

Metals
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INTERFERENCE CHECK SAMPLE

Client: Langan Engineering and Environmental Services, Ir

SDG No.: Q3310

Contract: LANG01

Lab Code: ACE

ICS Source: EPA

Instrument ID: P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	252000	255000	99	216000	294000	10/10/2025	12:29	LB137500
	Antimony	0.92			-50	50	10/10/2025	12:29	LB137500
	Arsenic	5.57			-20	20	10/10/2025	12:29	LB137500
	Barium	4.33	6.0	72	-94	106	10/10/2025	12:29	LB137500
	Beryllium	1.56			-6	6	10/10/2025	12:29	LB137500
	Cadmium	1.46	1.0	146	-5	7	10/10/2025	12:29	LB137500
	Calcium	243000	245000	99	208000	282000	10/10/2025	12:29	LB137500
	Chromium	49.5	52.0	95	42	62	10/10/2025	12:29	LB137500
	Cobalt	1.26			-30	30	10/10/2025	12:29	LB137500
	Copper	-7.17	2.0	358	-18	22	10/10/2025	12:29	LB137500
	Iron	99700	101000	99	85600	116500	10/10/2025	12:29	LB137500
	Lead	-2.66			-12	12	10/10/2025	12:29	LB137500
	Magnesium	253000	255000	99	216000	294000	10/10/2025	12:29	LB137500
	Manganese	-1.90	7.0	27	-13	27	10/10/2025	12:29	LB137500
	Nickel	3.68	2.0	184	-38	42	10/10/2025	12:29	LB137500
	Potassium	-15.0			0	0	10/10/2025	12:29	LB137500
	Selenium	-4.74			-20	20	10/10/2025	12:29	LB137500
	Silver	1.17			-10	10	10/10/2025	12:29	LB137500
	Sodium	55.0			0	0	10/10/2025	12:29	LB137500
	Thallium	17.3			-40	40	10/10/2025	12:29	LB137500
	Vanadium	7.63			-40	40	10/10/2025	12:29	LB137500
	Zinc	-6.80			-40	40	10/10/2025	12:29	LB137500
ICSAB01	Aluminum	258000	247000	104	209000	285000	10/10/2025	12:33	LB137500
	Antimony	628	618	102	525	711	10/10/2025	12:33	LB137500
	Arsenic	111	104	107	88.4	120	10/10/2025	12:33	LB137500
	Barium	517	537	96	437	637	10/10/2025	12:33	LB137500
	Beryllium	518	495	105	420	570	10/10/2025	12:33	LB137500
	Cadmium	1030	972	106	826	1120	10/10/2025	12:33	LB137500
	Calcium	245000	235000	104	199000	271000	10/10/2025	12:33	LB137500
	Chromium	586	542	108	460	624	10/10/2025	12:33	LB137500
	Cobalt	521	476	110	404	548	10/10/2025	12:33	LB137500
	Copper	492	511	96	434	588	10/10/2025	12:33	LB137500
	Iron	107000	99300	108	84400	114500	10/10/2025	12:33	LB137500
	Lead	47.9	49.0	98	37	61	10/10/2025	12:33	LB137500
	Magnesium	258000	248000	104	210000	286000	10/10/2025	12:33	LB137500
	Manganese	499	507	98	430	584	10/10/2025	12:33	LB137500
	Nickel	1040	954	109	810	1100	10/10/2025	12:33	LB137500
	Potassium	-27.6			0	0	10/10/2025	12:33	LB137500
	Selenium	50.3	46.0	109	26	66	10/10/2025	12:33	LB137500
	Silver	222	201	110	170	232	10/10/2025	12:33	LB137500
	Sodium	113			0	0	10/10/2025	12:33	LB137500
	Thallium	113	108	105	68	148	10/10/2025	12:33	LB137500

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Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	513	491	104	417	565	10/10/2025	12:33	LB137500
	Zinc	1090	952	114	809	1095	10/10/2025	12:33	LB137500