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Client:	LiRo Engineers, Inc.	SDG No.:	P1747				
Contract:	LIRO01	Lab Code:	CHEM	Case No.:	P1747	SAS No.:	P1747

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB53	Mercury	0.20	+/-0.20	U	0.20	CV	03/19/2024	12:39	LB129940



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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:		LiRo Engineers, Inc.			SDG No.:		P1747			
Contract:		LIRO01	Lab Code:	CHEM	Case No.:		P1747	SAS No.:		P1747
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number	
CCB81	Mercury	0.20	+/-0.20	U	0.20	CV	03/19/2024	12:44	LB129940	
CCB82	Mercury	0.20	+/-0.20	U	0.20	CV	03/19/2024	13:14	LB129940	
CCB83	Mercury	0.20	+/-0.20	U	0.20	CV	03/19/2024	13:44	LB129940	
CCB84	Mercury	0.20	+/-0.20	U	0.20	CV	03/19/2024	14:11	LB129940	
CCB85	Mercury	0.20	+/-0.20	U	0.20	CV	03/19/2024	14:42	LB129940	
CCB86	Mercury	0.20	+/-0.20	U	0.20	CV	03/19/2024	14:59	LB129940	



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.

SDG No.: P1747

Contract: LIRO01

Lab Code: CHEM

Case No.: P1747

SAS No.: P1747

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB55	Mercury	0.20	+/-0.20	U	0.20	CV	03/20/2024	14:26	LB129958



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Client: LiRo Engineers, Inc.

SDG No.: P1747

Contract: LIRO01

Lab Code: CHEM

Case No.: P1747

SAS No.: P1747

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB89	Mercury	0.20	+/-0.20	U	0.20	CV	03/20/2024	14:35	LB129958
CCB90	Mercury	0.20	+/-0.20	U	0.20	CV	03/20/2024	15:26	LB129958
CCB91	Mercury	0.20	+/-0.20	U	0.20	CV	03/20/2024	15:50	LB129958



Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.

SDG No.: P1747

Contract: LIRO01

Lab Code: CHEM

Case No.: P1747

SAS No.: P1747

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	03/14/2024	12:51	LB129894
	Antimony	50.0	+/-50.0	U	50.0	P	03/14/2024	12:51	LB129894
	Arsenic	20.0	+/-20.0	U	20.0	P	03/14/2024	12:51	LB129894
	Barium	100	+/-100	U	100	P	03/14/2024	12:51	LB129894
	Beryllium	6.00	+/-6.00	U	6.00	P	03/14/2024	12:51	LB129894
	Cadmium	6.00	+/-6.00	U	6.00	P	03/14/2024	12:51	LB129894
	Calcium	2000	+/-2000	U	2000	P	03/14/2024	12:51	LB129894
	Chromium	10.0	+/-10.0	U	10.0	P	03/14/2024	12:51	LB129894
	Cobalt	30.0	+/-30.0	U	30.0	P	03/14/2024	12:51	LB129894
	Copper	20.0	+/-20.0	U	20.0	P	03/14/2024	12:51	LB129894
	Iron	100	+/-100	U	100	P	03/14/2024	12:51	LB129894
	Lead	12.0	+/-12.0	U	12.0	P	03/14/2024	12:51	LB129894
	Magnesium	2000	+/-2000	U	2000	P	03/14/2024	12:51	LB129894
	Manganese	20.0	+/-20.0	U	20.0	P	03/14/2024	12:51	LB129894
	Nickel	40.0	+/-40.0	U	40.0	P	03/14/2024	12:51	LB129894
	Potassium	2000	+/-2000	U	2000	P	03/14/2024	12:51	LB129894
	Selenium	20.0	+/-20.0	U	20.0	P	03/14/2024	12:51	LB129894
	Silver	10.0	+/-10.0	U	10.0	P	03/14/2024	12:51	LB129894
	Sodium	2000	+/-2000	U	2000	P	03/14/2024	12:51	LB129894
	Thallium	40.0	+/-40.0	U	40.0	P	03/14/2024	12:51	LB129894
	Vanadium	40.0	+/-40.0	U	40.0	P	03/14/2024	12:51	LB129894
	Zinc	40.0	+/-40.0	U	40.0	P	03/14/2024	12:51	LB129894



Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.

SDG No.: P1747

Contract: LIRO01

Lab Code: CHEM

Case No.: P1747

SAS No.: P1747

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	03/14/2024	13:22	LB129894
	Antimony	50.0	+/-50.0	U	50.0	P	03/14/2024	13:22	LB129894
	Arsenic	20.0	+/-20.0	U	20.0	P	03/14/2024	13:22	LB129894
	Barium	100	+/-100	U	100	P	03/14/2024	13:22	LB129894
	Beryllium	6.00	+/-6.00	U	6.00	P	03/14/2024	13:22	LB129894
	Cadmium	6.00	+/-6.00	U	6.00	P	03/14/2024	13:22	LB129894
	Calcium	2000	+/-2000	U	2000	P	03/14/2024	13:22	LB129894
	Chromium	10.0	+/-10.0	U	10.0	P	03/14/2024	13:22	LB129894
	Cobalt	30.0	+/-30.0	U	30.0	P	03/14/2024	13:22	LB129894
	Copper	20.0	+/-20.0	U	20.0	P	03/14/2024	13:22	LB129894
	Iron	100	+/-100	U	100	P	03/14/2024	13:22	LB129894
	Lead	12.0	+/-12.0	U	12.0	P	03/14/2024	13:22	LB129894
	Magnesium	2000	+/-2000	U	2000	P	03/14/2024	13:22	LB129894
	Manganese	20.0	+/-20.0	U	20.0	P	03/14/2024	13:22	LB129894
	Nickel	40.0	+/-40.0	U	40.0	P	03/14/2024	13:22	LB129894
	Potassium	2000	+/-2000	U	2000	P	03/14/2024	13:22	LB129894
	Selenium	20.0	+/-20.0	U	20.0	P	03/14/2024	13:22	LB129894
	Silver	10.0	+/-10.0	U	10.0	P	03/14/2024	13:22	LB129894
	Sodium	2000	+/-2000	U	2000	P	03/14/2024	13:22	LB129894
	Thallium	40.0	+/-40.0	U	40.0	P	03/14/2024	13:22	LB129894
	Vanadium	40.0	+/-40.0	U	40.0	P	03/14/2024	13:22	LB129894
	Zinc	40.0	+/-40.0	U	40.0	P	03/14/2024	13:22	LB129894
CCB02	Aluminum	100	+/-100	U	100	P	03/14/2024	14:18	LB129894
	Antimony	50.0	+/-50.0	U	50.0	P	03/14/2024	14:18	LB129894
	Arsenic	20.0	+/-20.0	U	20.0	P	03/14/2024	14:18	LB129894
	Barium	100	+/-100	U	100	P	03/14/2024	14:18	LB129894
	Beryllium	6.00	+/-6.00	U	6.00	P	03/14/2024	14:18	LB129894
	Cadmium	6.00	+/-6.00	U	6.00	P	03/14/2024	14:18	LB129894
	Calcium	2000	+/-2000	U	2000	P	03/14/2024	14:18	LB129894
	Chromium	10.0	+/-10.0	U	10.0	P	03/14/2024	14:18	LB129894
	Cobalt	30.0	+/-30.0	U	30.0	P	03/14/2024	14:18	LB129894
	Copper	20.0	+/-20.0	U	20.0	P	03/14/2024	14:18	LB129894
	Iron	100	+/-100	U	100	P	03/14/2024	14:18	LB129894
	Lead	12.0	+/-12.0	U	12.0	P	03/14/2024	14:18	LB129894
	Magnesium	2000	+/-2000	U	2000	P	03/14/2024	14:18	LB129894
	Manganese	20.0	+/-20.0	U	20.0	P	03/14/2024	14:18	LB129894
	Nickel	40.0	+/-40.0	U	40.0	P	03/14/2024	14:18	LB129894
	Potassium	2000	+/-2000	U	2000	P	03/14/2024	14:18	LB129894
	Selenium	20.0	+/-20.0	U	20.0	P	03/14/2024	14:18	LB129894
	Silver	10.0	+/-10.0	U	10.0	P	03/14/2024	14:18	LB129894



Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.

SDG No.: P1747

Contract: LIRO01

Lab Code: CHEM

Case No.: P1747

SAS No.: P1747

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	03/14/2024	14:18	LB129894
	Thallium	40.0	+/-40.0	U	40.0	P	03/14/2024	14:18	LB129894
	Vanadium	40.0	+/-40.0	U	40.0	P	03/14/2024	14:18	LB129894
	Zinc	40.0	+/-40.0	U	40.0	P	03/14/2024	14:18	LB129894
CCB03	Aluminum	100	+/-100	U	100	P	03/14/2024	15:32	LB129894
	Antimony	50.0	+/-50.0	U	50.0	P	03/14/2024	15:32	LB129894
	Arsenic	20.0	+/-20.0	U	20.0	P	03/14/2024	15:32	LB129894
	Barium	100	+/-100	U	100	P	03/14/2024	15:32	LB129894
	Beryllium	6.00	+/-6.00	U	6.00	P	03/14/2024	15:32	LB129894
	Cadmium	6.00	+/-6.00	U	6.00	P	03/14/2024	15:32	LB129894
	Calcium	2000	+/-2000	U	2000	P	03/14/2024	15:32	LB129894
	Chromium	10.0	+/-10.0	U	10.0	P	03/14/2024	15:32	LB129894
	Cobalt	30.0	+/-30.0	U	30.0	P	03/14/2024	15:32	LB129894
	Copper	20.0	+/-20.0	U	20.0	P	03/14/2024	15:32	LB129894
	Iron	100	+/-100	U	100	P	03/14/2024	15:32	LB129894
	Lead	12.0	+/-12.0	U	12.0	P	03/14/2024	15:32	LB129894
	Magnesium	2000	+/-2000	U	2000	P	03/14/2024	15:32	LB129894
	Manganese	20.0	+/-20.0	U	20.0	P	03/14/2024	15:32	LB129894
	Nickel	40.0	+/-40.0	U	40.0	P	03/14/2024	15:32	LB129894
	Potassium	2000	+/-2000	U	2000	P	03/14/2024	15:32	LB129894
	Selenium	20.0	+/-20.0	U	20.0	P	03/14/2024	15:32	LB129894
	Silver	10.0	+/-10.0	U	10.0	P	03/14/2024	15:32	LB129894
	Sodium	2000	+/-2000	U	2000	P	03/14/2024	15:32	LB129894
	Thallium	40.0	+/-40.0	U	40.0	P	03/14/2024	15:32	LB129894
	Vanadium	40.0	+/-40.0	U	40.0	P	03/14/2024	15:32	LB129894
	Zinc	40.0	+/-40.0	U	40.0	P	03/14/2024	15:32	LB129894
CCB04	Aluminum	100	+/-100	U	100	P	03/14/2024	16:56	LB129894
	Antimony	50.0	+/-50.0	U	50.0	P	03/14/2024	16:56	LB129894
	Arsenic	20.0	+/-20.0	U	20.0	P	03/14/2024	16:56	LB129894
	Barium	100	+/-100	U	100	P	03/14/2024	16:56	LB129894
	Beryllium	6.00	+/-6.00	U	6.00	P	03/14/2024	16:56	LB129894
	Cadmium	6.00	+/-6.00	U	6.00	P	03/14/2024	16:56	LB129894
	Calcium	2000	+/-2000	U	2000	P	03/14/2024	16:56	LB129894
	Chromium	10.0	+/-10.0	U	10.0	P	03/14/2024	16:56	LB129894
	Cobalt	30.0	+/-30.0	U	30.0	P	03/14/2024	16:56	LB129894
	Copper	20.0	+/-20.0	U	20.0	P	03/14/2024	16:56	LB129894
	Iron	100	+/-100	U	100	P	03/14/2024	16:56	LB129894
	Lead	12.0	+/-12.0	U	12.0	P	03/14/2024	16:56	LB129894
	Magnesium	2000	+/-2000	U	2000	P	03/14/2024	16:56	LB129894
	Manganese	20.0	+/-20.0	U	20.0	P	03/14/2024	16:56	LB129894



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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.

SDG No.: P1747

Contract: LIRO01

Lab Code: CHEM

Case No.: P1747

SAS No.: P1747

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	03/14/2024	16:56	LB129894
	Potassium	2000	+/-2000	U	2000	P	03/14/2024	16:56	LB129894
	Selenium	20.0	+/-20.0	U	20.0	P	03/14/2024	16:56	LB129894
	Silver	10.0	+/-10.0	U	10.0	P	03/14/2024	16:56	LB129894
	Sodium	2000	+/-2000	U	2000	P	03/14/2024	16:56	LB129894
	Thallium	40.0	+/-40.0	U	40.0	P	03/14/2024	16:56	LB129894
	Vanadium	40.0	+/-40.0	U	40.0	P	03/14/2024	16:56	LB129894
	Zinc	40.0	+/-40.0	U	40.0	P	03/14/2024	16:56	LB129894



Metals

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SDG No.: P1747

Contract: LIRO01

Lab Code: CHEM

Case No.: P1747

SAS No.: P1747

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	03/18/2024	17:58	LB129934
	Antimony	50.0	+/-50.0	U	50.0	P	03/18/2024	17:58	LB129934
	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2024	17:58	LB129934
	Barium	100	+/-100	U	100	P	03/18/2024	17:58	LB129934
	Beryllium	6.00	+/-6.00	U	6.00	P	03/18/2024	17:58	LB129934
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2024	17:58	LB129934
	Calcium	2000	+/-2000	U	2000	P	03/18/2024	17:58	LB129934
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2024	17:58	LB129934
	Cobalt	30.0	+/-30.0	U	30.0	P	03/18/2024	17:58	LB129934
	Copper	20.0	+/-20.0	U	20.0	P	03/18/2024	17:58	LB129934
	Iron	100	+/-100	U	100	P	03/18/2024	17:58	LB129934
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2024	17:58	LB129934
	Magnesium	2000	+/-2000	U	2000	P	03/18/2024	17:58	LB129934
	Manganese	20.0	+/-20.0	U	20.0	P	03/18/2024	17:58	LB129934
	Nickel	40.0	+/-40.0	U	40.0	P	03/18/2024	17:58	LB129934
	Potassium	2000	+/-2000	U	2000	P	03/18/2024	17:58	LB129934
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2024	17:58	LB129934
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2024	17:58	LB129934
	Sodium	2000	+/-2000	U	2000	P	03/18/2024	17:58	LB129934
	Thallium	40.0	+/-40.0	U	40.0	P	03/18/2024	17:58	LB129934
	Vanadium	40.0	+/-40.0	U	40.0	P	03/18/2024	17:58	LB129934
	Zinc	40.0	+/-40.0	U	40.0	P	03/18/2024	17:58	LB129934



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.

SDG No.: P1747

Contract: LIRO01

Lab Code: CHEM

Case No.: P1747

SAS No.: P1747

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	03/18/2024	18:38	LB129934
	Antimony	50.0	+/-50.0	U	50.0	P	03/18/2024	18:38	LB129934
	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2024	18:38	LB129934
	Barium	100	+/-100	U	100	P	03/18/2024	18:38	LB129934
	Beryllium	6.00	+/-6.00	U	6.00	P	03/18/2024	18:38	LB129934
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2024	18:38	LB129934
	Calcium	2000	+/-2000	U	2000	P	03/18/2024	18:38	LB129934
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2024	18:38	LB129934
	Cobalt	30.0	+/-30.0	U	30.0	P	03/18/2024	18:38	LB129934
	Copper	20.0	+/-20.0	U	20.0	P	03/18/2024	18:38	LB129934
	Iron	100	+/-100	U	100	P	03/18/2024	18:38	LB129934
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2024	18:38	LB129934
	Magnesium	2000	+/-2000	U	2000	P	03/18/2024	18:38	LB129934
	Manganese	20.0	+/-20.0	U	20.0	P	03/18/2024	18:38	LB129934
	Nickel	40.0	+/-40.0	U	40.0	P	03/18/2024	18:38	LB129934
	Potassium	2000	+/-2000	U	2000	P	03/18/2024	18:38	LB129934
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2024	18:38	LB129934
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2024	18:38	LB129934
	Sodium	2000	+/-2000	U	2000	P	03/18/2024	18:38	LB129934
	Thallium	40.0	+/-40.0	U	40.0	P	03/18/2024	18:38	LB129934
CCB02	Vanadium	40.0	+/-40.0	U	40.0	P	03/18/2024	18:38	LB129934
	Zinc	40.0	+/-40.0	U	40.0	P	03/18/2024	18:38	LB129934
	Aluminum	100	+/-100	U	100	P	03/18/2024	19:52	LB129934
	Antimony	50.0	+/-50.0	U	50.0	P	03/18/2024	19:52	LB129934
	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2024	19:52	LB129934
	Barium	100	+/-100	U	100	P	03/18/2024	19:52	LB129934
	Beryllium	6.00	+/-6.00	U	6.00	P	03/18/2024	19:52	LB129934
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2024	19:52	LB129934
	Calcium	2000	+/-2000	U	2000	P	03/18/2024	19:52	LB129934
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2024	19:52	LB129934
	Cobalt	30.0	+/-30.0	U	30.0	P	03/18/2024	19:52	LB129934
	Copper	20.0	+/-20.0	U	20.0	P	03/18/2024	19:52	LB129934
	Iron	100	+/-100	U	100	P	03/18/2024	19:52	LB129934
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2024	19:52	LB129934
	Magnesium	2000	+/-2000	U	2000	P	03/18/2024	19:52	LB129934
	Manganese	20.0	+/-20.0	U	20.0	P	03/18/2024	19:52	LB129934
	Nickel	40.0	+/-40.0	U	40.0	P	03/18/2024	19:52	LB129934
	Potassium	2000	+/-2000	U	2000	P	03/18/2024	19:52	LB129934
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2024	19:52	LB129934
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2024	19:52	LB129934



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.SDG No.: P1747Contract: LIRO01Lab Code: CHEMCase No.: P1747SAS No.: P1747

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	03/18/2024	19:52	LB129934
	Thallium	40.0	+/-40.0	U	40.0	P	03/18/2024	19:52	LB129934
	Vanadium	40.0	+/-40.0	U	40.0	P	03/18/2024	19:52	LB129934
	Zinc	40.0	+/-40.0	U	40.0	P	03/18/2024	19:52	LB129934
CCB03	Aluminum	100	+/-100	U	100	P	03/18/2024	21:13	LB129934
	Antimony	50.0	+/-50.0	U	50.0	P	03/18/2024	21:13	LB129934
	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2024	21:13	LB129934
	Barium	100	+/-100	U	100	P	03/18/2024	21:13	LB129934
	Beryllium	6.00	+/-6.00	U	6.00	P	03/18/2024	21:13	LB129934
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2024	21:13	LB129934
	Calcium	2000	+/-2000	U	2000	P	03/18/2024	21:13	LB129934
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2024	21:13	LB129934
	Cobalt	30.0	+/-30.0	U	30.0	P	03/18/2024	21:13	LB129934
	Copper	20.0	+/-20.0	U	20.0	P	03/18/2024	21:13	LB129934
	Iron	100	+/-100	U	100	P	03/18/2024	21:13	LB129934
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2024	21:13	LB129934
	Magnesium	2000	+/-2000	U	2000	P	03/18/2024	21:13	LB129934
	Manganese	20.0	+/-20.0	U	20.0	P	03/18/2024	21:13	LB129934
	Nickel	40.0	+/-40.0	U	40.0	P	03/18/2024	21:13	LB129934
	Potassium	2000	+/-2000	U	2000	P	03/18/2024	21:13	LB129934
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2024	21:13	LB129934
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2024	21:13	LB129934
	Sodium	2000	+/-2000	U	2000	P	03/18/2024	21:13	LB129934
	Thallium	40.0	+/-40.0	U	40.0	P	03/18/2024	21:13	LB129934
	Vanadium	40.0	+/-40.0	U	40.0	P	03/18/2024	21:13	LB129934
	Zinc	40.0	+/-40.0	U	40.0	P	03/18/2024	21:13	LB129934
CCB04	Aluminum	100	+/-100	U	100	P	03/18/2024	22:31	LB129934
	Antimony	50.0	+/-50.0	U	50.0	P	03/18/2024	22:31	LB129934
	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2024	22:31	LB129934
	Barium	100	+/-100	U	100	P	03/18/2024	22:31	LB129934
	Beryllium	6.00	+/-6.00	U	6.00	P	03/18/2024	22:31	LB129934
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2024	22:31	LB129934
	Calcium	2000	+/-2000	U	2000	P	03/18/2024	22:31	LB129934
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2024	22:31	LB129934
	Cobalt	30.0	+/-30.0	U	30.0	P	03/18/2024	22:31	LB129934
	Copper	20.0	+/-20.0	U	20.0	P	03/18/2024	22:31	LB129934
	Iron	100	+/-100	U	100	P	03/18/2024	22:31	LB129934
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2024	22:31	LB129934
	Magnesium	2000	+/-2000	U	2000	P	03/18/2024	22:31	LB129934
	Manganese	20.0	+/-20.0	U	20.0	P	03/18/2024	22:31	LB129934



Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.

SDG No.: P1747

Contract: LIRO01

Lab Code: CHEM

Case No.: P1747

SAS No.: P1747

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	03/18/2024	22:31	LB129934
	Potassium	2000	+/-2000	U	2000	P	03/18/2024	22:31	LB129934
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2024	22:31	LB129934
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2024	22:31	LB129934
	Sodium	2000	+/-2000	U	2000	P	03/18/2024	22:31	LB129934
	Thallium	40.0	+/-40.0	U	40.0	P	03/18/2024	22:31	LB129934
	Vanadium	40.0	+/-40.0	U	40.0	P	03/18/2024	22:31	LB129934
	Zinc	40.0	+/-40.0	U	40.0	P	03/18/2024	22:31	LB129934
CCB05	Aluminum	100	+/-100	U	100	P	03/18/2024	23:24	LB129934
	Antimony	50.0	+/-50.0	U	50.0	P	03/18/2024	23:24	LB129934
	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2024	23:24	LB129934
	Barium	100	+/-100	U	100	P	03/18/2024	23:24	LB129934
	Beryllium	6.00	+/-6.00	U	6.00	P	03/18/2024	23:24	LB129934
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2024	23:24	LB129934
	Calcium	2000	+/-2000	U	2000	P	03/18/2024	23:24	LB129934
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2024	23:24	LB129934
	Cobalt	30.0	+/-30.0	U	30.0	P	03/18/2024	23:24	LB129934
	Copper	20.0	+/-20.0	U	20.0	P	03/18/2024	23:24	LB129934
	Iron	100	+/-100	U	100	P	03/18/2024	23:24	LB129934
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2024	23:24	LB129934
	Magnesium	2000	+/-2000	U	2000	P	03/18/2024	23:24	LB129934
	Manganese	20.0	+/-20.0	U	20.0	P	03/18/2024	23:24	LB129934
	Nickel	40.0	+/-40.0	U	40.0	P	03/18/2024	23:24	LB129934
	Potassium	2000	+/-2000	U	2000	P	03/18/2024	23:24	LB129934
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2024	23:24	LB129934
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2024	23:24	LB129934
	Sodium	2000	+/-2000	U	2000	P	03/18/2024	23:24	LB129934
	Thallium	40.0	+/-40.0	U	40.0	P	03/18/2024	23:24	LB129934
	Vanadium	40.0	+/-40.0	U	40.0	P	03/18/2024	23:24	LB129934
	Zinc	40.0	+/-40.0	U	40.0	P	03/18/2024	23:24	LB129934
CCB06	Aluminum	100	+/-100	U	100	P	03/19/2024	00:51	LB129934
	Antimony	50.0	+/-50.0	U	50.0	P	03/19/2024	00:51	LB129934
	Arsenic	20.0	+/-20.0	U	20.0	P	03/19/2024	00:51	LB129934
	Barium	100	+/-100	U	100	P	03/19/2024	00:51	LB129934
	Beryllium	6.00	+/-6.00	U	6.00	P	03/19/2024	00:51	LB129934
	Cadmium	6.00	+/-6.00	U	6.00	P	03/19/2024	00:51	LB129934
	Calcium	2000	+/-2000	U	2000	P	03/19/2024	00:51	LB129934
	Chromium	10.0	+/-10.0	U	10.0	P	03/19/2024	00:51	LB129934
	Cobalt	30.0	+/-30.0	U	30.0	P	03/19/2024	00:51	LB129934
	Copper	20.0	+/-20.0	U	20.0	P	03/19/2024	00:51	LB129934



Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.

SDG No.: P1747

Contract: LIRO01

Lab Code: CHEM

Case No.: P1747

SAS No.: P1747

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Iron	100	+/-100	U	100	P	03/19/2024	00:51	LB129934
	Lead	12.0	+/-12.0	U	12.0	P	03/19/2024	00:51	LB129934
	Magnesium	2000	+/-2000	U	2000	P	03/19/2024	00:51	LB129934
	Manganese	20.0	+/-20.0	U	20.0	P	03/19/2024	00:51	LB129934
	Nickel	40.0	+/-40.0	U	40.0	P	03/19/2024	00:51	LB129934
	Potassium	2000	+/-2000	U	2000	P	03/19/2024	00:51	LB129934
	Selenium	20.0	+/-20.0	U	20.0	P	03/19/2024	00:51	LB129934
	Silver	10.0	+/-10.0	U	10.0	P	03/19/2024	00:51	LB129934
	Sodium	2000	+/-2000	U	2000	P	03/19/2024	00:51	LB129934
	Thallium	40.0	+/-40.0	U	40.0	P	03/19/2024	00:51	LB129934
	Vanadium	40.0	+/-40.0	U	40.0	P	03/19/2024	00:51	LB129934
	Zinc	40.0	+/-40.0	U	40.0	P	03/19/2024	00:51	LB129934
CCB07	Aluminum	100	+/-100	U	100	P	03/19/2024	01:57	LB129934
	Antimony	50.0	+/-50.0	U	50.0	P	03/19/2024	01:57	LB129934
	Arsenic	20.0	+/-20.0	U	20.0	P	03/19/2024	01:57	LB129934
	Barium	100	+/-100	U	100	P	03/19/2024	01:57	LB129934
	Beryllium	6.00	+/-6.00	U	6.00	P	03/19/2024	01:57	LB129934
	Cadmium	6.00	+/-6.00	U	6.00	P	03/19/2024	01:57	LB129934
	Calcium	2000	+/-2000	U	2000	P	03/19/2024	01:57	LB129934
	Chromium	10.0	+/-10.0	U	10.0	P	03/19/2024	01:57	LB129934
	Cobalt	30.0	+/-30.0	U	30.0	P	03/19/2024	01:57	LB129934
	Copper	20.0	+/-20.0	U	20.0	P	03/19/2024	01:57	LB129934
	Iron	100	+/-100	U	100	P	03/19/2024	01:57	LB129934
	Lead	12.0	+/-12.0	U	12.0	P	03/19/2024	01:57	LB129934
	Magnesium	2000	+/-2000	U	2000	P	03/19/2024	01:57	LB129934
	Manganese	20.0	+/-20.0	U	20.0	P	03/19/2024	01:57	LB129934
	Nickel	40.0	+/-40.0	U	40.0	P	03/19/2024	01:57	LB129934
	Potassium	2000	+/-2000	U	2000	P	03/19/2024	01:57	LB129934
	Selenium	20.0	+/-20.0	U	20.0	P	03/19/2024	01:57	LB129934
	Silver	10.0	+/-10.0	U	10.0	P	03/19/2024	01:57	LB129934
	Sodium	2000	+/-2000	U	2000	P	03/19/2024	01:57	LB129934
	Thallium	40.0	+/-40.0	U	40.0	P	03/19/2024	01:57	LB129934
	Vanadium	40.0	+/-40.0	U	40.0	P	03/19/2024	01:57	LB129934
	Zinc	40.0	+/-40.0	U	40.0	P	03/19/2024	01:57	LB129934



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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.

SDG No.: P1747

Contract: LIRO01

Lab Code: CHEM

Case No.: P1747

SAS No.: P1747

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	03/21/2024	12:07	LB129987
	Antimony	50.0	+/-50.0	U	50.0	P	03/21/2024	12:07	LB129987
	Arsenic	20.0	+/-20.0	U	20.0	P	03/21/2024	12:07	LB129987
	Barium	100	+/-100	U	100	P	03/21/2024	12:07	LB129987
	Beryllium	6.00	+/-6.00	U	6.00	P	03/21/2024	12:07	LB129987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/21/2024	12:07	LB129987
	Calcium	2000	+/-2000	U	2000	P	03/21/2024	12:07	LB129987
	Chromium	10.0	+/-10.0	U	10.0	P	03/21/2024	12:07	LB129987
	Cobalt	30.0	+/-30.0	U	30.0	P	03/21/2024	12:07	LB129987
	Copper	20.0	+/-20.0	U	20.0	P	03/21/2024	12:07	LB129987
	Iron	100	+/-100	U	100	P	03/21/2024	12:07	LB129987
	Lead	12.0	+/-12.0	U	12.0	P	03/21/2024	12:07	LB129987
	Magnesium	2000	+/-2000	U	2000	P	03/21/2024	12:07	LB129987
	Manganese	20.0	+/-20.0	U	20.0	P	03/21/2024	12:07	LB129987
	Nickel	40.0	+/-40.0	U	40.0	P	03/21/2024	12:07	LB129987
	Potassium	2000	+/-2000	U	2000	P	03/21/2024	12:07	LB129987
	Selenium	20.0	+/-20.0	U	20.0	P	03/21/2024	12:07	LB129987
	Silver	10.0	+/-10.0	U	10.0	P	03/21/2024	12:07	LB129987
	Sodium	2000	+/-2000	U	2000	P	03/21/2024	12:07	LB129987
	Thallium	40.0	+/-40.0	U	40.0	P	03/21/2024	12:07	LB129987
	Vanadium	40.0	+/-40.0	U	40.0	P	03/21/2024	12:07	LB129987
	Zinc	40.0	+/-40.0	U	40.0	P	03/21/2024	12:07	LB129987



Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.SDG No.: P1747Contract: LIRO01Lab Code: CHEMCase No.: P1747SAS No.: P1747

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	03/21/2024	12:38	LB129987
	Antimony	50.0	+/-50.0	U	50.0	P	03/21/2024	12:38	LB129987
	Arsenic	20.0	+/-20.0	U	20.0	P	03/21/2024	12:38	LB129987
	Barium	100	+/-100	U	100	P	03/21/2024	12:38	LB129987
	Beryllium	6.00	+/-6.00	U	6.00	P	03/21/2024	12:38	LB129987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/21/2024	12:38	LB129987
	Calcium	2000	+/-2000	U	2000	P	03/21/2024	12:38	LB129987
	Chromium	10.0	+/-10.0	U	10.0	P	03/21/2024	12:38	LB129987
	Cobalt	30.0	+/-30.0	U	30.0	P	03/21/2024	12:38	LB129987
	Copper	20.0	+/-20.0	U	20.0	P	03/21/2024	12:38	LB129987
	Iron	100	+/-100	U	100	P	03/21/2024	12:38	LB129987
	Lead	12.0	+/-12.0	U	12.0	P	03/21/2024	12:38	LB129987
	Magnesium	2000	+/-2000	U	2000	P	03/21/2024	12:38	LB129987
	Manganese	20.0	+/-20.0	U	20.0	P	03/21/2024	12:38	LB129987
	Nickel	40.0	+/-40.0	U	40.0	P	03/21/2024	12:38	LB129987
	Potassium	2000	+/-2000	U	2000	P	03/21/2024	12:38	LB129987
	Selenium	20.0	+/-20.0	U	20.0	P	03/21/2024	12:38	LB129987
	Silver	10.0	+/-10.0	U	10.0	P	03/21/2024	12:38	LB129987
	Sodium	2000	+/-2000	U	2000	P	03/21/2024	12:38	LB129987
	Thallium	40.0	+/-40.0	U	40.0	P	03/21/2024	12:38	LB129987
	Vanadium	40.0	+/-40.0	U	40.0	P	03/21/2024	12:38	LB129987
	Zinc	40.0	+/-40.0	U	40.0	P	03/21/2024	12:38	LB129987
CCB02	Aluminum	100	+/-100	U	100	P	03/21/2024	13:39	LB129987
	Antimony	50.0	+/-50.0	U	50.0	P	03/21/2024	13:39	LB129987
	Arsenic	20.0	+/-20.0	U	20.0	P	03/21/2024	13:39	LB129987
	Barium	100	+/-100	U	100	P	03/21/2024	13:39	LB129987
	Beryllium	6.00	+/-6.00	U	6.00	P	03/21/2024	13:39	LB129987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/21/2024	13:39	LB129987
	Calcium	2000	+/-2000	U	2000	P	03/21/2024	13:39	LB129987
	Chromium	10.0	+/-10.0	U	10.0	P	03/21/2024	13:39	LB129987
	Cobalt	30.0	+/-30.0	U	30.0	P	03/21/2024	13:39	LB129987
	Copper	20.0	+/-20.0	U	20.0	P	03/21/2024	13:39	LB129987
	Iron	100	+/-100	U	100	P	03/21/2024	13:39	LB129987
	Lead	12.0	+/-12.0	U	12.0	P	03/21/2024	13:39	LB129987
	Magnesium	2000	+/-2000	U	2000	P	03/21/2024	13:39	LB129987
	Manganese	20.0	+/-20.0	U	20.0	P	03/21/2024	13:39	LB129987
	Nickel	40.0	+/-40.0	U	40.0	P	03/21/2024	13:39	LB129987
	Potassium	2000	+/-2000	U	2000	P	03/21/2024	13:39	LB129987
	Selenium	20.0	+/-20.0	U	20.0	P	03/21/2024	13:39	LB129987
	Silver	10.0	+/-10.0	U	10.0	P	03/21/2024	13:39	LB129987



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.

SDG No.: P1747

Contract: LIRO01

Lab Code: CHEM

Case No.: P1747

SAS No.: P1747

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	03/21/2024	13:39	LB129987
	Thallium	40.0	+/-40.0	U	40.0	P	03/21/2024	13:39	LB129987
	Vanadium	40.0	+/-40.0	U	40.0	P	03/21/2024	13:39	LB129987
	Zinc	40.0	+/-40.0	U	40.0	P	03/21/2024	13:39	LB129987
CCB03	Aluminum	100	+/-100	U	100	P	03/21/2024	14:31	LB129987
	Antimony	50.0	+/-50.0	U	50.0	P	03/21/2024	14:31	LB129987
	Arsenic	20.0	+/-20.0	U	20.0	P	03/21/2024	14:31	LB129987
	Barium	100	+/-100	U	100	P	03/21/2024	14:31	LB129987
	Beryllium	6.00	+/-6.00	U	6.00	P	03/21/2024	14:31	LB129987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/21/2024	14:31	LB129987
	Calcium	2000	+/-2000	U	2000	P	03/21/2024	14:31	LB129987
	Chromium	10.0	+/-10.0	U	10.0	P	03/21/2024	14:31	LB129987
	Cobalt	30.0	+/-30.0	U	30.0	P	03/21/2024	14:31	LB129987
	Copper	20.0	+/-20.0	U	20.0	P	03/21/2024	14:31	LB129987
	Iron	100	+/-100	U	100	P	03/21/2024	14:31	LB129987
	Lead	12.0	+/-12.0	U	12.0	P	03/21/2024	14:31	LB129987
	Magnesium	2000	+/-2000	U	2000	P	03/21/2024	14:31	LB129987
	Manganese	20.0	+/-20.0	U	20.0	P	03/21/2024	14:31	LB129987
	Nickel	40.0	+/-40.0	U	40.0	P	03/21/2024	14:31	LB129987
	Potassium	2000	+/-2000	U	2000	P	03/21/2024	14:31	LB129987
	Selenium	20.0	+/-20.0	U	20.0	P	03/21/2024	14:31	LB129987
	Silver	10.0	+/-10.0	U	10.0	P	03/21/2024	14:31	LB129987
	Sodium	2000	+/-2000	U	2000	P	03/21/2024	14:31	LB129987
	Thallium	40.0	+/-40.0	U	40.0	P	03/21/2024	14:31	LB129987
CCB04	Vanadium	40.0	+/-40.0	U	40.0	P	03/21/2024	14:31	LB129987
	Zinc	40.0	+/-40.0	U	40.0	P	03/21/2024	14:31	LB129987
	Aluminum	100	+/-100	U	100	P	03/21/2024	15:28	LB129987
	Antimony	50.0	+/-50.0	U	50.0	P	03/21/2024	15:28	LB129987
	Arsenic	20.0	+/-20.0	U	20.0	P	03/21/2024	15:28	LB129987
	Barium	100	+/-100	U	100	P	03/21/2024	15:28	LB129987
	Beryllium	6.00	+/-6.00	U	6.00	P	03/21/2024	15:28	LB129987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/21/2024	15:28	LB129987
	Calcium	2000	+/-2000	U	2000	P	03/21/2024	15:28	LB129987
	Chromium	10.0	+/-10.0	U	10.0	P	03/21/2024	15:28	LB129987
	Cobalt	30.0	+/-30.0	U	30.0	P	03/21/2024	15:28	LB129987
	Copper	20.0	+/-20.0	U	20.0	P	03/21/2024	15:28	LB129987
	Iron	100	+/-100	U	100	P	03/21/2024	15:28	LB129987
	Lead	12.0	+/-12.0	U	12.0	P	03/21/2024	15:28	LB129987
	Magnesium	2000	+/-2000	U	2000	P	03/21/2024	15:28	LB129987
	Manganese	20.0	+/-20.0	U	20.0	P	03/21/2024	15:28	LB129987



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.

SDG No.: P1747

Contract: LIRO01

Lab Code: CHEM

Case No.: P1747

SAS No.: P1747

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	03/21/2024	15:28	LB129987
	Potassium	2000	+/-2000	U	2000	P	03/21/2024	15:28	LB129987
	Selenium	20.0	+/-20.0	U	20.0	P	03/21/2024	15:28	LB129987
	Silver	10.0	+/-10.0	U	10.0	P	03/21/2024	15:28	LB129987
	Sodium	2000	+/-2000	U	2000	P	03/21/2024	15:28	LB129987
	Thallium	40.0	+/-40.0	U	40.0	P	03/21/2024	15:28	LB129987
	Vanadium	40.0	+/-40.0	U	40.0	P	03/21/2024	15:28	LB129987
	Zinc	40.0	+/-40.0	U	40.0	P	03/21/2024	15:28	LB129987
CCB05	Aluminum	100	+/-100	U	100	P	03/21/2024	16:33	LB129987
	Antimony	50.0	+/-50.0	U	50.0	P	03/21/2024	16:33	LB129987
	Arsenic	20.0	+/-20.0	U	20.0	P	03/21/2024	16:33	LB129987
	Barium	100	+/-100	U	100	P	03/21/2024	16:33	LB129987
	Beryllium	6.00	+/-6.00	U	6.00	P	03/21/2024	16:33	LB129987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/21/2024	16:33	LB129987
	Calcium	2000	+/-2000	U	2000	P	03/21/2024	16:33	LB129987
	Chromium	10.0	+/-10.0	U	10.0	P	03/21/2024	16:33	LB129987
	Cobalt	30.0	+/-30.0	U	30.0	P	03/21/2024	16:33	LB129987
	Copper	20.0	+/-20.0	U	20.0	P	03/21/2024	16:33	LB129987
	Iron	100	+/-100	U	100	P	03/21/2024	16:33	LB129987
	Lead	12.0	+/-12.0	U	12.0	P	03/21/2024	16:33	LB129987
	Magnesium	2000	+/-2000	U	2000	P	03/21/2024	16:33	LB129987
	Manganese	20.0	+/-20.0	U	20.0	P	03/21/2024	16:33	LB129987
	Nickel	40.0	+/-40.0	U	40.0	P	03/21/2024	16:33	LB129987
	Potassium	2000	+/-2000	U	2000	P	03/21/2024	16:33	LB129987
	Selenium	20.0	+/-20.0	U	20.0	P	03/21/2024	16:33	LB129987
	Silver	10.0	+/-10.0	U	10.0	P	03/21/2024	16:33	LB129987
	Sodium	2000	+/-2000	U	2000	P	03/21/2024	16:33	LB129987
	Thallium	40.0	+/-40.0	U	40.0	P	03/21/2024	16:33	LB129987
	Vanadium	40.0	+/-40.0	U	40.0	P	03/21/2024	16:33	LB129987
	Zinc	40.0	+/-40.0	U	40.0	P	03/21/2024	16:33	LB129987
CCB06	Aluminum	100	+/-100	U	100	P	03/21/2024	17:57	LB129987
	Antimony	50.0	+/-50.0	U	50.0	P	03/21/2024	17:57	LB129987
	Arsenic	20.0	+/-20.0	U	20.0	P	03/21/2024	17:57	LB129987
	Barium	100	+/-100	U	100	P	03/21/2024	17:57	LB129987
	Beryllium	6.00	+/-6.00	U	6.00	P	03/21/2024	17:57	LB129987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/21/2024	17:57	LB129987
	Calcium	2000	+/-2000	U	2000	P	03/21/2024	17:57	LB129987
	Chromium	10.0	+/-10.0	U	10.0	P	03/21/2024	17:57	LB129987
	Cobalt	30.0	+/-30.0	U	30.0	P	03/21/2024	17:57	LB129987
	Copper	20.0	+/-20.0	U	20.0	P	03/21/2024	17:57	LB129987



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.

SDG No.: P1747

Contract: LIRO01

Lab Code: CHEM

Case No.: P1747

SAS No.: P1747

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Iron	100	+/-100	U	100	P	03/21/2024	17:57	LB129987
	Lead	12.0	+/-12.0	U	12.0	P	03/21/2024	17:57	LB129987
	Magnesium	2000	+/-2000	U	2000	P	03/21/2024	17:57	LB129987
	Manganese	20.0	+/-20.0	U	20.0	P	03/21/2024	17:57	LB129987
	Nickel	40.0	+/-40.0	U	40.0	P	03/21/2024	17:57	LB129987
	Potassium	2000	+/-2000	U	2000	P	03/21/2024	17:57	LB129987
	Selenium	20.0	+/-20.0	U	20.0	P	03/21/2024	17:57	LB129987
	Silver	10.0	+/-10.0	U	10.0	P	03/21/2024	17:57	LB129987
	Sodium	2000	+/-2000	U	2000	P	03/21/2024	17:57	LB129987
	Thallium	40.0	+/-40.0	U	40.0	P	03/21/2024	17:57	LB129987
	Vanadium	40.0	+/-40.0	U	40.0	P	03/21/2024	17:57	LB129987
	Zinc	40.0	+/-40.0	U	40.0	P	03/21/2024	17:57	LB129987
CCB07	Aluminum	100	+/-100	U	100	P	03/21/2024	19:01	LB129987
	Antimony	50.0	+/-50.0	U	50.0	P	03/21/2024	19:01	LB129987
	Arsenic	20.0	+/-20.0	U	20.0	P	03/21/2024	19:01	LB129987
	Barium	100	+/-100	U	100	P	03/21/2024	19:01	LB129987
	Beryllium	6.00	+/-6.00	U	6.00	P	03/21/2024	19:01	LB129987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/21/2024	19:01	LB129987
	Calcium	2000	+/-2000	U	2000	P	03/21/2024	19:01	LB129987
	Chromium	10.0	+/-10.0	U	10.0	P	03/21/2024	19:01	LB129987
	Cobalt	30.0	+/-30.0	U	30.0	P	03/21/2024	19:01	LB129987
	Copper	20.0	+/-20.0	U	20.0	P	03/21/2024	19:01	LB129987
	Iron	100	+/-100	U	100	P	03/21/2024	19:01	LB129987
	Lead	12.0	+/-12.0	U	12.0	P	03/21/2024	19:01	LB129987
	Magnesium	2000	+/-2000	U	2000	P	03/21/2024	19:01	LB129987
	Manganese	20.0	+/-20.0	U	20.0	P	03/21/2024	19:01	LB129987
	Nickel	40.0	+/-40.0	U	40.0	P	03/21/2024	19:01	LB129987
	Potassium	2000	+/-2000	U	2000	P	03/21/2024	19:01	LB129987
	Selenium	20.0	+/-20.0	U	20.0	P	03/21/2024	19:01	LB129987
	Silver	10.0	+/-10.0	U	10.0	P	03/21/2024	19:01	LB129987
	Sodium	2000	+/-2000	U	2000	P	03/21/2024	19:01	LB129987
	Thallium	40.0	+/-40.0	U	40.0	P	03/21/2024	19:01	LB129987
	Vanadium	40.0	+/-40.0	U	40.0	P	03/21/2024	19:01	LB129987
	Zinc	40.0	+/-40.0	U	40.0	P	03/21/2024	19:01	LB129987
CCB08	Aluminum	100	+/-100	U	100	P	03/21/2024	20:07	LB129987
	Antimony	50.0	+/-50.0	U	50.0	P	03/21/2024	20:07	LB129987
	Arsenic	20.0	+/-20.0	U	20.0	P	03/21/2024	20:07	LB129987
	Barium	100	+/-100	U	100	P	03/21/2024	20:07	LB129987
	Beryllium	6.00	+/-6.00	U	6.00	P	03/21/2024	20:07	LB129987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/21/2024	20:07	LB129987



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.SDG No.: P1747Contract: LIRO01Lab Code: CHEMCase No.: P1747SAS No.: P1747

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Calcium	2000	+/-2000	U	2000	P	03/21/2024	20:07	LB129987
	Chromium	10.0	+/-10.0	U	10.0	P	03/21/2024	20:07	LB129987
	Cobalt	30.0	+/-30.0	U	30.0	P	03/21/2024	20:07	LB129987
	Copper	20.0	+/-20.0	U	20.0	P	03/21/2024	20:07	LB129987
	Iron	100	+/-100	U	100	P	03/21/2024	20:07	LB129987
	Lead	12.0	+/-12.0	U	12.0	P	03/21/2024	20:07	LB129987
	Magnesium	2000	+/-2000	U	2000	P	03/21/2024	20:07	LB129987
	Manganese	20.0	+/-20.0	U	20.0	P	03/21/2024	20:07	LB129987
	Nickel	40.0	+/-40.0	U	40.0	P	03/21/2024	20:07	LB129987
	Potassium	2000	+/-2000	U	2000	P	03/21/2024	20:07	LB129987
	Selenium	20.0	+/-20.0	U	20.0	P	03/21/2024	20:07	LB129987
	Silver	10.0	+/-10.0	U	10.0	P	03/21/2024	20:07	LB129987
	Sodium	2000	+/-2000	U	2000	P	03/21/2024	20:07	LB129987
	Thallium	40.0	+/-40.0	U	40.0	P	03/21/2024	20:07	LB129987
	Vanadium	40.0	+/-40.0	U	40.0	P	03/21/2024	20:07	LB129987
	Zinc	40.0	+/-40.0	U	40.0	P	03/21/2024	20:07	LB129987
CCB09	Aluminum	100	+/-100	U	100	P	03/21/2024	21:08	LB129987
	Antimony	50.0	+/-50.0	U	50.0	P	03/21/2024	21:08	LB129987
	Arsenic	20.0	+/-20.0	U	20.0	P	03/21/2024	21:08	LB129987
	Barium	100	+/-100	U	100	P	03/21/2024	21:08	LB129987
	Beryllium	6.00	+/-6.00	U	6.00	P	03/21/2024	21:08	LB129987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/21/2024	21:08	LB129987
	Calcium	2000	+/-2000	U	2000	P	03/21/2024	21:08	LB129987
	Chromium	10.0	+/-10.0	U	10.0	P	03/21/2024	21:08	LB129987
	Cobalt	30.0	+/-30.0	U	30.0	P	03/21/2024	21:08	LB129987
	Copper	20.0	+/-20.0	U	20.0	P	03/21/2024	21:08	LB129987
	Iron	100	+/-100	U	100	P	03/21/2024	21:08	LB129987
	Lead	12.0	+/-12.0	U	12.0	P	03/21/2024	21:08	LB129987
	Magnesium	2000	+/-2000	U	2000	P	03/21/2024	21:08	LB129987
	Manganese	20.0	+/-20.0	U	20.0	P	03/21/2024	21:08	LB129987
	Nickel	40.0	+/-40.0	U	40.0	P	03/21/2024	21:08	LB129987
	Potassium	2000	+/-2000	U	2000	P	03/21/2024	21:08	LB129987
	Selenium	20.0	+/-20.0	U	20.0	P	03/21/2024	21:08	LB129987
	Silver	10.0	+/-10.0	U	10.0	P	03/21/2024	21:08	LB129987
	Sodium	2000	+/-2000	U	2000	P	03/21/2024	21:08	LB129987
	Thallium	40.0	+/-40.0	U	40.0	P	03/21/2024	21:08	LB129987
	Vanadium	40.0	+/-40.0	U	40.0	P	03/21/2024	21:08	LB129987
	Zinc	40.0	+/-40.0	U	40.0	P	03/21/2024	21:08	LB129987
CCB10	Aluminum	100	+/-100	U	100	P	03/21/2024	22:02	LB129987
	Antimony	50.0	+/-50.0	U	50.0	P	03/21/2024	22:02	LB129987



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.

SDG No.: P1747

Contract: LIRO01

Lab Code: CHEM

Case No.: P1747

SAS No.: P1747

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB10	Arsenic	20.0	+/-20.0	U	20.0	P	03/21/2024	22:02	LB129987
	Barium	100	+/-100	U	100	P	03/21/2024	22:02	LB129987
	Beryllium	6.00	+/-6.00	U	6.00	P	03/21/2024	22:02	LB129987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/21/2024	22:02	LB129987
	Calcium	2000	+/-2000	U	2000	P	03/21/2024	22:02	LB129987
	Chromium	10.0	+/-10.0	U	10.0	P	03/21/2024	22:02	LB129987
	Cobalt	30.0	+/-30.0	U	30.0	P	03/21/2024	22:02	LB129987
	Copper	20.0	+/-20.0	U	20.0	P	03/21/2024	22:02	LB129987
	Iron	100	+/-100	U	100	P	03/21/2024	22:02	LB129987
	Lead	12.0	+/-12.0	U	12.0	P	03/21/2024	22:02	LB129987
	Magnesium	2000	+/-2000	U	2000	P	03/21/2024	22:02	LB129987
	Manganese	20.0	+/-20.0	U	20.0	P	03/21/2024	22:02	LB129987
	Nickel	40.0	+/-40.0	U	40.0	P	03/21/2024	22:02	LB129987
	Potassium	2000	+/-2000	U	2000	P	03/21/2024	22:02	LB129987
	Selenium	20.0	+/-20.0	U	20.0	P	03/21/2024	22:02	LB129987
	Silver	10.0	+/-10.0	U	10.0	P	03/21/2024	22:02	LB129987
	Sodium	2000	+/-2000	U	2000	P	03/21/2024	22:02	LB129987
	Thallium	40.0	+/-40.0	U	40.0	P	03/21/2024	22:02	LB129987
	Vanadium	40.0	+/-40.0	U	40.0	P	03/21/2024	22:02	LB129987
	Zinc	40.0	+/-40.0	U	40.0	P	03/21/2024	22:02	LB129987
CCB11	Aluminum	100	+/-100	U	100	P	03/21/2024	22:55	LB129987
	Antimony	50.0	+/-50.0	U	50.0	P	03/21/2024	22:55	LB129987
	Arsenic	20.0	+/-20.0	U	20.0	P	03/21/2024	22:55	LB129987
	Barium	100	+/-100	U	100	P	03/21/2024	22:55	LB129987
	Beryllium	6.00	+/-6.00	U	6.00	P	03/21/2024	22:55	LB129987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/21/2024	22:55	LB129987
	Calcium	2000	+/-2000	U	2000	P	03/21/2024	22:55	LB129987
	Chromium	10.0	+/-10.0	U	10.0	P	03/21/2024	22:55	LB129987
	Cobalt	30.0	+/-30.0	U	30.0	P	03/21/2024	22:55	LB129987
	Copper	20.0	+/-20.0	U	20.0	P	03/21/2024	22:55	LB129987
	Iron	100	+/-100	U	100	P	03/21/2024	22:55	LB129987
	Lead	12.0	+/-12.0	U	12.0	P	03/21/2024	22:55	LB129987
	Magnesium	2000	+/-2000	U	2000	P	03/21/2024	22:55	LB129987
	Manganese	20.0	+/-20.0	U	20.0	P	03/21/2024	22:55	LB129987
	Nickel	40.0	+/-40.0	U	40.0	P	03/21/2024	22:55	LB129987
	Potassium	2000	+/-2000	U	2000	P	03/21/2024	22:55	LB129987
	Selenium	20.0	+/-20.0	U	20.0	P	03/21/2024	22:55	LB129987
	Silver	10.0	+/-10.0	U	10.0	P	03/21/2024	22:55	LB129987
	Sodium	2000	+/-2000	U	2000	P	03/21/2024	22:55	LB129987
	Thallium	40.0	+/-40.0	U	40.0	P	03/21/2024	22:55	LB129987



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.

SDG No.: P1747

Contract: LIRO01

Lab Code: CHEM

Case No.: P1747

SAS No.: P1747

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB11	Vanadium	40.0	+/-40.0	U	40.0	P	03/21/2024	22:55	LB129987
	Zinc	40.0	+/-40.0	U	40.0	P	03/21/2024	22:55	LB129987
CCB12	Aluminum	100	+/-100	U	100	P	03/21/2024	23:51	LB129987
	Antimony	50.0	+/-50.0	U	50.0	P	03/21/2024	23:51	LB129987
	Arsenic	20.0	+/-20.0	U	20.0	P	03/21/2024	23:51	LB129987
	Barium	100	+/-100	U	100	P	03/21/2024	23:51	LB129987
	Beryllium	6.00	+/-6.00	U	6.00	P	03/21/2024	23:51	LB129987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/21/2024	23:51	LB129987
	Calcium	2000	+/-2000	U	2000	P	03/21/2024	23:51	LB129987
	Chromium	10.0	+/-10.0	U	10.0	P	03/21/2024	23:51	LB129987
	Cobalt	30.0	+/-30.0	U	30.0	P	03/21/2024	23:51	LB129987
	Copper	20.0	+/-20.0	U	20.0	P	03/21/2024	23:51	LB129987
	Iron	100	+/-100	U	100	P	03/21/2024	23:51	LB129987
	Lead	12.0	+/-12.0	U	12.0	P	03/21/2024	23:51	LB129987
	Magnesium	2000	+/-2000	U	2000	P	03/21/2024	23:51	LB129987
	Manganese	20.0	+/-20.0	U	20.0	P	03/21/2024	23:51	LB129987
	Nickel	40.0	+/-40.0	U	40.0	P	03/21/2024	23:51	LB129987
	Potassium	2000	+/-2000	U	2000	P	03/21/2024	23:51	LB129987
	Selenium	20.0	+/-20.0	U	20.0	P	03/21/2024	23:51	LB129987
	Silver	10.0	+/-10.0	U	10.0	P	03/21/2024	23:51	LB129987
	Sodium	2000	+/-2000	U	2000	P	03/21/2024	23:51	LB129987
	Thallium	40.0	+/-40.0	U	40.0	P	03/21/2024	23:51	LB129987
	Vanadium	40.0	+/-40.0	U	40.0	P	03/21/2024	23:51	LB129987
	Zinc	40.0	+/-40.0	U	40.0	P	03/21/2024	23:51	LB129987
CCB13	Aluminum	100	+/-100	U	100	P	03/22/2024	00:41	LB129987
	Antimony	50.0	+/-50.0	U	50.0	P	03/22/2024	00:41	LB129987
	Arsenic	20.0	+/-20.0	U	20.0	P	03/22/2024	00:41	LB129987
	Barium	100	+/-100	U	100	P	03/22/2024	00:41	LB129987
	Beryllium	6.00	+/-6.00	U	6.00	P	03/22/2024	00:41	LB129987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/22/2024	00:41	LB129987
	Calcium	2000	+/-2000	U	2000	P	03/22/2024	00:41	LB129987
	Chromium	10.0	+/-10.0	U	10.0	P	03/22/2024	00:41	LB129987
	Cobalt	30.0	+/-30.0	U	30.0	P	03/22/2024	00:41	LB129987
	Copper	20.0	+/-20.0	U	20.0	P	03/22/2024	00:41	LB129987
	Iron	100	+/-100	U	100	P	03/22/2024	00:41	LB129987
	Lead	12.0	+/-12.0	U	12.0	P	03/22/2024	00:41	LB129987
	Magnesium	2000	+/-2000	U	2000	P	03/22/2024	00:41	LB129987
	Manganese	20.0	+/-20.0	U	20.0	P	03/22/2024	00:41	LB129987
	Nickel	40.0	+/-40.0	U	40.0	P	03/22/2024	00:41	LB129987
	Potassium	2000	+/-2000	U	2000	P	03/22/2024	00:41	LB129987



Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.

SDG No.: P1747

Contract: LIRO01

Lab Code: CHEM

Case No.: P1747

SAS No.: P1747

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB13	Selenium	20.0	+/-20.0	U	20.0	P	03/22/2024	00:41	LB129987
	Silver	10.0	+/-10.0	U	10.0	P	03/22/2024	00:41	LB129987
	Sodium	2000	+/-2000	U	2000	P	03/22/2024	00:41	LB129987
	Thallium	40.0	+/-40.0	U	40.0	P	03/22/2024	00:41	LB129987
	Vanadium	40.0	+/-40.0	U	40.0	P	03/22/2024	00:41	LB129987
	Zinc	40.0	+/-40.0	U	40.0	P	03/22/2024	00:41	LB129987



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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.

SDG No.: P1747

Contract: LIRO01

Lab Code: CHEM

Case No.: P1747

SAS No.: P1747

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	03/26/2024	11:18	LB130043
	Antimony	50.0	+/-50.0	U	50.0	P	03/26/2024	11:18	LB130043
	Arsenic	20.0	+/-20.0	U	20.0	P	03/26/2024	11:18	LB130043
	Barium	100	+/-100	U	100	P	03/26/2024	11:18	LB130043
	Beryllium	6.00	+/-6.00	U	6.00	P	03/26/2024	11:18	LB130043
	Cadmium	6.00	+/-6.00	U	6.00	P	03/26/2024	11:18	LB130043
	Calcium	2000	+/-2000	U	2000	P	03/26/2024	11:18	LB130043
	Chromium	10.0	+/-10.0	U	10.0	P	03/26/2024	11:18	LB130043
	Cobalt	30.0	+/-30.0	U	30.0	P	03/26/2024	11:18	LB130043
	Copper	20.0	+/-20.0	U	20.0	P	03/26/2024	11:18	LB130043
	Iron	100	+/-100	U	100	P	03/26/2024	11:18	LB130043
	Lead	12.0	+/-12.0	U	12.0	P	03/26/2024	11:18	LB130043
	Magnesium	2000	+/-2000	U	2000	P	03/26/2024	11:18	LB130043
	Manganese	20.0	+/-20.0	U	20.0	P	03/26/2024	11:18	LB130043
	Nickel	40.0	+/-40.0	U	40.0	P	03/26/2024	11:18	LB130043
	Potassium	2000	+/-2000	U	2000	P	03/26/2024	11:18	LB130043
	Selenium	20.0	+/-20.0	U	20.0	P	03/26/2024	11:18	LB130043
	Silver	10.0	+/-10.0	U	10.0	P	03/26/2024	11:18	LB130043
	Sodium	2000	+/-2000	U	2000	P	03/26/2024	11:18	LB130043
	Thallium	40.0	+/-40.0	U	40.0	P	03/26/2024	11:18	LB130043
	Vanadium	40.0	+/-40.0	U	40.0	P	03/26/2024	11:18	LB130043
	Zinc	40.0	+/-40.0	U	40.0	P	03/26/2024	11:18	LB130043

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.

SDG No.: P1747

Contract: LIRO01

Lab Code: CHEM

Case No.: P1747

SAS No.: P1747

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	03/26/2024	13:30	LB130043
	Antimony	50.0	+/-50.0	U	50.0	P	03/26/2024	13:30	LB130043
	Arsenic	20.0	+/-20.0	U	20.0	P	03/26/2024	13:30	LB130043
	Barium	100	+/-100	U	100	P	03/26/2024	13:30	LB130043
	Beryllium	6.00	+/-6.00	U	6.00	P	03/26/2024	13:30	LB130043
	Cadmium	6.00	+/-6.00	U	6.00	P	03/26/2024	13:30	LB130043
	Calcium	2000	+/-2000	U	2000	P	03/26/2024	13:30	LB130043
	Chromium	10.0	+/-10.0	U	10.0	P	03/26/2024	13:30	LB130043
	Cobalt	30.0	+/-30.0	U	30.0	P	03/26/2024	13:30	LB130043
	Copper	20.0	+/-20.0	U	20.0	P	03/26/2024	13:30	LB130043
	Iron	100	+/-100	U	100	P	03/26/2024	13:30	LB130043
	Lead	12.0	+/-12.0	U	12.0	P	03/26/2024	13:30	LB130043
	Magnesium	2000	+/-2000	U	2000	P	03/26/2024	13:30	LB130043
	Manganese	20.0	+/-20.0	U	20.0	P	03/26/2024	13:30	LB130043
	Nickel	40.0	+/-40.0	U	40.0	P	03/26/2024	13:30	LB130043
	Potassium	2000	+/-2000	U	2000	P	03/26/2024	13:30	LB130043
	Selenium	20.0	+/-20.0	U	20.0	P	03/26/2024	13:30	LB130043
	Silver	10.0	+/-10.0	U	10.0	P	03/26/2024	13:30	LB130043
	Sodium	2000	+/-2000	U	2000	P	03/26/2024	13:30	LB130043
	Thallium	40.0	+/-40.0	U	40.0	P	03/26/2024	13:30	LB130043
	Vanadium	40.0	+/-40.0	U	40.0	P	03/26/2024	13:30	LB130043
	Zinc	40.0	+/-40.0	U	40.0	P	03/26/2024	13:30	LB130043
CCB02	Aluminum	100	+/-100	U	100	P	03/26/2024	15:26	LB130043
	Antimony	50.0	+/-50.0	U	50.0	P	03/26/2024	15:26	LB130043
	Arsenic	20.0	+/-20.0	U	20.0	P	03/26/2024	15:26	LB130043
	Barium	100	+/-100	U	100	P	03/26/2024	15:26	LB130043
	Beryllium	6.00	+/-6.00	U	6.00	P	03/26/2024	15:26	LB130043
	Cadmium	6.00	+/-6.00	U	6.00	P	03/26/2024	15:26	LB130043
	Calcium	2000	+/-2000	U	2000	P	03/26/2024	15:26	LB130043
	Chromium	10.0	+/-10.0	U	10.0	P	03/26/2024	15:26	LB130043
	Cobalt	30.0	+/-30.0	U	30.0	P	03/26/2024	15:26	LB130043
	Copper	20.0	+/-20.0	U	20.0	P	03/26/2024	15:26	LB130043
	Iron	100	+/-100	U	100	P	03/26/2024	15:26	LB130043
	Lead	12.0	+/-12.0	U	12.0	P	03/26/2024	15:26	LB130043
	Magnesium	2000	+/-2000	U	2000	P	03/26/2024	15:26	LB130043
	Manganese	20.0	+/-20.0	U	20.0	P	03/26/2024	15:26	LB130043
	Nickel	40.0	+/-40.0	U	40.0	P	03/26/2024	15:26	LB130043
	Potassium	2000	+/-2000	U	2000	P	03/26/2024	15:26	LB130043
	Selenium	20.0	+/-20.0	U	20.0	P	03/26/2024	15:26	LB130043
	Silver	10.0	+/-10.0	U	10.0	P	03/26/2024	15:26	LB130043



Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.SDG No.: P1747Contract: LIRO01Lab Code: CHEMCase No.: P1747SAS No.: P1747

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	03/26/2024	15:26	LB130043
	Thallium	40.0	+/-40.0	U	40.0	P	03/26/2024	15:26	LB130043
	Vanadium	40.0	+/-40.0	U	40.0	P	03/26/2024	15:26	LB130043
	Zinc	40.0	+/-40.0	U	40.0	P	03/26/2024	15:26	LB130043
CCB03	Aluminum	100	+/-100	U	100	P	03/26/2024	16:40	LB130043
	Antimony	50.0	+/-50.0	U	50.0	P	03/26/2024	16:40	LB130043
	Arsenic	20.0	+/-20.0	U	20.0	P	03/26/2024	16:40	LB130043
	Barium	100	+/-100	U	100	P	03/26/2024	16:40	LB130043
	Beryllium	6.00	+/-6.00	U	6.00	P	03/26/2024	16:40	LB130043
	Cadmium	6.00	+/-6.00	U	6.00	P	03/26/2024	16:40	LB130043
	Calcium	2000	+/-2000	U	2000	P	03/26/2024	16:40	LB130043
	Chromium	10.0	+/-10.0	U	10.0	P	03/26/2024	16:40	LB130043
	Cobalt	30.0	+/-30.0	U	30.0	P	03/26/2024	16:40	LB130043
	Copper	20.0	+/-20.0	U	20.0	P	03/26/2024	16:40	LB130043
	Iron	100	+/-100	U	100	P	03/26/2024	16:40	LB130043
	Lead	12.0	+/-12.0	U	12.0	P	03/26/2024	16:40	LB130043
	Magnesium	2000	+/-2000	U	2000	P	03/26/2024	16:40	LB130043
	Manganese	20.0	+/-20.0	U	20.0	P	03/26/2024	16:40	LB130043
	Nickel	40.0	+/-40.0	U	40.0	P	03/26/2024	16:40	LB130043
	Potassium	2000	+/-2000	U	2000	P	03/26/2024	16:40	LB130043
	Selenium	20.0	+/-20.0	U	20.0	P	03/26/2024	16:40	LB130043
	Silver	10.0	+/-10.0	U	10.0	P	03/26/2024	16:40	LB130043
	Sodium	2000	+/-2000	U	2000	P	03/26/2024	16:40	LB130043
	Thallium	40.0	+/-40.0	U	40.0	P	03/26/2024	16:40	LB130043
	Vanadium	40.0	+/-40.0	U	40.0	P	03/26/2024	16:40	LB130043
	Zinc	40.0	+/-40.0	U	40.0	P	03/26/2024	16:40	LB130043
CCB04	Aluminum	100	+/-100	U	100	P	03/26/2024	17:28	LB130043
	Antimony	50.0	+/-50.0	U	50.0	P	03/26/2024	17:28	LB130043
	Arsenic	20.0	+/-20.0	U	20.0	P	03/26/2024	17:28	LB130043
	Barium	100	+/-100	U	100	P	03/26/2024	17:28	LB130043
	Beryllium	6.00	+/-6.00	U	6.00	P	03/26/2024	17:28	LB130043
	Cadmium	6.00	+/-6.00	U	6.00	P	03/26/2024	17:28	LB130043
	Calcium	2000	+/-2000	U	2000	P	03/26/2024	17:28	LB130043
	Chromium	10.0	+/-10.0	U	10.0	P	03/26/2024	17:28	LB130043
	Cobalt	30.0	+/-30.0	U	30.0	P	03/26/2024	17:28	LB130043
	Copper	20.0	+/-20.0	U	20.0	P	03/26/2024	17:28	LB130043
	Iron	100	+/-100	U	100	P	03/26/2024	17:28	LB130043
	Lead	12.0	+/-12.0	U	12.0	P	03/26/2024	17:28	LB130043
	Magnesium	2000	+/-2000	U	2000	P	03/26/2024	17:28	LB130043
	Manganese	20.0	+/-20.0	U	20.0	P	03/26/2024	17:28	LB130043



Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.SDG No.: P1747Contract: LIRO01Lab Code: CHEMCase No.: P1747SAS No.: P1747

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	03/26/2024	17:28	LB130043
	Potassium	2000	+/-2000	U	2000	P	03/26/2024	17:28	LB130043
	Selenium	20.0	+/-20.0	U	20.0	P	03/26/2024	17:28	LB130043
	Silver	10.0	+/-10.0	U	10.0	P	03/26/2024	17:28	LB130043
	Sodium	2000	+/-2000	U	2000	P	03/26/2024	17:28	LB130043
	Thallium	40.0	+/-40.0	U	40.0	P	03/26/2024	17:28	LB130043
	Vanadium	40.0	+/-40.0	U	40.0	P	03/26/2024	17:28	LB130043
	Zinc	40.0	+/-40.0	U	40.0	P	03/26/2024	17:28	LB130043
CCB05	Aluminum	100	+/-100	U	100	P	03/26/2024	18:16	LB130043
	Antimony	50.0	+/-50.0	U	50.0	P	03/26/2024	18:16	LB130043
	Arsenic	20.0	+/-20.0	U	20.0	P	03/26/2024	18:16	LB130043
	Barium	100	+/-100	U	100	P	03/26/2024	18:16	LB130043
	Beryllium	6.00	+/-6.00	U	6.00	P	03/26/2024	18:16	LB130043
	Cadmium	6.00	+/-6.00	U	6.00	P	03/26/2024	18:16	LB130043
	Calcium	2000	+/-2000	U	2000	P	03/26/2024	18:16	LB130043
	Chromium	10.0	+/-10.0	U	10.0	P	03/26/2024	18:16	LB130043
	Cobalt	30.0	+/-30.0	U	30.0	P	03/26/2024	18:16	LB130043
	Copper	20.0	+/-20.0	U	20.0	P	03/26/2024	18:16	LB130043
	Iron	100	+/-100	U	100	P	03/26/2024	18:16	LB130043
	Lead	12.0	+/-12.0	U	12.0	P	03/26/2024	18:16	LB130043
	Magnesium	2000	+/-2000	U	2000	P	03/26/2024	18:16	LB130043
	Manganese	20.0	+/-20.0	U	20.0	P	03/26/2024	18:16	LB130043
	Nickel	40.0	+/-40.0	U	40.0	P	03/26/2024	18:16	LB130043
	Potassium	2000	+/-2000	U	2000	P	03/26/2024	18:16	LB130043
	Selenium	20.0	+/-20.0	U	20.0	P	03/26/2024	18:16	LB130043
	Silver	10.0	+/-10.0	U	10.0	P	03/26/2024	18:16	LB130043
	Sodium	2000	+/-2000	U	2000	P	03/26/2024	18:16	LB130043
	Thallium	40.0	+/-40.0	U	40.0	P	03/26/2024	18:16	LB130043
	Vanadium	40.0	+/-40.0	U	40.0	P	03/26/2024	18:16	LB130043
	Zinc	40.0	+/-40.0	U	40.0	P	03/26/2024	18:16	LB130043
CCB06	Aluminum	100	+/-100	U	100	P	03/26/2024	18:52	LB130043
	Antimony	50.0	+/-50.0	U	50.0	P	03/26/2024	18:52	LB130043
	Arsenic	20.0	+/-20.0	U	20.0	P	03/26/2024	18:52	LB130043
	Barium	100	+/-100	U	100	P	03/26/2024	18:52	LB130043
	Beryllium	6.00	+/-6.00	U	6.00	P	03/26/2024	18:52	LB130043
	Cadmium	6.00	+/-6.00	U	6.00	P	03/26/2024	18:52	LB130043
	Calcium	2000	+/-2000	U	2000	P	03/26/2024	18:52	LB130043
	Chromium	10.0	+/-10.0	U	10.0	P	03/26/2024	18:52	LB130043
	Cobalt	30.0	+/-30.0	U	30.0	P	03/26/2024	18:52	LB130043
	Copper	20.0	+/-20.0	U	20.0	P	03/26/2024	18:52	LB130043



Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.

SDG No.: P1747

Contract: LIRO01

Lab Code: CHEM

Case No.: P1747

SAS No.: P1747

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Iron	100	+/-100	U	100	P	03/26/2024	18:52	LB130043
	Lead	12.0	+/-12.0	U	12.0	P	03/26/2024	18:52	LB130043
	Magnesium	2000	+/-2000	U	2000	P	03/26/2024	18:52	LB130043
	Manganese	20.0	+/-20.0	U	20.0	P	03/26/2024	18:52	LB130043
	Nickel	40.0	+/-40.0	U	40.0	P	03/26/2024	18:52	LB130043
	Potassium	2000	+/-2000	U	2000	P	03/26/2024	18:52	LB130043
	Selenium	20.0	+/-20.0	U	20.0	P	03/26/2024	18:52	LB130043
	Silver	10.0	+/-10.0	U	10.0	P	03/26/2024	18:52	LB130043
	Sodium	2000	+/-2000	U	2000	P	03/26/2024	18:52	LB130043
	Thallium	40.0	+/-40.0	U	40.0	P	03/26/2024	18:52	LB130043
	Vanadium	40.0	+/-40.0	U	40.0	P	03/26/2024	18:52	LB130043
	Zinc	40.0	+/-40.0	U	40.0	P	03/26/2024	18:52	LB130043



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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LiRo Engineers, Inc.

SDG No.: P1747

Contract: LIRO01

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Case No.: P1747

SAS No.: P1747

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
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