



Metals

- 4 -

INTERFERENCE CHECK SAMPLE

Client: Louis Berger U.S., Inc., A WSP Company

SDG No.: O1232

Contract: loui01

Lab Code: CHEM

Case No.: O1232

SAS No.: O1232

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	257000	250000	103	210000	290000	01/20/2023	13:26	LB123754
	Antimony	2.20			-50	50	01/20/2023	13:26	LB123754
	Arsenic	-4.95			-20	20	01/20/2023	13:26	LB123754
	Barium	1.98	6.0	33	-94	106	01/20/2023	13:26	LB123754
	Beryllium	0.68			-6	6	01/20/2023	13:26	LB123754
	Cadmium	0.15	1.0	15	-5	7	01/20/2023	13:26	LB123754
	Calcium	250000	240000	104	200000	280000	01/20/2023	13:26	LB123754
	Chromium	55.1	52.0	106	42	62	01/20/2023	13:26	LB123754
	Cobalt	1.24			-30	30	01/20/2023	13:26	LB123754
	Copper	-2.55	2.0	128	-18	22	01/20/2023	13:26	LB123754
	Iron	108000	100000	108	85000	120000	01/20/2023	13:26	LB123754
	Lead	-3.73			-12	12	01/20/2023	13:26	LB123754
	Magnesium	257000	260000	99	220000	300000	01/20/2023	13:26	LB123754
	Manganese	10.2	7.0	145	-13	27	01/20/2023	13:26	LB123754
	Nickel	3.44	2.0	172	-38	42	01/20/2023	13:26	LB123754
	Potassium	-136			0	0	01/20/2023	13:26	LB123754
	Selenium	-17.7			-20	20	01/20/2023	13:26	LB123754
	Silver	2.09			-10	10	01/20/2023	13:26	LB123754
	Sodium	8.74			0	0	01/20/2023	13:26	LB123754
	Thallium	-7.43			-40	40	01/20/2023	13:26	LB123754
	Vanadium	-0.77			-40	40	01/20/2023	13:26	LB123754
	Zinc	-0.52			-40	40	01/20/2023	13:26	LB123754
ICSAB01	Aluminum	245000	250000	98	210000	290000	01/20/2023	13:30	LB123754
	Antimony	597	620	96	530	710	01/20/2023	13:30	LB123754
	Arsenic	102	100	102	85	120	01/20/2023	13:30	LB123754
	Barium	518	540	96	440	640	01/20/2023	13:30	LB123754
	Beryllium	490	500	98	430	580	01/20/2023	13:30	LB123754
	Cadmium	1030	970	106	820	1100	01/20/2023	13:30	LB123754
	Calcium	238000	230000	104	200000	260000	01/20/2023	13:30	LB123754
	Chromium	545	540	101	460	620	01/20/2023	13:30	LB123754
	Cobalt	494	480	103	410	550	01/20/2023	13:30	LB123754
	Copper	480	510	94	430	590	01/20/2023	13:30	LB123754
	Iron	102000	99000	103	84000	110000	01/20/2023	13:30	LB123754
	Lead	44.8	49.0	91	37	61	01/20/2023	13:30	LB123754
	Magnesium	246000	250000	98	210000	290000	01/20/2023	13:30	LB123754
	Manganese	502	510	98	430	590	01/20/2023	13:30	LB123754
	Nickel	1000	950	105	810	1100	01/20/2023	13:30	LB123754
	Potassium	-121			0	0	01/20/2023	13:30	LB123754
	Selenium	38.2	46.0	83	26	66	01/20/2023	13:30	LB123754
	Silver	212	200	106	170	230	01/20/2023	13:30	LB123754
	Sodium	18.8			0	0	01/20/2023	13:30	LB123754
	Thallium	93.1	110	85	70	150	01/20/2023	13:30	LB123754
	Vanadium	488	490	100	420	560	01/20/2023	13:30	LB123754
	Zinc	1040	950	110	810	1100	01/20/2023	13:30	LB123754
ICSA01	Aluminum	247000	250000	99	210000	290000	01/24/2023	13:25	LB123785

Metals

- 4 -

INTERFERENCE CHECK SAMPLE

Client: Louis Berger U.S., Inc., A WSP Company **SDG No.:** O1232
Contract: loui01 **Lab Code:** CHEM **Case No.:** O1232 **SAS No.:** O1232
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	Antimony	-3.42			-50	50	01/24/2023	13:25	LB123785
	Arsenic	5.47			-20	20	01/24/2023	13:25	LB123785
	Barium	7.42	6.0	124	-94	106	01/24/2023	13:25	LB123785
	Beryllium	1.36			-6	6	01/24/2023	13:25	LB123785
	Cadmium	0.46	1.0	46	-5	7	01/24/2023	13:25	LB123785
	Calcium	237000	240000	99	200000	280000	01/24/2023	13:25	LB123785
	Chromium	61.1	52.0	118	42	62	01/24/2023	13:25	LB123785
	Cobalt	1.04			-30	30	01/24/2023	13:25	LB123785
	Copper	-11.8	2.0	590	-18	22	01/24/2023	13:25	LB123785
	Iron	108000	100000	108	85000	120000	01/24/2023	13:25	LB123785
	Lead	-3.03			-12	12	01/24/2023	13:25	LB123785
	Magnesium	247000	260000	95	220000	300000	01/24/2023	13:25	LB123785
	Manganese	9.76	7.0	139	-13	27	01/24/2023	13:25	LB123785
	Nickel	3.04	2.0	152	-38	42	01/24/2023	13:25	LB123785
	Potassium	-217			0	0	01/24/2023	13:25	LB123785
	Selenium	-7.48			-20	20	01/24/2023	13:25	LB123785
	Silver	4.83			-10	10	01/24/2023	13:25	LB123785
	Sodium	-5.35			0	0	01/24/2023	13:25	LB123785
	Thallium	-6.97			-40	40	01/24/2023	13:25	LB123785
	Vanadium	3.06			-40	40	01/24/2023	13:25	LB123785
	Zinc	0.0080			-40	40	01/24/2023	13:25	LB123785
ICSAB01	Aluminum	243000	250000	97	210000	290000	01/24/2023	13:29	LB123785
	Antimony	598	620	96	530	710	01/24/2023	13:29	LB123785
	Arsenic	110	100	110	85	120	01/24/2023	13:29	LB123785
	Barium	482	540	89	440	640	01/24/2023	13:29	LB123785
	Beryllium	492	500	98	430	580	01/24/2023	13:29	LB123785
	Cadmium	1010	970	104	820	1100	01/24/2023	13:29	LB123785
	Calcium	234000	230000	102	200000	260000	01/24/2023	13:29	LB123785
	Chromium	558	540	103	460	620	01/24/2023	13:29	LB123785
	Cobalt	495	480	103	410	550	01/24/2023	13:29	LB123785
	Copper	475	510	93	430	590	01/24/2023	13:29	LB123785
	Iron	102000	99000	103	84000	110000	01/24/2023	13:29	LB123785
	Lead	47.1	49.0	96	37	61	01/24/2023	13:29	LB123785
	Magnesium	243000	250000	97	210000	290000	01/24/2023	13:29	LB123785
	Manganese	484	510	95	430	590	01/24/2023	13:29	LB123785
	Nickel	983	950	104	810	1100	01/24/2023	13:29	LB123785
	Potassium	-161			0	0	01/24/2023	13:29	LB123785
	Selenium	40.7	46.0	88	26	66	01/24/2023	13:29	LB123785
	Silver	215	200	108	170	230	01/24/2023	13:29	LB123785
	Sodium	-0.86			0	0	01/24/2023	13:29	LB123785
	Thallium	93.1	110	85	70	150	01/24/2023	13:29	LB123785
	Vanadium	471	490	96	420	560	01/24/2023	13:29	LB123785
	Zinc	1020	950	107	810	1100	01/24/2023	13:29	LB123785