



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

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

SDG No.: O1233

Contract: loui01

Lab Code: CHEM

Case No.: O1233

SAS No.: O1233

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB12	Mercury	0.20	+/-0.20	U	0.20	CV	01/23/2023	10:30	LB123763



- 3a -

Client:	<u>Louis Berger U.S., Inc., A WSP Company</u>	SDG No.:	<u>01233</u>				
Contract:	loui01	Lab Code:	CHEM	Case No.:	01233	SAS No.:	01233

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB93	Mercury	0.20	+/-0.20	U	0.20	CV	01/23/2023	10:35	LB123763
CCB94	Mercury	0.20	+/-0.20	U	0.20	CV	01/23/2023	11:02	LB123763
CCB95	Mercury	0.20	+/-0.20	U	0.20	CV	01/23/2023	11:29	LB123763
CCB96	Mercury	0.20	+/-0.20	U	0.20	CV	01/23/2023	11:56	LB123763
CCB97	Mercury	0.20	+/-0.20	U	0.20	CV	01/23/2023	12:24	LB123763
CCB98	Mercury	0.20	+/-0.20	U	0.20	CV	01/23/2023	12:37	LB123763

**Metals****- 3a -****INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY****Client:** Louis Berger U.S., Inc., A WSP Company**SDG No.:** O1233**Contract:** loui01**Lab Code:** CHEM**Case No.:** O1233**SAS No.:** O1233

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	01/20/2023	12:43	LB123754
	Antimony	50.0	+/-50.0	U	50.0	P	01/20/2023	12:43	LB123754
	Arsenic	20.0	+/-20.0	U	20.0	P	01/20/2023	12:43	LB123754
	Barium	100	+/-100	U	100	P	01/20/2023	12:43	LB123754
	Beryllium	6.00	+/-6.00	U	6.00	P	01/20/2023	12:43	LB123754
	Cadmium	6.00	+/-6.00	U	6.00	P	01/20/2023	12:43	LB123754
	Calcium	2000	+/-2000	U	2000	P	01/20/2023	12:43	LB123754
	Chromium	10.0	+/-10.0	U	10.0	P	01/20/2023	12:43	LB123754
	Cobalt	30.0	+/-30.0	U	30.0	P	01/20/2023	12:43	LB123754
	Copper	20.0	+/-20.0	U	20.0	P	01/20/2023	12:43	LB123754
	Iron	100	+/-100	U	100	P	01/20/2023	12:43	LB123754
	Lead	12.0	+/-12.0	U	12.0	P	01/20/2023	12:43	LB123754
	Magnesium	2000	+/-2000	U	2000	P	01/20/2023	12:43	LB123754
	Manganese	20.0	+/-20.0	U	20.0	P	01/20/2023	12:43	LB123754
	Nickel	40.0	+/-40.0	U	40.0	P	01/20/2023	12:43	LB123754
	Potassium	2000	+/-2000	U	2000	P	01/20/2023	12:43	LB123754
	Selenium	20.0	+/-20.0	U	20.0	P	01/20/2023	12:43	LB123754
	Silver	10.0	+/-10.0	U	10.0	P	01/20/2023	12:43	LB123754
	Sodium	2000	+/-2000	U	2000	P	01/20/2023	12:43	LB123754
	Thallium	40.0	+/-40.0	U	40.0	P	01/20/2023	12:43	LB123754
	Vanadium	40.0	+/-40.0	U	40.0	P	01/20/2023	12:43	LB123754
	Zinc	40.0	+/-40.0	U	40.0	P	01/20/2023	12:43	LB123754



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Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	01/20/2023	13:50	LB123754
	Antimony	50.0	+/-50.0	U	50.0	P	01/20/2023	13:50	LB123754
	Arsenic	20.0	+/-20.0	U	20.0	P	01/20/2023	13:50	LB123754
	Barium	100	+/-100	U	100	P	01/20/2023	13:50	LB123754
	Beryllium	6.00	+/-6.00	U	6.00	P	01/20/2023	13:50	LB123754
	Cadmium	6.00	+/-6.00	U	6.00	P	01/20/2023	13:50	LB123754
	Calcium	2000	+/-2000	U	2000	P	01/20/2023	13:50	LB123754
	Chromium	10.0	+/-10.0	U	10.0	P	01/20/2023	13:50	LB123754
	Cobalt	30.0	+/-30.0	U	30.0	P	01/20/2023	13:50	LB123754
	Copper	20.0	+/-20.0	U	20.0	P	01/20/2023	13:50	LB123754
	Iron	100	+/-100	U	100	P	01/20/2023	13:50	LB123754
	Lead	12.0	+/-12.0	U	12.0	P	01/20/2023	13:50	LB123754
	Magnesium	2000	+/-2000	U	2000	P	01/20/2023	13:50	LB123754
	Manganese	20.0	+/-20.0	U	20.0	P	01/20/2023	13:50	LB123754
	Nickel	40.0	+/-40.0	U	40.0	P	01/20/2023	13:50	LB123754
	Potassium	2000	+/-2000	U	2000	P	01/20/2023	13:50	LB123754
	Selenium	20.0	+/-20.0	U	20.0	P	01/20/2023	13:50	LB123754
	Silver	10.0	+/-10.0	U	10.0	P	01/20/2023	13:50	LB123754
	Sodium	2000	+/-2000	U	2000	P	01/20/2023	13:50	LB123754
	Thallium	40.0	+/-40.0	U	40.0	P	01/20/2023	13:50	LB123754
	Vanadium	40.0	+/-40.0	U	40.0	P	01/20/2023	13:50	LB123754
	Zinc	40.0	+/-40.0	U	40.0	P	01/20/2023	13:50	LB123754
CCB02	Aluminum	100	+/-100	U	100	P	01/20/2023	14:41	LB123754
	Antimony	50.0	+/-50.0	U	50.0	P	01/20/2023	14:41	LB123754
	Arsenic	20.0	+/-20.0	U	20.0	P	01/20/2023	14:41	LB123754
	Barium	100	+/-100	U	100	P	01/20/2023	14:41	LB123754
	Beryllium	6.00	+/-6.00	U	6.00	P	01/20/2023	14:41	LB123754
	Cadmium	6.00	+/-6.00	U	6.00	P	01/20/2023	14:41	LB123754
	Calcium	2000	+/-2000	U	2000	P	01/20/2023	14:41	LB123754
	Chromium	10.0	+/-10.0	U	10.0	P	01/20/2023	14:41	LB123754
	Cobalt	30.0	+/-30.0	U	30.0	P	01/20/2023	14:41	LB123754
	Copper	20.0	+/-20.0	U	20.0	P	01/20/2023	14:41	LB123754
	Iron	100	+/-100	U	100	P	01/20/2023	14:41	LB123754
	Lead	12.0	+/-12.0	U	12.0	P	01/20/2023	14:41	LB123754
	Magnesium	2000	+/-2000	U	2000	P	01/20/2023	14:41	LB123754
	Manganese	20.0	+/-20.0	U	20.0	P	01/20/2023	14:41	LB123754
	Nickel	40.0	+/-40.0	U	40.0	P	01/20/2023	14:41	LB123754
	Potassium	298	+/-2000	J	2000	P	01/20/2023	14:41	LB123754
	Selenium	20.0	+/-20.0	U	20.0	P	01/20/2023	14:41	LB123754
	Silver	10.0	+/-10.0	U	10.0	P	01/20/2023	14:41	LB123754



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CCB02	Sodium	2000	+/-2000	U	2000	P	01/20/2023	14:41	LB123754
	Thallium	40.0	+/-40.0	U	40.0	P	01/20/2023	14:41	LB123754
	Vanadium	40.0	+/-40.0	U	40.0	P	01/20/2023	14:41	LB123754
	Zinc	40.0	+/-40.0	U	40.0	P	01/20/2023	14:41	LB123754
CCB03	Aluminum	100	+/-100	U	100	P	01/20/2023	15:33	LB123754
	Antimony	50.0	+/-50.0	U	50.0	P	01/20/2023	15:33	LB123754
	Arsenic	20.0	+/-20.0	U	20.0	P	01/20/2023	15:33	LB123754
	Barium	100	+/-100	U	100	P	01/20/2023	15:33	LB123754
	Beryllium	6.00	+/-6.00	U	6.00	P	01/20/2023	15:33	LB123754
	Cadmium	6.00	+/-6.00	U	6.00	P	01/20/2023	15:33	LB123754
	Calcium	2000	+/-2000	U	2000	P	01/20/2023	15:33	LB123754
	Chromium	10.0	+/-10.0	U	10.0	P	01/20/2023	15:33	LB123754
	Cobalt	30.0	+/-30.0	U	30.0	P	01/20/2023	15:33	LB123754
	Copper	20.0	+/-20.0	U	20.0	P	01/20/2023	15:33	LB123754
	Iron	100	+/-100	U	100	P	01/20/2023	15:33	LB123754
	Lead	12.0	+/-12.0	U	12.0	P	01/20/2023	15:33	LB123754
	Magnesium	2000	+/-2000	U	2000	P	01/20/2023	15:33	LB123754
	Manganese	20.0	+/-20.0	U	20.0	P	01/20/2023	15:33	LB123754
	Nickel	40.0	+/-40.0	U	40.0	P	01/20/2023	15:33	LB123754
	Potassium	2000	+/-2000	U	2000	P	01/20/2023	15:33	LB123754
	Selenium	20.0	+/-20.0	U	20.0	P	01/20/2023	15:33	LB123754
	Silver	10.0	+/-10.0	U	10.0	P	01/20/2023	15:33	LB123754
	Sodium	2000	+/-2000	U	2000	P	01/20/2023	15:33	LB123754
	Thallium	40.0	+/-40.0	U	40.0	P	01/20/2023	15:33	LB123754
	Vanadium	40.0	+/-40.0	U	40.0	P	01/20/2023	15:33	LB123754
	Zinc	40.0	+/-40.0	U	40.0	P	01/20/2023	15:33	LB123754
CCB04	Aluminum	100	+/-100	U	100	P	01/20/2023	16:18	LB123754
	Antimony	50.0	+/-50.0	U	50.0	P	01/20/2023	16:18	LB123754
	Arsenic	20.0	+/-20.0	U	20.0	P	01/20/2023	16:18	LB123754
	Barium	100	+/-100	U	100	P	01/20/2023	16:18	LB123754
	Beryllium	6.00	+/-6.00	U	6.00	P	01/20/2023	16:18	LB123754
	Cadmium	6.00	+/-6.00	U	6.00	P	01/20/2023	16:18	LB123754
	Calcium	2000	+/-2000	U	2000	P	01/20/2023	16:18	LB123754
	Chromium	10.0	+/-10.0	U	10.0	P	01/20/2023	16:18	LB123754
	Cobalt	30.0	+/-30.0	U	30.0	P	01/20/2023	16:18	LB123754
	Copper	20.0	+/-20.0	U	20.0	P	01/20/2023	16:18	LB123754
	Iron	100	+/-100	U	100	P	01/20/2023	16:18	LB123754
	Lead	12.0	+/-12.0	U	12.0	P	01/20/2023	16:18	LB123754
	Magnesium	2000	+/-2000	U	2000	P	01/20/2023	16:18	LB123754
	Manganese	20.0	+/-20.0	U	20.0	P	01/20/2023	16:18	LB123754



Metals

- 3a -

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

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Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Nickel	40.0	+/-40.0	U	40.0	P	01/20/2023	16:18	LB123754
	Potassium	2000	+/-2000	U	2000	P	01/20/2023	16:18	LB123754
	Selenium	20.0	+/-20.0	U	20.0	P	01/20/2023	16:18	LB123754
	Silver	10.0	+/-10.0	U	10.0	P	01/20/2023	16:18	LB123754
	Sodium	2000	+/-2000	U	2000	P	01/20/2023	16:18	LB123754
	Thallium	40.0	+/-40.0	U	40.0	P	01/20/2023	16:18	LB123754
	Vanadium	40.0	+/-40.0	U	40.0	P	01/20/2023	16:18	LB123754
	Zinc	40.0	+/-40.0	U	40.0	P	01/20/2023	16:18	LB123754
CCB05	Aluminum	100	+/-100	U	100	P	01/20/2023	17:15	LB123754
	Antimony	50.0	+/-50.0	U	50.0	P	01/20/2023	17:15	LB123754
	Arsenic	20.0	+/-20.0	U	20.0	P	01/20/2023	17:15	LB123754
	Barium	100	+/-100	U	100	P	01/20/2023	17:15	LB123754
	Beryllium	6.00	+/-6.00	U	6.00	P	01/20/2023	17:15	LB123754
	Cadmium	6.00	+/-6.00	U	6.00	P	01/20/2023	17:15	LB123754
	Calcium	2000	+/-2000	U	2000	P	01/20/2023	17:15	LB123754
	Chromium	10.0	+/-10.0	U	10.0	P	01/20/2023	17:15	LB123754
	Cobalt	30.0	+/-30.0	U	30.0	P	01/20/2023	17:15	LB123754
	Copper	20.0	+/-20.0	U	20.0	P	01/20/2023	17:15	LB123754
	Iron	100	+/-100	U	100	P	01/20/2023	17:15	LB123754
	Lead	12.0	+/-12.0	U	12.0	P	01/20/2023	17:15	LB123754
	Magnesium	2000	+/-2000	U	2000	P	01/20/2023	17:15	LB123754
	Manganese	20.0	+/-20.0	U	20.0	P	01/20/2023	17:15	LB123754
	Nickel	40.0	+/-40.0	U	40.0	P	01/20/2023	17:15	LB123754
	Potassium	2000	+/-2000	U	2000	P	01/20/2023	17:15	LB123754
	Selenium	20.0	+/-20.0	U	20.0	P	01/20/2023	17:15	LB123754
	Silver	10.0	+/-10.0	U	10.0	P	01/20/2023	17:15	LB123754
	Sodium	2000	+/-2000	U	2000	P	01/20/2023	17:15	LB123754
	Thallium	40.0	+/-40.0	U	40.0	P	01/20/2023	17:15	LB123754
	Vanadium	40.0	+/-40.0	U	40.0	P	01/20/2023	17:15	LB123754
	Zinc	40.0	+/-40.0	U	40.0	P	01/20/2023	17:15	LB123754
CCB06	Aluminum	100	+/-100	U	100	P	01/20/2023	18:51	LB123754
	Antimony	50.0	+/-50.0	U	50.0	P	01/20/2023	18:51	LB123754
	Arsenic	20.0	+/-20.0	U	20.0	P	01/20/2023	18:51	LB123754
	Barium	100	+/-100	U	100	P	01/20/2023	18:51	LB123754
	Beryllium	6.00	+/-6.00	U	6.00	P	01/20/2023	18:51	LB123754
	Cadmium	6.00	+/-6.00	U	6.00	P	01/20/2023	18:51	LB123754
	Calcium	2000	+/-2000	U	2000	P	01/20/2023	18:51	LB123754
	Chromium	10.0	+/-10.0	U	10.0	P	01/20/2023	18:51	LB123754
	Cobalt	30.0	+/-30.0	U	30.0	P	01/20/2023	18:51	LB123754
	Copper	20.0	+/-20.0	U	20.0	P	01/20/2023	18:51	LB123754



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- 3a -

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CCB06	Iron	100	+/-100	U	100	P	01/20/2023	18:51	LB123754
	Lead	12.0	+/-12.0	U	12.0	P	01/20/2023	18:51	LB123754
	Magnesium	2000	+/-2000	U	2000	P	01/20/2023	18:51	LB123754
	Manganese	20.0	+/-20.0	U	20.0	P	01/20/2023	18:51	LB123754
	Nickel	40.0	+/-40.0	U	40.0	P	01/20/2023	18:51	LB123754
	Potassium	852	+/-2000	J	2000	P	01/20/2023	18:51	LB123754
	Selenium	20.0	+/-20.0	U	20.0	P	01/20/2023	18:51	LB123754
	Silver	1.75	+/-10.0	J	10.0	P	01/20/2023	18:51	LB123754
	Sodium	711	+/-2000	J	2000	P	01/20/2023	18:51	LB123754
	Thallium	40.0	+/-40.0	U	40.0	P	01/20/2023	18:51	LB123754
	Vanadium	40.0	+/-40.0	U	40.0	P	01/20/2023	18:51	LB123754
	Zinc	40.0	+/-40.0	U	40.0	P	01/20/2023	18:51	LB123754
CCB07	Aluminum	100	+/-100	U	100	P	01/20/2023	19:48	LB123754
	Antimony	50.0	+/-50.0	U	50.0	P	01/20/2023	19:48	LB123754
	Arsenic	20.0	+/-20.0	U	20.0	P	01/20/2023	19:48	LB123754
	Barium	100	+/-100	U	100	P	01/20/2023	19:48	LB123754
	Beryllium	6.00	+/-6.00	U	6.00	P	01/20/2023	19:48	LB123754
	Cadmium	6.00	+/-6.00	U	6.00	P	01/20/2023	19:48	LB123754
	Calcium	2000	+/-2000	U	2000	P	01/20/2023	19:48	LB123754
	Chromium	10.0	+/-10.0	U	10.0	P	01/20/2023	19:48	LB123754
	Cobalt	30.0	+/-30.0	U	30.0	P	01/20/2023	19:48	LB123754
	Copper	20.0	+/-20.0	U	20.0	P	01/20/2023	19:48	LB123754
	Iron	100	+/-100	U	100	P	01/20/2023	19:48	LB123754
	Lead	12.0	+/-12.0	U	12.0	P	01/20/2023	19:48	LB123754
	Magnesium	2000	+/-2000	U	2000	P	01/20/2023	19:48	LB123754
	Manganese	20.0	+/-20.0	U	20.0	P	01/20/2023	19:48	LB123754
	Nickel	40.0	+/-40.0	U	40.0	P	01/20/2023	19:48	LB123754
	Potassium	2000	+/-2000	U	2000	P	01/20/2023	19:48	LB123754
	Selenium	20.0	+/-20.0	U	20.0	P	01/20/2023	19:48	LB123754
	Silver	2.00	+/-10.0	J	10.0	P	01/20/2023	19:48	LB123754
	Sodium	2000	+/-2000	U	2000	P	01/20/2023	19:48	LB123754
	Thallium	40.0	+/-40.0	U	40.0	P	01/20/2023	19:48	LB123754
	Vanadium	40.0	+/-40.0	U	40.0	P	01/20/2023	19:48	LB123754
CCB08	Zinc	40.0	+/-40.0	U	40.0	P	01/20/2023	19:48	LB123754
	Aluminum	100	+/-100	U	100	P	01/20/2023	20:34	LB123754
	Antimony	50.0	+/-50.0	U	50.0	P	01/20/2023	20:34	LB123754
	Arsenic	20.0	+/-20.0	U	20.0	P	01/20/2023	20:34	LB123754
	Barium	100	+/-100	U	100	P	01/20/2023	20:34	LB123754
	Beryllium	6.00	+/-6.00	U	6.00	P	01/20/2023	20:34	LB123754
	Cadmium	6.00	+/-6.00	U	6.00	P	01/20/2023	20:34	LB123754



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CCB08	Calcium	2000	+/-2000	U	2000	P	01/20/2023	20:34	LB123754
	Chromium	10.0	+/-10.0	U	10.0	P	01/20/2023	20:34	LB123754
	Cobalt	30.0	+/-30.0	U	30.0	P	01/20/2023	20:34	LB123754
	Copper	20.0	+/-20.0	U	20.0	P	01/20/2023	20:34	LB123754
	Iron	100	+/-100	U	100	P	01/20/2023	20:34	LB123754
	Lead	12.0	+/-12.0	U	12.0	P	01/20/2023	20:34	LB123754
	Magnesium	2000	+/-2000	U	2000	P	01/20/2023	20:34	LB123754
	Manganese	20.0	+/-20.0	U	20.0	P	01/20/2023	20:34	LB123754
	Nickel	40.0	+/-40.0	U	40.0	P	01/20/2023	20:34	LB123754
	Potassium	2000	+/-2000	U	2000	P	01/20/2023	20:34	LB123754
	Selenium	20.0	+/-20.0	U	20.0	P	01/20/2023	20:34	LB123754
	Silver	2.03	+/-10.0	J	10.0	P	01/20/2023	20:34	LB123754
	Sodium	2000	+/-2000	U	2000	P	01/20/2023	20:34	LB123754
	Thallium	40.0	+/-40.0	U	40.0	P	01/20/2023	20:34	LB123754
	Vanadium	40.0	+/-40.0	U	40.0	P	01/20/2023	20:34	LB123754
	Zinc	40.0	+/-40.0	U	40.0	P	01/20/2023	20:34	LB123754
CCB09	Aluminum	100	+/-100	U	100	P	01/20/2023	21:20	LB123754
	Antimony	50.0	+/-50.0	U	50.0	P	01/20/2023	21:20	LB123754
	Arsenic	20.0	+/-20.0	U	20.0	P	01/20/2023	21:20	LB123754
	Barium	100	+/-100	U	100	P	01/20/2023	21:20	LB123754
	Beryllium	6.00	+/-6.00	U	6.00	P	01/20/2023	21:20	LB123754
	Cadmium	6.00	+/-6.00	U	6.00	P	01/20/2023	21:20	LB123754
	Calcium	2000	+/-2000	U	2000	P	01/20/2023	21:20	LB123754
	Chromium	10.0	+/-10.0	U	10.0	P	01/20/2023	21:20	LB123754
	Cobalt	30.0	+/-30.0	U	30.0	P	01/20/2023	21:20	LB123754
	Copper	20.0	+/-20.0	U	20.0	P	01/20/2023	21:20	LB123754
	Iron	100	+/-100	U	100	P	01/20/2023	21:20	LB123754
	Lead	12.0	+/-12.0	U	12.0	P	01/20/2023	21:20	LB123754
	Magnesium	2000	+/-2000	U	2000	P	01/20/2023	21:20	LB123754
	Manganese	20.0	+/-20.0	U	20.0	P	01/20/2023	21:20	LB123754
	Nickel	40.0	+/-40.0	U	40.0	P	01/20/2023	21:20	LB123754
	Potassium	2000	+/-2000	U	2000	P	01/20/2023	21:20	LB123754
	Selenium	20.0	+/-20.0	U	20.0	P	01/20/2023	21:20	LB123754
	Silver	1.70	+/-10.0	J	10.0	P	01/20/2023	21:20	LB123754
	Sodium	2000	+/-2000	U	2000	P	01/20/2023	21:20	LB123754
	Thallium	40.0	+/-40.0	U	40.0	P	01/20/2023	21:20	LB123754
	Vanadium	40.0	+/-40.0	U	40.0	P	01/20/2023	21:20	LB123754
	Zinc	40.0	+/-40.0	U	40.0	P	01/20/2023	21:20	LB123754

**Metals****- 3a -****INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY****Client:** Louis Berger U.S., Inc., A WSP Company**SDG No.:** O1233**Contract:** loui01**Lab Code:** CHEM**Case No.:** O1233**SAS No.:** O1233

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	01/24/2023	13:16	LB123785
	Antimony	50.0	+/-50.0	U	50.0	P	01/24/2023	13:16	LB123785
	Arsenic	20.0	+/-20.0	U	20.0	P	01/24/2023	13:16	LB123785
	Barium	100	+/-100	U	100	P	01/24/2023	13:16	LB123785
	Beryllium	6.00	+/-6.00	U	6.00	P	01/24/2023	13:16	LB123785
	Cadmium	6.00	+/-6.00	U	6.00	P	01/24/2023	13:16	LB123785
	Calcium	2000	+/-2000	U	2000	P	01/24/2023	13:16	LB123785
	Chromium	10.0	+/-10.0	U	10.0	P	01/24/2023	13:16	LB123785
	Cobalt	30.0	+/-30.0	U	30.0	P	01/24/2023	13:16	LB123785
	Copper	20.0	+/-20.0	U	20.0	P	01/24/2023	13:16	LB123785
	Iron	100	+/-100	U	100	P	01/24/2023	13:16	LB123785
	Lead	12.0	+/-12.0	U	12.0	P	01/24/2023	13:16	LB123785
	Magnesium	2000	+/-2000	U	2000	P	01/24/2023	13:16	LB123785
	Manganese	20.0	+/-20.0	U	20.0	P	01/24/2023	13:16	LB123785
	Nickel	40.0	+/-40.0	U	40.0	P	01/24/2023	13:16	LB123785
	Potassium	2000	+/-2000	U	2000	P	01/24/2023	13:16	LB123785
	Selenium	20.0	+/-20.0	U	20.0	P	01/24/2023	13:16	LB123785
	Silver	10.0	+/-10.0	U	10.0	P	01/24/2023	13:16	LB123785
	Sodium	2000	+/-2000	U	2000	P	01/24/2023	13:16	LB123785
	Thallium	40.0	+/-40.0	U	40.0	P	01/24/2023	13:16	LB123785
	Vanadium	40.0	+/-40.0	U	40.0	P	01/24/2023	13:16	LB123785
	Zinc	40.0	+/-40.0	U	40.0	P	01/24/2023	13:16	LB123785



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

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

SDG No.: O1233

Contract: loui01

Lab Code: CHEM

Case No.: O1233

SAS No.: O1233

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	01/24/2023	13:45	LB123785
	Antimony	50.0	+/-50.0	U	50.0	P	01/24/2023	13:45	LB123785
	Arsenic	20.0	+/-20.0	U	20.0	P	01/24/2023	13:45	LB123785
	Barium	100	+/-100	U	100	P	01/24/2023	13:45	LB123785
	Beryllium	6.00	+/-6.00	U	6.00	P	01/24/2023	13:45	LB123785
	Cadmium	6.00	+/-6.00	U	6.00	P	01/24/2023	13:45	LB123785
	Calcium	2000	+/-2000	U	2000	P	01/24/2023	13:45	LB123785
	Chromium	10.0	+/-10.0	U	10.0	P	01/24/2023	13:45	LB123785
	Cobalt	30.0	+/-30.0	U	30.0	P	01/24/2023	13:45	LB123785
	Copper	20.0	+/-20.0	U	20.0	P	01/24/2023	13:45	LB123785
	Iron	100	+/-100	U	100	P	01/24/2023	13:45	LB123785
	Lead	12.0	+/-12.0	U	12.0	P	01/24/2023	13:45	LB123785
	Magnesium	2000	+/-2000	U	2000	P	01/24/2023	13:45	LB123785
	Manganese	20.0	+/-20.0	U	20.0	P	01/24/2023	13:45	LB123785
	Nickel	40.0	+/-40.0	U	40.0	P	01/24/2023	13:45	LB123785
	Potassium	2000	+/-2000	U	2000	P	01/24/2023	13:45	LB123785
	Selenium	20.0	+/-20.0	U	20.0	P	01/24/2023	13:45	LB123785
	Silver	10.0	+/-10.0	U	10.0	P	01/24/2023	13:45	LB123785
	Sodium	2000	+/-2000	U	2000	P	01/24/2023	13:45	LB123785
	Thallium	40.0	+/-40.0	U	40.0	P	01/24/2023	13:45	LB123785
	Vanadium	40.0	+/-40.0	U	40.0	P	01/24/2023	13:45	LB123785
	Zinc	40.0	+/-40.0	U	40.0	P	01/24/2023	13:45	LB123785
CCB02	Aluminum	100	+/-100	U	100	P	01/24/2023	14:38	LB123785
	Antimony	50.0	+/-50.0	U	50.0	P	01/24/2023	14:38	LB123785
	Arsenic	20.0	+/-20.0	U	20.0	P	01/24/2023	14:38	LB123785
	Barium	100	+/-100	U	100	P	01/24/2023	14:38	LB123785
	Beryllium	6.00	+/-6.00	U	6.00	P	01/24/2023	14:38	LB123785
	Cadmium	6.00	+/-6.00	U	6.00	P	01/24/2023	14:38	LB123785
	Calcium	2000	+/-2000	U	2000	P	01/24/2023	14:38	LB123785
	Chromium	10.0	+/-10.0	U	10.0	P	01/24/2023	14:38	LB123785
	Cobalt	30.0	+/-30.0	U	30.0	P	01/24/2023	14:38	LB123785
	Copper	20.0	+/-20.0	U	20.0	P	01/24/2023	14:38	LB123785
	Iron	100	+/-100	U	100	P	01/24/2023	14:38	LB123785
	Lead	12.0	+/-12.0	U	12.0	P	01/24/2023	14:38	LB123785
	Magnesium	2000	+/-2000	U	2000	P	01/24/2023	14:38	LB123785
	Manganese	20.0	+/-20.0	U	20.0	P	01/24/2023	14:38	LB123785
	Nickel	40.0	+/-40.0	U	40.0	P	01/24/2023	14:38	LB123785
	Potassium	2000	+/-2000	U	2000	P	01/24/2023	14:38	LB123785
	Selenium	20.0	+/-20.0	U	20.0	P	01/24/2023	14:38	LB123785
	Silver	10.0	+/-10.0	U	10.0	P	01/24/2023	14:38	LB123785



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

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

SDG No.: O1233

Contract: loui01

Lab Code: CHEM

Case No.: O1233

SAS No.: O1233

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Sodium	2000	+/-2000	U	2000	P	01/24/2023	14:38	LB123785
	Thallium	40.0	+/-40.0	U	40.0	P	01/24/2023	14:38	LB123785
	Vanadium	40.0	+/-40.0	U	40.0	P	01/24/2023	14:38	LB123785
	Zinc	40.0	+/-40.0	U	40.0	P	01/24/2023	14:38	LB123785
CCB03	Aluminum	100	+/-100	U	100	P	01/24/2023	17:50	LB123785
	Antimony	50.0	+/-50.0	U	50.0	P	01/24/2023	17:50	LB123785
	Arsenic	20.0	+/-20.0	U	20.0	P	01/24/2023	17:50	LB123785
	Barium	100	+/-100	U	100	P	01/24/2023	17:50	LB123785
	Beryllium	6.00	+/-6.00	U	6.00	P	01/24/2023	17:50	LB123785
	Cadmium	6.00	+/-6.00	U	6.00	P	01/24/2023	17:50	LB123785
	Calcium	2000	+/-2000	U	2000	P	01/24/2023	17:50	LB123785
	Chromium	10.0	+/-10.0	U	10.0	P	01/24/2023	17:50	LB123785
	Cobalt	30.0	+/-30.0	U	30.0	P	01/24/2023	17:50	LB123785
	Copper	20.0	+/-20.0	U	20.0	P	01/24/2023	17:50	LB123785
	Iron	100	+/-100	U	100	P	01/24/2023	17:50	LB123785
	Lead	12.0	+/-12.0	U	12.0	P	01/24/2023	17:50	LB123785
	Magnesium	2000	+/-2000	U	2000	P	01/24/2023	17:50	LB123785
	Manganese	20.0	+/-20.0	U	20.0	P	01/24/2023	17:50	LB123785
	Nickel	40.0	+/-40.0	U	40.0	P	01/24/2023	17:50	LB123785
	Potassium	2000	+/-2000	U	2000	P	01/24/2023	17:50	LB123785
	Selenium	20.0	+/-20.0	U	20.0	P	01/24/2023	17:50	LB123785
	Silver	10.0	+/-10.0	U	10.0	P	01/24/2023	17:50	LB123785
	Sodium	2000	+/-2000	U	2000	P	01/24/2023	17:50	LB123785
	Thallium	40.0	+/-40.0	U	40.0	P	01/24/2023	17:50	LB123785
	Vanadium	40.0	+/-40.0	U	40.0	P	01/24/2023	17:50	LB123785
	Zinc	40.0	+/-40.0	U	40.0	P	01/24/2023	17:50	LB123785
CCB04	Aluminum	100	+/-100	U	100	P	01/24/2023	18:41	LB123785
	Antimony	50.0	+/-50.0	U	50.0	P	01/24/2023	18:41	LB123785
	Arsenic	20.0	+/-20.0	U	20.0	P	01/24/2023	18:41	LB123785
	Barium	100	+/-100	U	100	P	01/24/2023	18:41	LB123785
	Beryllium	6.00	+/-6.00	U	6.00	P	01/24/2023	18:41	LB123785
	Cadmium	6.00	+/-6.00	U	6.00	P	01/24/2023	18:41	LB123785
	Calcium	2000	+/-2000	U	2000	P	01/24/2023	18:41	LB123785
	Chromium	10.0	+/-10.0	U	10.0	P	01/24/2023	18:41	LB123785
	Cobalt	30.0	+/-30.0	U	30.0	P	01/24/2023	18:41	LB123785
	Copper	20.0	+/-20.0	U	20.0	P	01/24/2023	18:41	LB123785
	Iron	100	+/-100	U	100	P	01/24/2023	18:41	LB123785
	Lead	12.0	+/-12.0	U	12.0	P	01/24/2023	18:41	LB123785
	Magnesium	2000	+/-2000	U	2000	P	01/24/2023	18:41	LB123785
	Manganese	20.0	+/-20.0	U	20.0	P	01/24/2023	18:41	LB123785



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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

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

SDG No.: O1233

Contract: loui01

Lab Code: CHEM

Case No.: O1233

SAS No.: O1233

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Nickel	40.0	+/-40.0	U	40.0	P	01/24/2023	18:41	LB123785
	Potassium	2000	+/-2000	U	2000	P	01/24/2023	18:41	LB123785
	Selenium	20.0	+/-20.0	U	20.0	P	01/24/2023	18:41	LB123785
	Silver	10.0	+/-10.0	U	10.0	P	01/24/2023	18:41	LB123785
	Sodium	2000	+/-2000	U	2000	P	01/24/2023	18:41	LB123785
	Thallium	40.0	+/-40.0	U	40.0	P	01/24/2023	18:41	LB123785
	Vanadium	40.0	+/-40.0	U	40.0	P	01/24/2023	18:41	LB123785
	Zinc	40.0	+/-40.0	U	40.0	P	01/24/2023	18:41	LB123785