

Metals
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INTERFERENCE CHECK SAMPLE

Client:	<u>JACOBS Engineering Group, Inc.</u>	SDG No.:	<u>P3467</u>
Contract:	<u>JACO05</u>	Lab Code:	<u>CHEM</u>
		Case No.:	<u>P3467</u>
SAS No.:		Instrument ID:	<u>P4</u>

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	266000	255000	104	216000	294000	08/07/2024	16:12	LB131900
	Antimony	-1.84			-50	50	08/07/2024	16:12	LB131900
	Arsenic	4.35			-20	20	08/07/2024	16:12	LB131900
	Barium	6.14	6.0	102	-94	106	08/07/2024	16:12	LB131900
	Beryllium	0.93			-6	6	08/07/2024	16:12	LB131900
	Boron	12.4	1000	1	-100	100	08/07/2024	16:12	LB131900
	Cadmium	3.70	1.0	370	-5	7	08/07/2024	16:12	LB131900
	Calcium	253000	245000	103	208000	282000	08/07/2024	16:12	LB131900
	Chromium	56.8	52.0	109	42	62	08/07/2024	16:12	LB131900
	Cobalt	2.84			-30	30	08/07/2024	16:12	LB131900
	Copper	9.27	2.0	464	-18	22	08/07/2024	16:12	LB131900
	Iron	102000	101000	101	85600	116500	08/07/2024	16:12	LB131900
	Lead	5.55			-12	12	08/07/2024	16:12	LB131900
	Magnesium	272000	255000	107	216000	294000	08/07/2024	16:12	LB131900
	Manganese	16.2	7.0	231	-13	27	08/07/2024	16:12	LB131900
	Molybdenum	0.026	1000		-200	200	08/07/2024	16:12	LB131900
	Nickel	3.43	2.0	172	-38	42	08/07/2024	16:12	LB131900
	Potassium	-48.6			0	0	08/07/2024	16:12	LB131900
	Selenium	-7.63			-20	20	08/07/2024	16:12	LB131900
	Silver	2.04			-10	10	08/07/2024	16:12	LB131900
	Sodium	17.5			0	0	08/07/2024	16:12	LB131900
	Strontium	3.47			0	0	08/07/2024	16:12	LB131900
	Thallium	2.30			-40	40	08/07/2024	16:12	LB131900
	Tin	-2.89	1000		-40	40	08/07/2024	16:12	LB131900
	Titanium	-3.00			0	0	08/07/2024	16:12	LB131900
	Vanadium	5.23			-40	40	08/07/2024	16:12	LB131900
	Zinc	2.26			-40	40	08/07/2024	16:12	LB131900
ICSAB01	Aluminum	250000	247000	101	209000	285000	08/07/2024	16:16	LB131900
	Antimony	605	618	98	525	711	08/07/2024	16:16	LB131900
	Arsenic	103	104	99	88.4	120	08/07/2024	16:16	LB131900
	Barium	516	537	96	437	637	08/07/2024	16:16	LB131900
	Beryllium	494	495	100	420	570	08/07/2024	16:16	LB131900
	Boron	1010	1000	101	850	1150	08/07/2024	16:16	LB131900
	Cadmium	968	972	100	826	1120	08/07/2024	16:16	LB131900
	Calcium	237000	235000	101	199000	271000	08/07/2024	16:16	LB131900
	Chromium	565	542	104	460	624	08/07/2024	16:16	LB131900
	Cobalt	501	476	105	404	548	08/07/2024	16:16	LB131900
	Copper	488	511	96	434	588	08/07/2024	16:16	LB131900
	Iron	101000	99300	102	84400	114500	08/07/2024	16:16	LB131900
	Lead	55.1	49.0	112	37	61	08/07/2024	16:16	LB131900
	Magnesium	253000	248000	102	210000	286000	08/07/2024	16:16	LB131900
	Manganese	510	507	101	430	584	08/07/2024	16:16	LB131900

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INTERFERENCE CHECK SAMPLE

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467
Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467
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
ICSAB01	Molybdenum	1070	1000	107	850	1150	08/07/2024	16:16	LB131900
	Nickel	992	954	104	810	1100	08/07/2024	16:16	LB131900
	Potassium	-74.2			0	0	08/07/2024	16:16	LB131900
	Selenium	34.4	46.0	75	26	66	08/07/2024	16:16	LB131900
	Silver	221	201	110	170	232	08/07/2024	16:16	LB131900
	Sodium	3.05			0	0	08/07/2024	16:16	LB131900
	Strontium	863			0	0	08/07/2024	16:16	LB131900
	Thallium	103	108	95	68	148	08/07/2024	16:16	LB131900
	Tin	1070	1000	107	850	1150	08/07/2024	16:16	LB131900
	Titanium	1050			0	0	08/07/2024	16:16	LB131900
	Vanadium	487	491	99	417	565	08/07/2024	16:16	LB131900
	Zinc	1090	952	114	809	1095	08/07/2024	16:16	LB131900
ICSA01	Aluminum	259000	255000	102	216000	294000	08/21/2024	13:37	LB132113
	Antimony	-1.88			-50	50	08/21/2024	13:37	LB132113
	Arsenic	5.06			-20	20	08/21/2024	13:37	LB132113
	Barium	6.68	6.0	111	-94	106	08/21/2024	13:37	LB132113
	Beryllium	1.09			-6	6	08/21/2024	13:37	LB132113
	Boron	29.2	1000	3	-100	100	08/21/2024	13:37	LB132113
	Cadmium	-2.47	1.0	247	-5	7	08/21/2024	13:37	LB132113
	Calcium	244000	245000	100	208000	282000	08/21/2024	13:37	LB132113
	Chromium	58.7	52.0	113	42	62	08/21/2024	13:37	LB132113
	Cobalt	2.35			-30	30	08/21/2024	13:37	LB132113
	Copper	21.8	2.0	1090	-18	22	08/21/2024	13:37	LB132113
	Iron	108000	101000	107	85600	116500	08/21/2024	13:37	LB132113
	Lead	3.22			-12	12	08/21/2024	13:37	LB132113
	Magnesium	258000	255000	101	216000	294000	08/21/2024	13:37	LB132113
	Manganese	15.2	7.0	217	-13	27	08/21/2024	13:37	LB132113
	Molybdenum	0.72	1000		-200	200	08/21/2024	13:37	LB132113
	Nickel	3.37	2.0	168	-38	42	08/21/2024	13:37	LB132113
	Potassium	-93.1			0	0	08/21/2024	13:37	LB132113
	Selenium	-6.48			-20	20	08/21/2024	13:37	LB132113
	Silver	3.88			-10	10	08/21/2024	13:37	LB132113
	Sodium	-79.6			0	0	08/21/2024	13:37	LB132113
	Strontium	-10.4			0	0	08/21/2024	13:37	LB132113
	Thallium	7.87			-40	40	08/21/2024	13:37	LB132113
	Tin	-2.32	1000		-40	40	08/21/2024	13:37	LB132113
	Titanium	-0.61			0	0	08/21/2024	13:37	LB132113
	Vanadium	5.05			-40	40	08/21/2024	13:37	LB132113
	Zinc	7.21			-40	40	08/21/2024	13:37	LB132113
ICSAB01	Aluminum	248000	247000	100	209000	285000	08/21/2024	14:00	LB132113
	Antimony	606	618	98	525	711	08/21/2024	14:00	LB132113
	Arsenic	103	104	99	88.4	120	08/21/2024	14:00	LB132113

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Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467
Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467
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
ICSAB01	Barium	493	537	92	437	637	08/21/2024	14:00	LB132113
	Beryllium	497	495	100	420	570	08/21/2024	14:00	LB132113
	Boron	1030	1000	103	850	1150	08/21/2024	14:00	LB132113
	Cadmium	944	972	97	826	1120	08/21/2024	14:00	LB132113
	Calcium	235000	235000	100	199000	271000	08/21/2024	14:00	LB132113
	Chromium	546	542	101	460	624	08/21/2024	14:00	LB132113
	Cobalt	498	476	105	404	548	08/21/2024	14:00	LB132113
	Copper	511	511	100	434	588	08/21/2024	14:00	LB132113
	Iron	97700	99300	98	84400	114500	08/21/2024	14:00	LB132113
	Lead	50.0	49.0	102	37	61	08/21/2024	14:00	LB132113
	Magnesium	247000	248000	100	210000	286000	08/21/2024	14:00	LB132113
	Manganese	495	507	98	430	584	08/21/2024	14:00	LB132113
	Molybdenum	1100	1000	110	850	1150	08/21/2024	14:00	LB132113
	Nickel	988	954	104	810	1100	08/21/2024	14:00	LB132113
	Potassium	-211			0	0	08/21/2024	14:00	LB132113
	Selenium	38.0	46.0	83	26	66	08/21/2024	14:00	LB132113
	Silver	215	201	107	170	232	08/21/2024	14:00	LB132113
	Sodium	-135			0	0	08/21/2024	14:00	LB132113
	Strontium	1060			0	0	08/21/2024	14:00	LB132113
	Thallium	108	108	100	68	148	08/21/2024	14:00	LB132113
	Tin	1100	1000	110	850	1150	08/21/2024	14:00	LB132113
	Titanium	1060			0	0	08/21/2024	14:00	LB132113
	Vanadium	472	491	96	417	565	08/21/2024	14:00	LB132113
	Zinc	1060	952	111	809	1095	08/21/2024	14:00	LB132113