049	2.73	0	0.51	0.2	1.85	4.36	0.03	0.99	0.94	267.5	26.78	0.57	S1	700	C2	SIC2	5.29	5.09	6.32	8.87	10.78	Bicarbonatada Cálcica	
15.06.01-PP-75	Huaral	75	260884	8726918	2.09	0	0.31	0.04	1.49	3.12	0.04	0.68	0.62	190.0	19.02	0.45	S1	490	C2	SIC2	3.93	3.89	4.46	6.32	6.83	Bicarbonatada Cálcica	
15.06.01-PP-94	Huaral	94	263365	8728166	2.21	0	0.41	0.04	1.62	3.52	0.05	0.81	0.7	216.5	21.67	0.48	S1	550	C2	SIC2	4.28	4.24	5.08	8.55	9.01	Bicarbonatada Cálcica	
15.06.01-PP-10	Huaral	10	263904	8733426	3	0.65	1.8	0.43	2.76	2.51	0.2	0.67	0.77	159.0	15.92	0.57	S1	1140	C3	SIC3	8.64	8.21	10.15	8.04	10.57	Bicarbonatada Sódica	
15.06.01-PP-127	Huaral	127	258278	8726580	3.22	0	0.52	0.24	1.89	5.16	0.05	1.1	1.07	313.0	31.34	0.60	S1	770	C3	SIC3	5.87	5.63	7.38	11.40	13.45	Bicarbonatada Cálcica	
15.06.01-PP-1539	Huaral	1539	257882	8730767	2.95	0	0.75	0.23	1.99	4.37	0.13	0.98	2.37	267.5	26.78	1.45	S1	810	C3	SIC3	5.92	5.69	7.85	14.02	15.95	Bicarbonatada Cálcica	
15.06.01-PP-169	Huaral	169	255132	8732375	2.43	0.71	1.88	0.82	3.69	3.47	0.22	1.06	6.43	226.0	22.52	4.29	S1	1240	C3	SIC3	9.53	8.71	11.15	7.83	12.29	Sulfatada Sódica	
15.06.01-PP-1713	Huaral	1713	258029	8732882	2.8	0	0.29	0.36	1.91	3.12	0.14	0.85	3.81	198.5	19.87	2.70	S1	850	C3	SIC3	6.36	6	7.92	10.92	13.79	Bicarbonatada Sódica	
15.06.01-PP-1772	Huaral	1772	252524	8729157	3.85	0	3.77	0.4	4.55	7.37	0.13	1.86	6.43	461.5	46.20	2.99	S1	1650	C3	SIC3	12.57	12.17	15.79	11.35	12.95	Sulfatada Cálcica	
15.06.01-PP-1776	Huaral	1776	253425	8727973	3.07	0	0.52	0.51	5.17	6.74	0.23	2.92	5.14	483.0	48.33	2.34	S1	1740	C3	SIC3	14.07	13.56	15.03	3.30	5.14	Clorurada	
15.06.01-PP-183	Huaral	183	256427	8731491	2.94	0	0.75	0.43	1.88	4.92	0.18	1.39	1.15	315.5	31.58	0.65	S1	800	C3	SIC3	6	5.57	7.64	12.02	15.67	Bicarbonatada Cálcica	
15.06.01-PP-1835	Huaral	1835	254469	8728150	3.64	0	0.89	0.38	2	6.04	0.07	1.22	1.27	363.0	36.34	0.67	S1	890	C3	SIC3	6.91	6.53	8.6	10.90	13.68	Bicarbonatada Cálcica	
15.06.01-PP-187	Huaral	187	256166	8726121	3.64	0	0.94	0.18	4.51	6.19	0.06	2.11	2.1	415.0	41.53	1.03	S1	1090	C3	SIC3	9.27	9.09	10.46	6.03	7.07	Sulfatada Cálcica	
15.06.01-PP-196	Huaral	196	255682	8727816	3.62	0	0.48	0.36	2.11	5.95	0.17	1.17	1.54	366.0	36.64	0.82	S1	920	C3	SIC3	6.89	6.53	8.83	12.34	14.91	Bicarbonatada Cálcica	
15.06.01-PP-2027	Huaral	2027	259667	8729967	3.91	0	0.92	0.26	1.97	5.73	0.08	1.22	1.51	347.5	34.79	0.81	S1	900	C3	SIC3	7.06	6.8	8.54	9.49	11.34	Bicarbonatada Cálcica	
15.06.01-PP-230	Huaral	230	255275	8729731	2.69	0	0.9	0.18	2.33	5.26	0.1	1.11	2.36	318.5	31.89	1.32	S1	910	C3	SIC3	6.1	5.92	8.83	18.29	19.73	Bicarbonatada Cálcica	
15.06.01-PP-231	Huaral	231	254046	8729770	3.13	0	1.22	0.18	3.46	5.39	0.08	1.16	3.94	327.5	32.79	2.18	S1	1090	C3	SIC3	7.99	7.81	10.57	13.90	15.02	Sulfatada Cálcica	
15.06.01-PP-2546	Huaral	2546	258247	8728914	3.16	0	0.64	0.18	1.8	5.2	0.06	1.08	1.06	314.0	31.44	0.60	S1	760	C3	SIC3	5.78	5.6	7.4	12.29	13.85	Bicarbonatada Cálcica	
15.06.01-PP-322	Huaral	322	259413	8725662	4.26	0	1.16	1.28	3.95	9.24	0.06	1.76	2.42	550.0	55.07	1.03	S1	1400	C3	SIC3	10.85	9.37	13.48	11.73	17.99	Bicarbonatada Cálcica	
15.06.01-PP-360	Huaral	360	259326	8734121	3.22	0	1.2	0.26	2.2	5.12	0.22	1.16	2.44	314.0	31.43	1.15	S1	930	C3	SIC3	6.88	6.62	8.52	10.85	12.35	Bicarbonatada Cálcica	
15.06.01-PP-399	Huaral	399	267444	8733839	2.43	0	0.63	0.12	1.62	4.31	0.11	1.13	2	272.0	27.23	1.21	S1	780	C3	SIC3	4.8	4.68	7.55	22.27	23.47	Bicarbonatada Sódica	
15.06.01-PP-449	Huaral	449	256969	8727470	3.29	0	0.71	0.41	2.1	5.71	0.06	1.16	1.14	343.5	34.39	0.62	S1	840	C3	SIC3	6.51	6.1	8.07	10.70	13.90	Bicarbonatada Cálcica	
15.06.01-PP-48	Huaral	48	259297	8731765	3.16	0	1.31	0.27	1.87	2.87	0.14	0.88	3.75	187.5	18.77	2.74	S1	870	C3	SIC3	6.61	6.34	7.64	7.23	9.30	Bicarbonatada Sódica	
15.06.01-PP-573	Huaral	573	259840	8721853	3.51	0	0.87	0.32	3.19	7.03	0.1	1.57	1.58	430.0	43.05	0.76	S1	980	C3	SIC3	7.89	7.57	10.28	13.15	15.18	Bicarbonatada Cálcica	
15.06.01-PP-753	Huaral	753	258241	8729311	3.27	0	0.66	0.28	1.87	5.15	0.06	1.04	1.17	309.5	30.99	0.67	S1	820	C3	SIC3	6.08	5.8	7.42	9.93	12.26	Bicarbonatada Cálcica	
15.06.01-PP-80	Huaral	80	260219	8724766	3.04	0	0.71	0.2	1.58	4.69	0.31	1.01	1.22	285.0	28.53	0.72	S1	770	C3	SIC3	5.93	5.73	7.23	9.88	11.57	Bicarbonatada Cálcica	
15.06.01-PP-84	Huaral	84	253907	8731341	2.76	0.63	0.78	0.43	1.77	3.35	0.17	0.78	3.18	206.5	20.67	2.21	S1	840	C3	SIC3	6.37	5.94	7.48	8.01	11.48	Bicarbonatada Cálcica	
15.06.01-PP-86	Huaral	86	268039	8732650	3	0.7	0.72	0.21	2.23	5.13	0.1	1.18	1.35	315.5	31.58	0.76	S1	830	C3	SIC3	6.86	6.65	7.76	6.16	7.70	Bicarbonatada Cálcica	
15.06.01-PP-866	Huaral	866	256327	8728798	3.75	0	0.99	0.76	2.35	6.77	0.15	1.2	1.99	395.5	39.50	1.00	S1	1070	C3	SIC3	7.85	7.09	10.11	12.58	17.56	Bicarbonatada Cálcica	
15.06.01-PP-374	Huaral	374	258046	8724963	2.32	0	30.96	0.66	5.30	25.73	0.2	6.95	9.08	1634.0	163.56	2.25	S1	4660	C4	SIC4	39.24	38.58	41.96	3.35	4.20	Clorurada Cálcica	
15.06.01-PP-1048	Huaral	1048	251413	8730863	4.85	0	2.31	0.28	2.83	2.86	0.12	0.96	8.31	176.0	17.62	6.26	S2	1310	C3	SC23	10.27	9.99	11.95	9.52	8.23	Bicarbonatada Sódica	
15.06.01-PP-161	Huaral	161	254254	8734299	3.98	0	1.13	0.26	2.12	1.61	0.14	0.45	7.87	103.0	10.31	7.75	S2	980	C3	SC23	7.49	7.23	10.07	14.69	16.54	Bicarbonatada Sódica	
15.06.01-PP-1714	Huaral	1714	258213	8734125	2.68	0	2.86	0.35	1.92	2.14	0.06	0.46	6.43	130.0	13.01	5.64	S2	1040	C3	SC23	7.81	7.46	9.09	7.57	8.85	Clorurada Sódica	
15.06.01-PP-22	Huaral	22	255254	8735351	3.23	1.09	1.41	0.30	2.27	0.77	0.1	0.27	7.92	52.0	5.20	10.98	S2	1000	C3	SC23	8.3	8	9.06	4.38	6.21	Bicarbonatada Sódica	
15.06.01-PP-2446	Huaral	2446	252992	8735717	2.25	0.56	3.11	0.20	5.11	2.15	0.07	0.67	9.05	141.0	14.11	7.62	S2	1350	C3	SC23	11.23	11.03	11.94	3.06	3.96	Sulfatada Sódica	
15.06.01-PP-89	Huaral	89	255688	8733140	3.11	0	3.03	0.41	3.63	0.87	0.73	0.21	9.48	54.0	5.41	12.90	S3	1360	C3	SC3	10.18	9.77	11.29	5.17	7.22	Sulfatada Sódica	
15.06.05-PP-569	Chancay	569	255132	8723263	2.42	0.69	0.55	0.07	1.94	4.14	0.12	1.05	0.87	259.5	25.98	0.54	S1	670	C2	SIC2	5.67	5.6	6.18	4.30	4.92	Bicarbonatada Cálcica	
15.06.05-PP-985	Chancay	985	252949	8724296	2.98	0	0.92	0.21	3.06	6.06	0.07	1.45	1.4	375.5	37.59	0.72	S1	490	C2	SIC2	7.17	6.96	8.98	11.21	12.67	Sulfatada Cálcica	
15.06.05-PP-04	Chancay	4	251455	8723884	2.26	0	1.25	0.70	4.19	7.06	0.13	2.04	1.95	455.0	45.54	0.91	S1	1170	C3	SIC3	8.4	7.7	11.18	14.20	18.43	Sulfatada Cálcica	
15.06.05-PP-1106	Chancay	1106	248089	8730231	4.38	0	2.96	0.63	3.90	4.05	0.18	1.32	7.16	268.5	26.87	4.37	S1	1440	C3	SIC3	11.47	10.84	12.71	5.13	7.94	Bicarbonatada Cálcica	
15.06.05-PP-133	Chancay	133	255655	8715897	2.39	0	2.57	0.38	3.08	6.63	0.1	1.58	2.03	410.5	41.09	1.00	S1	1120	C3	SIC3	8.42	8.04	10.34	10.23			



PARÁMETROS (FÍSICO, QUÍMICO Y BACTERIOLÓGICO) ANALIZADOS EN LABORATORIO

DEPARTAMENTO: LIMA

PROVINCIA: HUARAL

CODIGO IRHS	DISTRITO	IRHS	Este	Norte	HCO ³⁻ meq/L	CO ³⁻ meq/L	Cl ⁻ meq/L	NO ⁻ meq/L	SO ⁴⁻ meq/L	Cs ⁺ meq/L	k meq/L	Mg ²⁺ meq/L	Na meq/L	mg/L de CaCO3	°F	RAS	S	CE	C	TIPO WILCOX	Aniones	Aniones2	Cationes	BI-1	BI-2	Tipo
15.06.04-PP-246	Aucallama	246	256008	8714634	2.61	0	1.60	0.42	11.63	7.53	0.16	2.13	2.98	483.0	48.34	1.96	S1	1340	C3	SIC3	16.26	15.84	12.8	-11.91	-10.61	Sulfatada Cálcica
15.06.04-PP-324	Aucallama	324	258673	8717766	3.78	0	1.47	0.97	3.67	7.96	0.1	1.97	2.93	496.5	49.70	1.31	S1	1320	C3	SIC3	9.89	8.92	12.96	13.44	18.46	Bicarbonatada Cálcica
15.06.04-PP-352	Aucallama	352	259801	8717300	4.2	0	2.2	0.59	5.05	7.08	0.12	2.56	5.97	482.0	48.23	2.72	S1	1520	C3	SIC3	12.04	11.45	15.73	13.29	15.75	Sulfatada Cálcica
15.06.04-PP-360	Aucallama	360	261532	8717201	3.2	0	0.99	0.22	2.15	2.62	0.46	1.59	2.8	210.5	21.05	1.93	S1	820	C3	SIC3	6.56	6.34	7.47	6.49	8.18	Bicarbonatada Sódica
15.06.04-PP-408	Aucallama	408	260663	8718599	4.76	0	1.21	0.65	2.09	6.78	0.14	2.12	2.72	445.0	44.54	1.29	S1	1180	C3	SIC3	8.71	8.06	11.76	14.90	18.67	Bicarbonatada Cálcica
15.06.04-PP-443	Aucallama	443	260871	8720481	3.45	0	0.99	0.66	2.91	5.76	0.05	1.52	2.85	364.0	36.44	1.49	S1	1100	C3	SIC3	8.01	7.35	10.18	11.93	16.14	Bicarbonatada Cálcica
15.06.04-PP-487	Aucallama	487	262208	8721061	3.32	0	0.69	0.75	2.99	6.53	0.05	1.57	1.45	405.0	40.54	0.72	S1	1010	C3	SIC3	7.75	7	9.6	10.66	15.66	Bicarbonatada Cálcica
15.06.04-PP-490	Aucallama	490	262652	8719982	2.6	0	0.69	0.42	1.96	3.1	0.29	2.36	1.2	273.0	27.30	0.73	S1	780	C3	SIC3	5.67	5.25	6.95	10.14	13.93	Bicarbonatada Cálcica
15.06.04-PP-60	Aucallama	60	262764	8718035	2.99	0	1.03	0.16	1.91	3.65	0.16	1.67	1.8	266.0	26.61	1.10	S1	790	C3	SIC3	6.09	5.93	7.28	8.90	10.22	Bicarbonatada Cálcica
15.06.04-PP-65	Aucallama	65	262540	8723173	3.33	0	1.12	0.45	2.86	5.1	0.11	1.45	3.51	327.5	32.78	1.94	S1	970	C3	SIC3	7.76	7.31	10.17	13.44	16.36	Bicarbonatada Cálcica
15.06.04-PP-79	Aucallama	79	257571	8716968	3.43	0	1.82	0.72	3.5	6.27	0.09	1.86	3.64	406.5	40.69	1.81	S1	1250	C3	SIC3	9.47	8.75	11.86	11.20	15.09	Sulfatada Cálcica
15.06.04-PP-301	Aucallama	301	258979	8716991	1.64	0	24.39	0.6	7.14	12.62	0.61	3.7	19.35	816.0	81.67	6.77	S2	4080	C4	S2C4	33.77	33.17	39.28	3.58	4.48	Clorurada Sódica
15.06.04-PP-362	Aucallama	362	262115	8716376	0.97	0	27.01	0.96	6.22	4.89	0.44	2.12	28.05	350.5	35.07	14.98	S4	4170	C4	S4C4	35.16	34.2	35.5	0.48	1.87	Clorurada Sódica
15.06.04-PP-124	Aucallama	124	266758	8729978	2.46	0	0.47	0.1	2.06	4.39	0.06	0.98	0.84	268.5	26.88	0.51	S1	690	C2	SIC2	5.09	4.99	6.27	10.39	11.37	Bicarbonatada Cálcica
15.06.04-PP-134	Aucallama	134	268083	8728272	2.46	0.35	0.50	0.13	1.54	3.93	0.08	1.09	0.96	251.0	25.12	0.61	S1	620	C2	SIC2	4.98	4.85	6.06	9.78	11.09	Bicarbonatada Cálcica
15.06.04-PP-140	Aucallama	140	266782	8728294	2.85	0.42	0.6	0.13	1.68	4.11	0.04	1.1	1.38	260.5	26.08	0.86	S1	700	C2	SIC2	5.68	5.55	6.63	7.72	8.87	Bicarbonatada Cálcica
15.06.04-PP-184	Aucallama	184	265375	8726636	2.34	0	0.67	0.26	1.76	3.87	0.07	1.05	1.7	246.0	24.62	1.08	S1	730	C2	SIC2	5.03	4.77	6.69	14.16	16.75	Bicarbonatada Cálcica
15.06.04-PP-112	Aucallama	112	262672	8726698	3.53	0	0.7	0.08	2.75	5.18	0.04	1.6	1.39	339.0	33.93	0.75	S1	810	C3	SIC3	7.06	6.98	8.21	7.53	8.10	Bicarbonatada Cálcica
15.06.04-PP-118	Aucallama	118	273483	8730064	2.6	0	1.95	0.07	3.59	5.74	0.04	1.58	1.94	366.0	36.63	1.01	S1	1000	C3	SIC3	8.21	8.14	9.3	6.23	6.65	Sulfatada Cálcica
15.06.04-PP-121	Aucallama	121	277340	8727450	2.45	0	1.06	0.13	2.99	5.22	0.06	1.62	1.6	342.0	34.23	0.87	S1	870	C3	SIC3	6.63	6.5	8.5	12.36	13.33	Sulfatada Cálcica
15.06.04-PP-131	Aucallama	131	266211	8728980	2.48	0	0.89	0.09	2.02	5.01	0.04	1.25	0.99	313.0	31.33	0.56	S1	790	C3	SIC3	5.48	5.39	7.29	14.17	14.98	Bicarbonatada Cálcica
15.06.04-PP-193	Aucallama	193	265084	8727862	2.86	0	0.73	0.11	2.07	4.81	0.04	1.31	1.21	306.0	30.63	0.69	S1	790	C3	SIC3	5.77	5.66	7.37	12.18	13.12	Bicarbonatada Cálcica
15.06.04-PP-30	Aucallama	30	274277	8728831	3.25	0	1.04	0.11	3.17	5.09	0.04	1.65	1.33	337.0	33.73	0.72	S1	920	C3	SIC3	7.57	7.46	8.11	3.44	4.17	Bicarbonatada Cálcica
15.06.04-PP-41	Aucallama	41	272232	8730599	2.66	0	0.77	0.04	1.85	5.79	0.04	1.73	1.64	376.0	37.63	0.85	S1	980	C3	SIC3	5.32	5.28	9.2	26.72	27.07	Bicarbonatada Cálcica