



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Langan Engineering and Environmental Services, Ir

SDG No.: Q3310

Contract: LANG01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB65	Mercury	0.076	+/-0.2	U	0.20	CV	10/09/2025	14:20	LB137478

Metals

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SDG No.: Q3310

Contract: LANG01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB10	Mercury	0.076	+/-0.2	U	0.20	CV	10/09/2025	14:27	LB137478
CCB11	Mercury	0.076	+/-0.2	U	0.20	CV	10/09/2025	15:04	LB137478
CCB12	Mercury	0.076	+/-0.2	U	0.20	CV	10/09/2025	15:45	LB137478

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SDG No.: Q3310

Contract: LANG01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	44.6	+/-50	J	100	P	10/10/2025	12:11	LB137500
	Antimony	6.76	+/-25	U	50.0	P	10/10/2025	12:11	LB137500
	Arsenic	5.12	+/-10	U	20.0	P	10/10/2025	12:11	LB137500
	Barium	14.6	+/-50	U	100	P	10/10/2025	12:11	LB137500
	Beryllium	0.56	+/-3	U	6.00	P	10/10/2025	12:11	LB137500
	Cadmium	0.50	+/-3	U	6.00	P	10/10/2025	12:11	LB137500
	Calcium	234	+/-1000	U	2000	P	10/10/2025	12:11	LB137500
	Chromium	2.12	+/-5	U	10.0	P	10/10/2025	12:11	LB137500
	Cobalt	2.26	+/-15	U	30.0	P	10/10/2025	12:11	LB137500
	Copper	4.60	+/-10	U	20.0	P	10/10/2025	12:11	LB137500
	Iron	23.4	+/-50	U	100	P	10/10/2025	12:11	LB137500
	Lead	2.30	+/-6	U	12.0	P	10/10/2025	12:11	LB137500
	Magnesium	244	+/-1000	U	2000	P	10/10/2025	12:11	LB137500
	Manganese	5.94	+/-10	U	20.0	P	10/10/2025	12:11	LB137500
	Nickel	3.06	+/-20	U	40.0	P	10/10/2025	12:11	LB137500
	Potassium	918	+/-1000	U	2000	P	10/10/2025	12:11	LB137500
	Selenium	9.64	+/-10	U	20.0	P	10/10/2025	12:11	LB137500
	Silver	1.62	+/-5	U	10.0	P	10/10/2025	12:11	LB137500
	Sodium	868	+/-1000	U	2000	P	10/10/2025	12:11	LB137500
	Thallium	4.38	+/-20	U	40.0	P	10/10/2025	12:11	LB137500
	Vanadium	6.26	+/-20	U	40.0	P	10/10/2025	12:11	LB137500
	Zinc	16.7	+/-20	U	40.0	P	10/10/2025	12:11	LB137500

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Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	12.8	+/-50	J	100	P	10/10/2025	12:57	LB137500
	Antimony	6.76	+/-25	U	50.0	P	10/10/2025	12:57	LB137500
	Arsenic	5.12	+/-10	U	20.0	P	10/10/2025	12:57	LB137500
	Barium	14.6	+/-50	U	100	P	10/10/2025	12:57	LB137500
	Beryllium	0.56	+/-3	U	6.00	P	10/10/2025	12:57	LB137500
	Cadmium	0.50	+/-3	U	6.00	P	10/10/2025	12:57	LB137500
	Calcium	234	+/-1000	U	2000	P	10/10/2025	12:57	LB137500
	Chromium	2.12	+/-5	U	10.0	P	10/10/2025	12:57	LB137500
	Cobalt	2.26	+/-15	U	30.0	P	10/10/2025	12:57	LB137500
	Copper	4.60	+/-10	U	20.0	P	10/10/2025	12:57	LB137500
	Iron	23.4	+/-50	U	100	P	10/10/2025	12:57	LB137500
	Lead	2.30	+/-6	U	12.0	P	10/10/2025	12:57	LB137500
	Magnesium	244	+/-1000	U	2000	P	10/10/2025	12:57	LB137500
	Manganese	5.94	+/-10	U	20.0	P	10/10/2025	12:57	LB137500
	Nickel	3.06	+/-20	U	40.0	P	10/10/2025	12:57	LB137500
	Potassium	918	+/-1000	U	2000	P	10/10/2025	12:57	LB137500
	Selenium	9.64	+/-10	U	20.0	P	10/10/2025	12:57	LB137500
	Silver	1.62	+/-5	U	10.0	P	10/10/2025	12:57	LB137500
	Sodium	868	+/-1000	U	2000	P	10/10/2025	12:57	LB137500
	Thallium	4.38	+/-20	U	40.0	P	10/10/2025	12:57	LB137500
	Vanadium	6.26	+/-20	U	40.0	P	10/10/2025	12:57	LB137500
	Zinc	16.7	+/-20	U	40.0	P	10/10/2025	12:57	LB137500
CCB02	Aluminum	15.0	+/-50	J	100	P	10/10/2025	14:10	LB137500
	Antimony	6.76	+/-25	U	50.0	P	10/10/2025	14:10	LB137500
	Arsenic	5.12	+/-10	U	20.0	P	10/10/2025	14:10	LB137500
	Barium	14.6	+/-50	U	100	P	10/10/2025	14:10	LB137500
	Beryllium	0.56	+/-3	U	6.00	P	10/10/2025	14:10	LB137500
	Cadmium	0.50	+/-3	U	6.00	P	10/10/2025	14:10	LB137500
	Calcium	234	+/-1000	U	2000	P	10/10/2025	14:10	LB137500
	Chromium	2.12	+/-5	U	10.0	P	10/10/2025	14:10	LB137500
	Cobalt	2.26	+/-15	U	30.0	P	10/10/2025	14:10	LB137500
	Copper	4.60	+/-10	U	20.0	P	10/10/2025	14:10	LB137500
	Iron	23.4	+/-50	U	100	P	10/10/2025	14:10	LB137500
	Lead	2.30	+/-6	U	12.0	P	10/10/2025	14:10	LB137500
	Magnesium	244	+/-1000	U	2000	P	10/10/2025	14:10	LB137500
	Manganese	5.94	+/-10	U	20.0	P	10/10/2025	14:10	LB137500
	Nickel	3.06	+/-20	U	40.0	P	10/10/2025	14:10	LB137500
	Potassium	918	+/-1000	U	2000	P	10/10/2025	14:10	LB137500
	Selenium	9.64	+/-10	U	20.0	P	10/10/2025	14:10	LB137500

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SDG No.: Q3310

Contract: LANG01

Lab Code: ACE

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CCB02	Silver	1.62	+/-5	U	10.0	P	10/10/2025	14:10	LB137500
	Sodium	891	+/-1000	J	2000	P	10/10/2025	14:10	LB137500
	Thallium	4.38	+/-20	U	40.0	P	10/10/2025	14:10	LB137500
	Vanadium	6.26	+/-20	U	40.0	P	10/10/2025	14:10	LB137500
	Zinc	16.7	+/-20	U	40.0	P	10/10/2025	14:10	LB137500
CCB03	Aluminum	11.3	+/-50	U	100	P	10/10/2025	15:41	LB137500
	Antimony	6.76	+/-25	U	50.0	P	10/10/2025	15:41	LB137500
	Arsenic	5.12	+/-10	U	20.0	P	10/10/2025	15:41	LB137500
	Barium	14.6	+/-50	U	100	P	10/10/2025	15:41	LB137500
	Beryllium	0.56	+/-3	U	6.00	P	10/10/2025	15:41	LB137500
	Cadmium	0.50	+/-3	U	6.00	P	10/10/2025	15:41	LB137500
	Calcium	234	+/-1000	U	2000	P	10/10/2025	15:41	LB137500
	Chromium	2.12	+/-5	U	10.0	P	10/10/2025	15:41	LB137500
	Cobalt	2.26	+/-15	U	30.0	P	10/10/2025	15:41	LB137500
	Copper	4.60	+/-10	U	20.0	P	10/10/2025	15:41	LB137500
	Iron	23.4	+/-50	U	100	P	10/10/2025	15:41	LB137500
	Lead	2.30	+/-6	U	12.0	P	10/10/2025	15:41	LB137500
	Magnesium	244	+/-1000	U	2000	P	10/10/2025	15:41	LB137500
	Manganese	5.94	+/-10	U	20.0	P	10/10/2025	15:41	LB137500
	Nickel	3.06	+/-20	U	40.0	P	10/10/2025	15:41	LB137500
	Potassium	918	+/-1000	U	2000	P	10/10/2025	15:41	LB137500
	Selenium	9.64	+/-10	U	20.0	P	10/10/2025	15:41	LB137500
	Silver	1.62	+/-5	U	10.0	P	10/10/2025	15:41	LB137500
	Sodium	868	+/-1000	U	2000	P	10/10/2025	15:41	LB137500
	Thallium	4.38	+/-20	U	40.0	P	10/10/2025	15:41	LB137500
	Vanadium	6.26	+/-20	U	40.0	P	10/10/2025	15:41	LB137500
	Zinc	16.7	+/-20	U	40.0	P	10/10/2025	15:41	LB137500
CCB04	Aluminum	13.6	+/-50	J	100	P	10/10/2025	16:33	LB137500
	Antimony	6.76	+/-25	U	50.0	P	10/10/2025	16:33	LB137500
	Arsenic	5.12	+/-10	U	20.0	P	10/10/2025	16:33	LB137500
	Barium	14.6	+/-50	U	100	P	10/10/2025	16:33	LB137500
	Beryllium	0.56	+/-3	U	6.00	P	10/10/2025	16:33	LB137500
	Cadmium	0.50	+/-3	U	6.00	P	10/10/2025	16:33	LB137500
	Calcium	234	+/-1000	U	2000	P	10/10/2025	16:33	LB137500
	Chromium	2.12	+/-5	U	10.0	P	10/10/2025	16:33	LB137500
	Cobalt	2.26	+/-15	U	30.0	P	10/10/2025	16:33	LB137500
	Copper	4.60	+/-10	U	20.0	P	10/10/2025	16:33	LB137500
	Iron	23.4	+/-50	U	100	P	10/10/2025	16:33	LB137500
	Lead	2.30	+/-6	U	12.0	P	10/10/2025	16:33	LB137500

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SDG No.: Q3310

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CCB04	Magnesium	244	+/-1000	U	2000	P	10/10/2025	16:33	LB137500
	Manganese	5.94	+/-10	U	20.0	P	10/10/2025	16:33	LB137500
	Nickel	3.06	+/-20	U	40.0	P	10/10/2025	16:33	LB137500
	Potassium	918	+/-1000	U	2000	P	10/10/2025	16:33	LB137500
	Selenium	9.64	+/-10	U	20.0	P	10/10/2025	16:33	LB137500
	Silver	1.62	+/-5	U	10.0	P	10/10/2025	16:33	LB137500
	Sodium	868	+/-1000	U	2000	P	10/10/2025	16:33	LB137500
	Thallium	4.38	+/-20	U	40.0	P	10/10/2025	16:33	LB137500
	Vanadium	6.26	+/-20	U	40.0	P	10/10/2025	16:33	LB137500
	Zinc	16.7	+/-20	U	40.0	P	10/10/2025	16:33	LB137500
CCB05	Aluminum	11.3	+/-50	U	100	P	10/10/2025	17:08	LB137500
	Antimony	6.76	+/-25	U	50.0	P	10/10/2025	17:08	LB137500
	Arsenic	5.12	+/-10	U	20.0	P	10/10/2025	17:08	LB137500
	Barium	14.6	+/-50	U	100	P	10/10/2025	17:08	LB137500
	Beryllium	0.56	+/-3	U	6.00	P	10/10/2025	17:08	LB137500
	Cadmium	0.50	+/-3	U	6.00	P	10/10/2025	17:08	LB137500
	Calcium	234	+/-1000	U	2000	P	10/10/2025	17:08	LB137500
	Chromium	2.12	+/-5	U	10.0	P	10/10/2025	17:08	LB137500
	Cobalt	2.26	+/-15	U	30.0	P	10/10/2025	17:08	LB137500
	Copper	4.60	+/-10	U	20.0	P	10/10/2025	17:08	LB137500
	Iron	23.4	+/-50	U	100	P	10/10/2025	17:08	LB137500
	Lead	2.30	+/-6	U	12.0	P	10/10/2025	17:08	LB137500
	Magnesium	244	+/-1000	U	2000	P	10/10/2025	17:08	LB137500
	Manganese	5.94	+/-10	U	20.0	P	10/10/2025	17:08	LB137500
	Nickel	3.06	+/-20	U	40.0	P	10/10/2025	17:08	LB137500
	Potassium	918	+/-1000	U	2000	P	10/10/2025	17:08	LB137500
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	Silver	1.62	+/-5	U	10.0	P	10/10/2025	17:08	LB137500
	Sodium	868	+/-1000	U	2000	P	10/10/2025	17:08	LB137500
	Thallium	4.38	+/-20	U	40.0	P	10/10/2025	17:08	LB137500
	Vanadium	6.26	+/-20	U	40.0	P	10/10/2025	17:08	LB137500
	Zinc	16.7	+/-20	U	40.0	P	10/10/2025	17:08	LB137500