

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008
Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008
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	234000	255000	92	216000	294000	05/14/2025	14:09	LB135778
	Antimony	-3.07			-50	50	05/14/2025	14:09	LB135778
	Arsenic	4.85			-20	20	05/14/2025	14:09	LB135778
	Barium	1.76	6.0	29	-94	106	05/14/2025	14:09	LB135778
	Beryllium	1.12			-6	6	05/14/2025	14:09	LB135778
	Cadmium	-3.09	1.0	309	-5	7	05/14/2025	14:09	LB135778
	Calcium	218000	245000	89	208000	282000	05/14/2025	14:09	LB135778
	Chromium	52.2	52.0	100	42	62	05/14/2025	14:09	LB135778
	Cobalt	0.31			-30	30	05/14/2025	14:09	LB135778
	Copper	0.58	2.0	29	-18	22	05/14/2025	14:09	LB135778
	Iron	93300	101000	92	85600	116500	05/14/2025	14:09	LB135778
	Lead	0.26			-12	12	05/14/2025	14:09	LB135778
	Magnesium	228000	255000	89	216000	294000	05/14/2025	14:09	LB135778
	Manganese	3.08	7.0	44	-13	27	05/14/2025	14:09	LB135778
	Nickel	1.20	2.0	60	-38	42	05/14/2025	14:09	LB135778
	Potassium	22.4			0	0	05/14/2025	14:09	LB135778
	Selenium	-3.16			-20	20	05/14/2025	14:09	LB135778
	Silver	0.95			-10	10	05/14/2025	14:09	LB135778
	Sodium	71.8			0	0	05/14/2025	14:09	LB135778
	Thallium	6.83			-40	40	05/14/2025	14:09	LB135778
	Vanadium	0.97			-40	40	05/14/2025	14:09	LB135778
	Zinc	3.75			-40	40	05/14/2025	14:09	LB135778
ICSAB01	Aluminum	236000	247000	96	209000	285000	05/14/2025	14:16	LB135778
	Antimony	592	618	96	525	711	05/14/2025	14:16	LB135778
	Arsenic	108	104	104	88.4	120	05/14/2025	14:16	LB135778
	Barium	442	537	82	437	637	05/14/2025	14:16	LB135778
	Beryllium	446	495	90	420	570	05/14/2025	14:16	LB135778
	Cadmium	933	972	96	826	1120	05/14/2025	14:16	LB135778
	Calcium	219000	235000	93	199000	271000	05/14/2025	14:16	LB135778
	Chromium	525	542	97	460	624	05/14/2025	14:16	LB135778
	Cobalt	463	476	97	404	548	05/14/2025	14:16	LB135778
	Copper	468	511	92	434	588	05/14/2025	14:16	LB135778
	Iron	94500	99300	95	84400	114500	05/14/2025	14:16	LB135778
	Lead	46.1	49.0	94	37	61	05/14/2025	14:16	LB135778
	Magnesium	230000	248000	93	210000	286000	05/14/2025	14:16	LB135778
	Manganese	446	507	88	430	584	05/14/2025	14:16	LB135778
	Nickel	916	954	96	810	1100	05/14/2025	14:16	LB135778
	Potassium	-47.9			0	0	05/14/2025	14:16	LB135778
	Selenium	40.7	46.0	88	26	66	05/14/2025	14:16	LB135778
	Silver	203	201	101	170	232	05/14/2025	14:16	LB135778
	Sodium	-147			0	0	05/14/2025	14:16	LB135778
	Thallium	104	108	96	68	148	05/14/2025	14:16	LB135778

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- 4 -
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Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008
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	Vanadium	445	491	91	417	565	05/14/2025	14:16	LB135778
	Zinc	981	952	103	809	1095	05/14/2025	14:16	LB135778
ICSA01	Aluminum	232000	255000	91	216000	294000	05/15/2025	14:01	LB135794
	Antimony	-2.73			-50	50	05/15/2025	14:01	LB135794
	Arsenic	5.60			-20	20	05/15/2025	14:01	LB135794
	Barium	2.71	6.0	45	-94	106	05/15/2025	14:01	LB135794
	Beryllium	1.30			-6	6	05/15/2025	14:01	LB135794
	Cadmium	-3.02	1.0	302	-5	7	05/15/2025	14:01	LB135794
	Calcium	220000	245000	90	208000	282000	05/15/2025	14:01	LB135794
	Chromium	52.3	52.0	101	42	62	05/15/2025	14:01	LB135794
	Cobalt	1.23			-30	30	05/15/2025	14:01	LB135794
	Copper	-2.10	2.0	105	-18	22	05/15/2025	14:01	LB135794
	Iron	93300	101000	92	85600	116500	05/15/2025	14:01	LB135794
	Lead	1.30			-12	12	05/15/2025	14:01	LB135794
	Magnesium	231000	255000	91	216000	294000	05/15/2025	14:01	LB135794
	Manganese	7.39	7.0	106	-13	27	05/15/2025	14:01	LB135794
	Nickel	1.31	2.0	66	-38	42	05/15/2025	14:01	LB135794
	Potassium	3.65			0	0	05/15/2025	14:01	LB135794
	Selenium	-5.78			-20	20	05/15/2025	14:01	LB135794
	Silver	-0.091			-10	10	05/15/2025	14:01	LB135794
	Sodium	-5.99			0	0	05/15/2025	14:01	LB135794
	Thallium	6.40			-40	40	05/15/2025	14:01	LB135794
	Vanadium	1.49			-40	40	05/15/2025	14:01	LB135794
	Zinc	3.33			-40	40	05/15/2025	14:01	LB135794
ICSAB01	Aluminum	231000	247000	94	209000	285000	05/15/2025	14:05	LB135794
	Antimony	574	618	93	525	711	05/15/2025	14:05	LB135794
	Arsenic	107	104	103	88.4	120	05/15/2025	14:05	LB135794
	Barium	449	537	84	437	637	05/15/2025	14:05	LB135794
	Beryllium	448	495	90	420	570	05/15/2025	14:05	LB135794
	Cadmium	951	972	98	826	1120	05/15/2025	14:05	LB135794
	Calcium	220000	235000	94	199000	271000	05/15/2025	14:05	LB135794
	Chromium	525	542	97	460	624	05/15/2025	14:05	LB135794
	Cobalt	470	476	99	404	548	05/15/2025	14:05	LB135794
	Copper	453	511	89	434	588	05/15/2025	14:05	LB135794
	Iron	93800	99300	94	84400	114500	05/15/2025	14:05	LB135794
	Lead	45.4	49.0	93	37	61	05/15/2025	14:05	LB135794
	Magnesium	231000	248000	93	210000	286000	05/15/2025	14:05	LB135794
	Manganese	454	507	90	430	584	05/15/2025	14:05	LB135794
	Nickel	924	954	97	810	1100	05/15/2025	14:05	LB135794
	Potassium	-15.5			0	0	05/15/2025	14:05	LB135794
	Selenium	37.6	46.0	82	26	66	05/15/2025	14:05	LB135794
	Silver	214	201	106	170	232	05/15/2025	14:05	LB135794

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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	Sodium	-57.9			0	0	05/15/2025	14:05	LB135794
	Thallium	104	108	96	68	148	05/15/2025	14:05	LB135794
	Vanadium	442	491	90	417	565	05/15/2025	14:05	LB135794
	Zinc	965	952	101	809	1095	05/15/2025	14:05	LB135794