



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Langan Engineering and Environmental Services, Ir

SDG No.: Q3323

Contract: LANG01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB68	Mercury	0.076	+/-0.2	U	0.20	CV	10/13/2025	13:51	LB137509

Metals

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Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB19	Mercury	0.076	+/-0.2	U	0.20	CV	10/13/2025	13:56	LB137509
CCB20	Mercury	0.076	+/-0.2	U	0.20	CV	10/13/2025	14:29	LB137509
CCB21	Mercury	0.076	+/-0.2	U	0.20	CV	10/13/2025	14:59	LB137509
CCB22	Mercury	0.076	+/-0.2	U	0.20	CV	10/13/2025	15:11	LB137509

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SDG No.: Q3323

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	11.3	+/-50	U	100	P	10/13/2025	12:55	LB137518
	Antimony	6.76	+/-25	U	50.0	P	10/13/2025	12:55	LB137518
	Arsenic	5.12	+/-10	U	20.0	P	10/13/2025	12:55	LB137518
	Barium	14.6	+/-50	U	100	P	10/13/2025	12:55	LB137518
	Beryllium	0.56	+/-3	U	6.00	P	10/13/2025	12:55	LB137518
	Cadmium	0.50	+/-3	U	6.00	P	10/13/2025	12:55	LB137518
	Calcium	234	+/-1000	U	2000	P	10/13/2025	12:55	LB137518
	Chromium	2.12	+/-5	U	10.0	P	10/13/2025	12:55	LB137518
	Cobalt	2.26	+/-15	U	30.0	P	10/13/2025	12:55	LB137518
	Copper	4.60	+/-10	U	20.0	P	10/13/2025	12:55	LB137518
	Iron	23.4	+/-50	U	100	P	10/13/2025	12:55	LB137518
	Lead	2.30	+/-6	U	12.0	P	10/13/2025	12:55	LB137518
	Magnesium	244	+/-1000	U	2000	P	10/13/2025	12:55	LB137518
	Manganese	5.94	+/-10	U	20.0	P	10/13/2025	12:55	LB137518
	Nickel	3.06	+/-20	U	40.0	P	10/13/2025	12:55	LB137518
	Potassium	918	+/-1000	U	2000	P	10/13/2025	12:55	LB137518
	Selenium	9.64	+/-10	U	20.0	P	10/13/2025	12:55	LB137518
	Silver	1.62	+/-5	U	10.0	P	10/13/2025	12:55	LB137518
	Sodium	868	+/-1000	U	2000	P	10/13/2025	12:55	LB137518
	Thallium	4.38	+/-20	U	40.0	P	10/13/2025	12:55	LB137518
	Vanadium	6.26	+/-20	U	40.0	P	10/13/2025	12:55	LB137518
	Zinc	16.7	+/-20	U	40.0	P	10/13/2025	12:55	LB137518

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Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	10/13/2025	13:25	LB137518
	Antimony	6.76	+/-25	U	50.0	P	10/13/2025	13:25	LB137518
	Arsenic	5.12	+/-10	U	20.0	P	10/13/2025	13:25	LB137518
	Barium	14.6	+/-50	U	100	P	10/13/2025	13:25	LB137518
	Beryllium	0.56	+/-3	U	6.00	P	10/13/2025	13:25	LB137518
	Cadmium	0.50	+/-3	U	6.00	P	10/13/2025	13:25	LB137518
	Calcium	234	+/-1000	U	2000	P	10/13/2025	13:25	LB137518
	Chromium	2.12	+/-5	U	10.0	P	10/13/2025	13:25	LB137518
	Cobalt	2.26	+/-15	U	30.0	P	10/13/2025	13:25	LB137518
	Copper	4.60	+/-10	U	20.0	P	10/13/2025	13:25	LB137518
	Iron	23.4	+/-50	U	100	P	10/13/2025	13:25	LB137518
	Lead	2.30	+/-6	U	12.0	P	10/13/2025	13:25	LB137518
	Magnesium	244	+/-1000	U	2000	P	10/13/2025	13:25	LB137518
	Manganese	5.94	+/-10	U	20.0	P	10/13/2025	13:25	LB137518
	Nickel	3.06	+/-20	U	40.0	P	10/13/2025	13:25	LB137518
	Potassium	918	+/-1000	U	2000	P	10/13/2025	13:25	LB137518
	Selenium	9.64	+/-10	U	20.0	P	10/13/2025	13:25	LB137518
	Silver	1.62	+/-5	U	10.0	P	10/13/2025	13:25	LB137518
	Sodium	868	+/-1000	U	2000	P	10/13/2025	13:25	LB137518
	Thallium	4.38	+/-20	U	40.0	P	10/13/2025	13:25	LB137518
	Vanadium	6.26	+/-20	U	40.0	P	10/13/2025	13:25	LB137518
	Zinc	16.7	+/-20	U	40.0	P	10/13/2025	13:25	LB137518
CCB02	Aluminum	11.3	+/-50	U	100	P	10/13/2025	14:22	LB137518
	Antimony	6.76	+/-25	U	50.0	P	10/13/2025	14:22	LB137518
	Arsenic	5.12	+/-10	U	20.0	P	10/13/2025	14:22	LB137518
	Barium	14.6	+/-50	U	100	P	10/13/2025	14:22	LB137518
	Beryllium	0.56	+/-3	U	6.00	P	10/13/2025	14:22	LB137518
	Cadmium	0.50	+/-3	U	6.00	P	10/13/2025	14:22	LB137518
	Calcium	234	+/-1000	U	2000	P	10/13/2025	14:22	LB137518
	Chromium	2.12	+/-5	U	10.0	P	10/13/2025	14:22	LB137518
	Cobalt	2.26	+/-15	U	30.0	P	10/13/2025	14:22	LB137518
	Copper	4.60	+/-10	U	20.0	P	10/13/2025	14:22	LB137518
	Iron	23.4	+/-50	U	100	P	10/13/2025	14:22	LB137518
	Lead	2.30	+/-6	U	12.0	P	10/13/2025	14:22	LB137518
	Magnesium	244	+/-1000	U	2000	P	10/13/2025	14:22	LB137518
	Manganese	5.94	+/-10	U	20.0	P	10/13/2025	14:22	LB137518
	Nickel	3.06	+/-20	U	40.0	P	10/13/2025	14:22	LB137518
	Potassium	918	+/-1000	U	2000	P	10/13/2025	14:22	LB137518
	Selenium	9.64	+/-10	U	20.0	P	10/13/2025	14:22	LB137518

Metals

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Client: Langan Engineering and Environmental Services, Ir

SDG No.: Q3323

Contract: LANG01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	10/13/2025	14:22	LB137518
	Sodium	868	+/-1000	U	2000	P	10/13/2025	14:22	LB137518
	Thallium	4.38	+/-20	U	40.0	P	10/13/2025	14:22	LB137518
	Vanadium	6.26	+/-20	U	40.0	P	10/13/2025	14:22	LB137518
	Zinc	16.7	+/-20	U	40.0	P	10/13/2025	14:22	LB137518
CCB03	Aluminum	11.3	+/-50	U	100	P	10/13/2025	16:08	LB137518
	Antimony	6.76	+/-25	U	50.0	P	10/13/2025	16:08	LB137518
	Arsenic	5.12	+/-10	U	20.0	P	10/13/2025	16:08	LB137518
	Barium	14.6	+/-50	U	100	P	10/13/2025	16:08	LB137518
	Beryllium	0.56	+/-3	U	6.00	P	10/13/2025	16:08	LB137518
	Cadmium	0.50	+/-3	U	6.00	P	10/13/2025	16:08	LB137518
	Calcium	234	+/-1000	U	2000	P	10/13/2025	16:08	LB137518
	Chromium	2.12	+/-5	U	10.0	P	10/13/2025	16:08	LB137518
	Cobalt	2.26	+/-15	U	30.0	P	10/13/2025	16:08	LB137518
	Copper	4.60	+/-10	U	20.0	P	10/13/2025	16:08	LB137518
	Iron	23.4	+/-50	U	100	P	10/13/2025	16:08	LB137518
	Lead	2.30	+/-6	U	12.0	P	10/13/2025	16:08	LB137518
	Magnesium	244	+/-1000	U	2000	P	10/13/2025	16:08	LB137518
	Manganese	5.94	+/-10	U	20.0	P	10/13/2025	16:08	LB137518
	Nickel	3.06	+/-20	U	40.0	P	10/13/2025	16:08	LB137518
	Potassium	918	+/-1000	U	2000	P	10/13/2025	16:08	LB137518
	Selenium	9.64	+/-10	U	20.0	P	10/13/2025	16:08	LB137518
	Silver	1.62	+/-5	U	10.0	P	10/13/2025	16:08	LB137518
	Sodium	868	+/-1000	U	2000	P	10/13/2025	16:08	LB137518
	Thallium	4.38	+/-20	U	40.0	P	10/13/2025	16:08	LB137518
	Vanadium	6.26	+/-20	U	40.0	P	10/13/2025	16:08	LB137518
	Zinc	16.7	+/-20	U	40.0	P	10/13/2025	16:08	LB137518
CCB04	Aluminum	11.3	+/-50	U	100	P	10/13/2025	17:06	LB137518
	Antimony	6.76	+/-25	U	50.0	P	10/13/2025	17:06	LB137518
	Arsenic	5.12	+/-10	U	20.0	P	10/13/2025	17:06	LB137518
	Barium	14.6	+/-50	U	100	P	10/13/2025	17:06	LB137518
	Beryllium	0.56	+/-3	U	6.00	P	10/13/2025	17:06	LB137518
	Cadmium	0.50	+/-3	U	6.00	P	10/13/2025	17:06	LB137518
	Calcium	234	+/-1000	U	2000	P	10/13/2025	17:06	LB137518
	Chromium	2.12	+/-5	U	10.0	P	10/13/2025	17:06	LB137518
	Cobalt	2.26	+/-15	U	30.0	P	10/13/2025	17:06	LB137518
	Copper	4.60	+/-10	U	20.0	P	10/13/2025	17:06	LB137518
	Iron	23.4	+/-50	U	100	P	10/13/2025	17:06	LB137518
	Lead	2.30	+/-6	U	12.0	P	10/13/2025	17:06	LB137518

Metals

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SDG No.: Q3323

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Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	10/13/2025	17:06	LB137518
	Manganese	5.94	+/-10	U	20.0	P	10/13/2025	17:06	LB137518
	Nickel	3.06	+/-20	U	40.0	P	10/13/2025	17:06	LB137518
	Potassium	918	+/-1000	U	2000	P	10/13/2025	17:06	LB137518
	Selenium	9.64	+/-10	U	20.0	P	10/13/2025	17:06	LB137518
	Silver	1.62	+/-5	U	10.0	P	10/13/2025	17:06	LB137518
	Sodium	868	+/-1000	U	2000	P	10/13/2025	17:06	LB137518
	Thallium	4.38	+/-20	U	40.0	P	10/13/2025	17:06	LB137518
	Vanadium	6.26	+/-20	U	40.0	P	10/13/2025	17:06	LB137518
	Zinc	16.7	+/-20	U	40.0	P	10/13/2025	17:06	LB137518
CCB05	Aluminum	11.3	+/-50	U	100	P	10/13/2025	18:15	LB137518
	Antimony	6.76	+/-25	U	50.0	P	10/13/2025	18:15	LB137518
	Arsenic	5.12	+/-10	U	20.0	P	10/13/2025	18:15	LB137518
	Barium	14.6	+/-50	U	100	P	10/13/2025	18:15	LB137518
	Beryllium	0.56	+/-3	U	6.00	P	10/13/2025	18:15	LB137518
	Cadmium	0.50	+/-3	U	6.00	P	10/13/2025	18:15	LB137518
	Calcium	234	+/-1000	U	2000	P	10/13/2025	18:15	LB137518
	Chromium	2.12	+/-5	U	10.0	P	10/13/2025	18:15	LB137518
	Cobalt	2.26	+/-15	U	30.0	P	10/13/2025	18:15	LB137518
	Copper	4.60	+/-10	U	20.0	P	10/13/2025	18:15	LB137518
	Iron	23.4	+/-50	U	100	P	10/13/2025	18:15	LB137518
	Lead	2.30	+/-6	U	12.0	P	10/13/2025	18:15	LB137518
	Magnesium	244	+/-1000	U	2000	P	10/13/2025	18:15	LB137518
	Manganese	5.94	+/-10	U	20.0	P	10/13/2025	18:15	LB137518
	Nickel	3.06	+/-20	U	40.0	P	10/13/2025	18:15	LB137518
	Potassium	918	+/-1000	U	2000	P	10/13/2025	18:15	LB137518
	Selenium	9.64	+/-10	U	20.0	P	10/13/2025	18:15	LB137518
	Silver	1.62	+/-5	U	10.0	P	10/13/2025	18:15	LB137518
	Sodium	868	+/-1000	U	2000	P	10/13/2025	18:15	LB137518
	Thallium	5.12	+/-20	J	40.0	P	10/13/2025	18:15	LB137518
	Vanadium	6.26	+/-20	U	40.0	P	10/13/2025	18:15	LB137518
	Zinc	16.7	+/-20	U	40.0	P	10/13/2025	18:15	LB137518
CCB06	Aluminum	11.3	+/-50	U	100	P	10/13/2025	19:01	LB137518
	Antimony	6.76	+/-25	U	50.0	P	10/13/2025	19:01	LB137518
	Arsenic	5.12	+/-10	U	20.0	P	10/13/2025	19:01	LB137518
	Barium	14.6	+/-50	U	100	P	10/13/2025	19:01	LB137518
	Beryllium	0.56	+/-3	U	6.00	P	10/13/2025	19:01	LB137518
	Cadmium	0.50	+/-3	U	6.00	P	10/13/2025	19:01	LB137518
	Calcium	234	+/-1000	U	2000	P	10/13/2025	19:01	LB137518

Metals

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SDG No.: Q3323

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Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	10/13/2025	19:01	LB137518
	Cobalt	2.26	+/-15	U	30.0	P	10/13/2025	19:01	LB137518
	Copper	4.60	+/-10	U	20.0	P	10/13/2025	19:01	LB137518
	Iron	23.4	+/-50	U	100	P	10/13/2025	19:01	LB137518
	Lead	2.30	+/-6	U	12.0	P	10/13/2025	19:01	LB137518
	Magnesium	244	+/-1000	U	2000	P	10/13/2025	19:01	LB137518
	Manganese	5.94	+/-10	U	20.0	P	10/13/2025	19:01	LB137518
	Nickel	3.06	+/-20	U	40.0	P	10/13/2025	19:01	LB137518
	Potassium	918	+/-1000	U	2000	P	10/13/2025	19:01	LB137518
	Selenium	9.64	+/-10	U	20.0	P	10/13/2025	19:01	LB137518
	Silver	1.62	+/-5	U	10.0	P	10/13/2025	19:01	LB137518
	Sodium	868	+/-1000	U	2000	P	10/13/2025	19:01	LB137518
	Thallium	4.38	+/-20	U	40.0	P	10/13/2025	19:01	LB137518
	Vanadium	6.26	+/-20	U	40.0	P	10/13/2025	19:01	LB137518
	Zinc	16.7	+/-20	U	40.0	P	10/13/2025	19:01	LB137518
CCB07	Aluminum	12.6	+/-50	J	100	P	10/13/2025	19:50	LB137518
	Antimony	6.76	+/-25	U	50.0	P	10/13/2025	19:50	LB137518
	Arsenic	5.12	+/-10	U	20.0	P	10/13/2025	19:50	LB137518
	Barium	14.6	+/-50	U	100	P	10/13/2025	19:50	LB137518
	Beryllium	0.56	+/-3	U	6.00	P	10/13/2025	19:50	LB137518
	Cadmium	0.50	+/-3	U	6.00	P	10/13/2025	19:50	LB137518
	Calcium	234	+/-1000	U	2000	P	10/13/2025	19:50	LB137518
	Chromium	2.12	+/-5	U	10.0	P	10/13/2025	19:50	LB137518
	Cobalt	2.26	+/-15	U	30.0	P	10/13/2025	19:50	LB137518
	Copper	4.60	+/-10	U	20.0	P	10/13/2025	19:50	LB137518
	Iron	23.4	+/-50	U	100	P	10/13/2025	19:50	LB137518
	Lead	2.30	+/-6	U	12.0	P	10/13/2025	19:50	LB137518
	Magnesium	244	+/-1000	U	2000	P	10/13/2025	19:50	LB137518
	Manganese	5.94	+/-10	U	20.0	P	10/13/2025	19:50	LB137518
	Nickel	3.06	+/-20	U	40.0	P	10/13/2025	19:50	LB137518
	Potassium	918	+/-1000	U	2000	P	10/13/2025	19:50	LB137518
	Selenium	9.64	+/-10	U	20.0	P	10/13/2025	19:50	LB137518
	Silver	1.62	+/-5	U	10.0	P	10/13/2025	19:50	LB137518
	Sodium	868	+/-1000	U	2000	P	10/13/2025	19:50	LB137518
	Thallium	4.38	+/-20	U	40.0	P	10/13/2025	19:50	LB137518
	Vanadium	6.26	+/-20	U	40.0	P	10/13/2025	19:50	LB137518
	Zinc	16.7	+/-20	U	40.0	P	10/13/2025	19:50	LB137518