

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P4103
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4103 **SAS No.:** P4103
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV37	Mercury	3.99	4.0	100	90 - 110	CV	09/20/2024	14:28	LB132531

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P4103
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4103 **SAS No.:** P4103
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Mercury	4.98	5.0	100	90 - 110	CV	09/20/2024	14:32	LB132531
CCV02	Mercury	4.97	5.0	99	90 - 110	CV	09/20/2024	15:03	LB132531
CCV03	Mercury	5.16	5.0	103	90 - 110	CV	09/20/2024	15:34	LB132531
CCV04	Mercury	5.37	5.0	107	90 - 110	CV	09/20/2024	16:01	LB132531
CCV05	Mercury	5.40	5.0	108	90 - 110	CV	09/20/2024	16:28	LB132531
CCV06	Mercury	5.20	5.0	104	90 - 110	CV	09/20/2024	16:46	LB132531
CCV07	Mercury	5.31	5.0	106	90 - 110	CV	09/20/2024	17:02	LB132531

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P4103
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4103 **SAS No.:** P4103
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2470	2500	99	90 - 110	P	09/23/2024	12:49	LB132557
	Antimony	1000	1000	100	90 - 110	P	09/23/2024	12:49	LB132557
	Arsenic	950	1000	95	90 - 110	P	09/23/2024	12:49	LB132557
	Barium	503	520	97	90 - 110	P	09/23/2024	12:49	LB132557
	Beryllium	521	510	102	90 - 110	P	09/23/2024	12:49	LB132557
	Boron	2600	2500	104	90 - 110	P	09/23/2024	12:49	LB132557
	Cadmium	522	510	102	90 - 110	P	09/23/2024	12:49	LB132557
	Calcium	10300	10000	103	90 - 110	P	09/23/2024	12:49	LB132557
	Chromium	531	520	102	90 - 110	P	09/23/2024	12:49	LB132557
	Cobalt	521	520	100	90 - 110	P	09/23/2024	12:49	LB132557
	Copper	532	510	104	90 - 110	P	09/23/2024	12:49	LB132557
	Iron	10400	10000	104	90 - 110	P	09/23/2024	12:49	LB132557
	Lead	967	1000	97	90 - 110	P	09/23/2024	12:49	LB132557
	Magnesium	5730	6000	96	90 - 110	P	09/23/2024	12:49	LB132557
	Manganese	514	520	99	90 - 110	P	09/23/2024	12:49	LB132557
	Nickel	522	530	98	90 - 110	P	09/23/2024	12:49	LB132557
	Potassium	10100	9900	102	90 - 110	P	09/23/2024	12:49	LB132557
	Selenium	968	1000	97	90 - 110	P	09/23/2024	12:49	LB132557
	Silver	271	250	108	90 - 110	P	09/23/2024	12:49	LB132557
	Sodium	9750	10000	98	90 - 110	P	09/23/2024	12:49	LB132557
	Thallium	1020	1000	102	90 - 110	P	09/23/2024	12:49	LB132557
	Tin	2600	2500	104	90 - 110	P	09/23/2024	12:49	LB132557
	Vanadium	477	500	95	90 - 110	P	09/23/2024	12:49	LB132557
	Zinc	1050	1000	105	90 - 110	P	09/23/2024	12:49	LB132557

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P4103
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4103 **SAS No.:** P4103
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	98.9	100	99	80 - 120	P	09/23/2024	12:58	LB132557
	Antimony	48.1	50.0	96	80 - 120	P	09/23/2024	12:58	LB132557
	Arsenic	17.6	20.0	88	80 - 120	P	09/23/2024	12:58	LB132557
	Barium	94.2	100	94	80 - 120	P	09/23/2024	12:58	LB132557
	Beryllium	6.11	6.0	102	80 - 120	P	09/23/2024	12:58	LB132557
	Boron	96.4	100	96	80 - 120	P	09/23/2024	12:58	LB132557
	Cadmium	5.81	6.0	97	80 - 120	P	09/23/2024	12:58	LB132557
	Calcium	1910	2000	96	80 - 120	P	09/23/2024	12:58	LB132557
	Chromium	8.78	10.0	88	80 - 120	P	09/23/2024	12:58	LB132557
	Cobalt	29.0	30.0	97	80 - 120	P	09/23/2024	12:58	LB132557
	Copper	21.7	20.0	108	80 - 120	P	09/23/2024	12:58	LB132557
	Iron	101	100	101	80 - 120	P	09/23/2024	12:58	LB132557
	Lead	12.9	12.0	108	80 - 120	P	09/23/2024	12:58	LB132557
	Magnesium	2000	2000	100	80 - 120	P	09/23/2024	12:58	LB132557
	Manganese	18.9	20.0	95	80 - 120	P	09/23/2024	12:58	LB132557
	Nickel	38.7	40.0	97	80 - 120	P	09/23/2024	12:58	LB132557
	Potassium	1760	2000	88	80 - 120	P	09/23/2024	12:58	LB132557
	Selenium	17.6	20.0	88	80 - 120	P	09/23/2024	12:58	LB132557
	Silver	10.8	10.0	108	80 - 120	P	09/23/2024	12:58	LB132557
	Sodium	1710	2000	85	80 - 120	P	09/23/2024	12:58	LB132557
	Thallium	35.3	40.0	88	80 - 120	P	09/23/2024	12:58	LB132557
	Tin	43.1	40.0	108	80 - 120	P	09/23/2024	12:58	LB132557
	Vanadium	36.8	40.0	92	80 - 120	P	09/23/2024	12:58	LB132557
	Zinc	36.3	40.0	91	80 - 120	P	09/23/2024	12:58	LB132557

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P4103
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4103 **SAS No.:** P4103
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9240	10000	92	90 - 110	P	09/23/2024	13:38	LB132557
	Antimony	4670	5000	93	90 - 110	P	09/23/2024	13:38	LB132557
	Arsenic	4510	5000	90	90 - 110	P	09/23/2024	13:38	LB132557
	Barium	9340	10000	93	90 - 110	P	09/23/2024	13:38	LB132557
	Beryllium	249	250	100	90 - 110	P	09/23/2024	13:38	LB132557
	Boron	4880	5000	98	90 - 110	P	09/23/2024	13:38	LB132557
	Cadmium	2600	2500	104	90 - 110	P	09/23/2024	13:38	LB132557
	Calcium	24300	25000	97	90 - 110	P	09/23/2024	13:38	LB132557
	Chromium	913	1000	91	90 - 110	P	09/23/2024	13:38	LB132557
	Cobalt	2280	2500	91	90 - 110	P	09/23/2024	13:38	LB132557
	Copper	1280	1250	102	90 - 110	P	09/23/2024	13:38	LB132557
	Iron	4700	5000	94	90 - 110	P	09/23/2024	13:38	LB132557
	Lead	5140	5000	103	90 - 110	P	09/23/2024	13:38	LB132557
	Magnesium	22800	25000	91	90 - 110	P	09/23/2024	13:38	LB132557
	Manganese	2360	2500	94	90 - 110	P	09/23/2024	13:38	LB132557
	Nickel	2470	2500	99	90 - 110	P	09/23/2024	13:38	LB132557
	Potassium	23500	25000	94	90 - 110	P	09/23/2024	13:38	LB132557
	Selenium	4540	5000	91	90 - 110	P	09/23/2024	13:38	LB132557
	Silver	1210	1250	97	90 - 110	P	09/23/2024	13:38	LB132557
	Sodium	22600	25000	90	90 - 110	P	09/23/2024	13:38	LB132557
	Thallium	4880	5000	98	90 - 110	P	09/23/2024	13:38	LB132557
	Tin	4520	5000	90	90 - 110	P	09/23/2024	13:38	LB132557
	Vanadium	2290	2500	92	90 - 110	P	09/23/2024	13:38	LB132557
	Zinc	2470	2500	99	90 - 110	P	09/23/2024	13:38	LB132557
CCV02	Aluminum	9580	10000	96	90 - 110	P	09/23/2024	13:51	LB132557
	Antimony	4890	5000	98	90 - 110	P	09/23/2024	13:51	LB132557
	Arsenic	4760	5000	95	90 - 110	P	09/23/2024	13:51	LB132557
	Barium	9580	10000	96	90 - 110	P	09/23/2024	13:51	LB132557
	Beryllium	257	250	103	90 - 110	P	09/23/2024	13:51	LB132557
	Boron	5050	5000	101	90 - 110	P	09/23/2024	13:51	LB132557
	Cadmium	2340	2500	94	90 - 110	P	09/23/2024	13:51	LB132557
	Calcium	24900	25000	100	90 - 110	P	09/23/2024	13:51	LB132557
	Chromium	944	1000	94	90 - 110	P	09/23/2024	13:51	LB132557
	Cobalt	2370	2500	95	90 - 110	P	09/23/2024	13:51	LB132557

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P4103
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4103 **SAS No.:** P4103
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Copper	1220	1250	98	90 - 110	P	09/23/2024	13:51	LB132557
	Iron	4830	5000	97	90 - 110	P	09/23/2024	13:51	LB132557
	Lead	4720	5000	94	90 - 110	P	09/23/2024	13:51	LB132557
	Magnesium	23500	25000	94	90 - 110	P	09/23/2024	13:51	LB132557
	Manganese	2430	2500	97	90 - 110	P	09/23/2024	13:51	LB132557
	Nickel	2380	2500	95	90 - 110	P	09/23/2024	13:51	LB132557
	Potassium	24200	25000	97	90 - 110	P	09/23/2024	13:51	LB132557
	Selenium	4800	5000	96	90 - 110	P	09/23/2024	13:51	LB132557
	Silver	1240	1250	100	90 - 110	P	09/23/2024	13:51	LB132557
	Sodium	23400	25000	94	90 - 110	P	09/23/2024	13:51	LB132557
	Thallium	5010	5000	100	90 - 110	P	09/23/2024	13:51	LB132557
	Tin	4720	5000	94	90 - 110	P	09/23/2024	13:51	LB132557
	Vanadium	2360	2500	94	90 - 110	P	09/23/2024	13:51	LB132557
	Zinc	2520	2500	101	90 - 110	P	09/23/2024	13:51	LB132557
CCV03	Aluminum	9740	10000	97	90 - 110	P	09/23/2024	14:47	LB132557
	Antimony	4980	5000	100	90 - 110	P	09/23/2024	14:47	LB132557
	Arsenic	4860	5000	97	90 - 110	P	09/23/2024	14:47	LB132557
	Barium	9950	10000	100	90 - 110	P	09/23/2024	14:47	LB132557
	Beryllium	264	250	105	90 - 110	P	09/23/2024	14:47	LB132557
	Boron	5200	5000	104	90 - 110	P	09/23/2024	14:47	LB132557
	Cadmium	2380	2500	95	90 - 110	P	09/23/2024	14:47	LB132557
	Calcium	25900	25000	104	90 - 110	P	09/23/2024	14:47	LB132557
	Chromium	932	1000	93	90 - 110	P	09/23/2024	14:47	LB132557
	Cobalt	2420	2500	97	90 - 110	P	09/23/2024	14:47	LB132557
	Copper	1240	1250	100	90 - 110	P	09/23/2024	14:47	LB132557
	Iron	4640	5000	93	90 - 110	P	09/23/2024	14:47	LB132557
	Lead	4810	5000	96	90 - 110	P	09/23/2024	14:47	LB132557
	Magnesium	23800	25000	95	90 - 110	P	09/23/2024	14:47	LB132557
	Manganese	2490	2500	99	90 - 110	P	09/23/2024	14:47	LB132557
	Nickel	2420	2500	97	90 - 110	P	09/23/2024	14:47	LB132557
	Potassium	23400	25000	94	90 - 110	P	09/23/2024	14:47	LB132557
	Selenium	4900	5000	98	90 - 110	P	09/23/2024	14:47	LB132557
	Silver	1220	1250	98	90 - 110	P	09/23/2024	14:47	LB132557
	Sodium	23200	25000	93	90 - 110	P	09/23/2024	14:47	LB132557

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P4103
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4103 **SAS No.:** P4103
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV03	Thallium	5070	5000	101	90 - 110	P	09/23/2024	14:47	LB132557
	Tin	4800	5000	96	90 - 110	P	09/23/2024	14:47	LB132557
	Vanadium	2400	2500	96	90 - 110	P	09/23/2024	14:47	LB132557
	Zinc	2480	2500	99	90 - 110	P	09/23/2024	14:47	LB132557
CCV04	Aluminum	10100	10000	101	90 - 110	P	09/23/2024	15:37	LB132557
	Antimony	5050	5000	101	90 - 110	P	09/23/2024	15:37	LB132557
	Arsenic	4870	5000	97	90 - 110	P	09/23/2024	15:37	LB132557
	Barium	10100	10000	101	90 - 110	P	09/23/2024	15:37	LB132557
	Beryllium	237	250	95	90 - 110	P	09/23/2024	15:37	LB132557
	Boron	4760	5000	95	90 - 110	P	09/23/2024	15:37	LB132557
	Cadmium	2400	2500	96	90 - 110	P	09/23/2024	15:37	LB132557
	Calcium	26600	25000	106	90 - 110	P	09/23/2024	15:37	LB132557
	Chromium	968	1000	97	90 - 110	P	09/23/2024	15:37	LB132557
	Cobalt	2450	2500	98	90 - 110	P	09/23/2024	15:37	LB132557
	Copper	1250	1250	100	90 - 110	P	09/23/2024	15:37	LB132557
	Iron	4840	5000	97	90 - 110	P	09/23/2024	15:37	LB132557
	Lead	4860	5000	97	90 - 110	P	09/23/2024	15:37	LB132557
	Magnesium	24500	25000	98	90 - 110	P	09/23/2024	15:37	LB132557
	Manganese	2560	2500	102	90 - 110	P	09/23/2024	15:37	LB132557
	Nickel	2440	2500	98	90 - 110	P	09/23/2024	15:37	LB132557
	Potassium	24900	25000	100	90 - 110	P	09/23/2024	15:37	LB132557
	Selenium	4920	5000	98	90 - 110	P	09/23/2024	15:37	LB132557
	Silver	1300	1250	104	90 - 110	P	09/23/2024	15:37	LB132557
	Sodium	23700	25000	95	90 - 110	P	09/23/2024	15:37	LB132557
	Thallium	5140	5000	103	90 - 110	P	09/23/2024	15:37	LB132557
	Tin	4840	5000	97	90 - 110	P	09/23/2024	15:37	LB132557
	Vanadium	2470	2500	99	90 - 110	P	09/23/2024	15:37	LB132557
	Zinc	2650	2500	106	90 - 110	P	09/23/2024	15:37	LB132557
CCV05	Aluminum	9680	10000	97	90 - 110	P	09/23/2024	16:33	LB132557
	Antimony	4930	5000	99	90 - 110	P	09/23/2024	16:33	LB132557
	Arsenic	4840	5000	97	90 - 110	P	09/23/2024	16:33	LB132557
	Barium	9820	10000	98	90 - 110	P	09/23/2024	16:33	LB132557
	Beryllium	232	250	93	90 - 110	P	09/23/2024	16:33	LB132557
	Boron	5400	5000	108	90 - 110	P	09/23/2024	16:33	LB132557

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P4103
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4103 **SAS No.:** P4103
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Cadmium	2390	2500	96	90 - 110	P	09/23/2024	16:33	LB132557
	Calcium	26300	25000	105	90 - 110	P	09/23/2024	16:33	LB132557
	Chromium	937	1000	94	90 - 110	P	09/23/2024	16:33	LB132557
	Cobalt	2430	2500	97	90 - 110	P	09/23/2024	16:33	LB132557
	Copper	1240	1250	99	90 - 110	P	09/23/2024	16:33	LB132557
	Iron	4570	5000	92	90 - 110	P	09/23/2024	16:33	LB132557
	Lead	4840	5000	97	90 - 110	P	09/23/2024	16:33	LB132557
	Magnesium	24000	25000	96	90 - 110	P	09/23/2024	16:33	LB132557
	Manganese	2490	2500	100	90 - 110	P	09/23/2024	16:33	LB132557
	Nickel	2430	2500	97	90 - 110	P	09/23/2024	16:33	LB132557
	Potassium	23200	25000	93	90 - 110	P	09/23/2024	16:33	LB132557
	Selenium	4880	5000	98	90 - 110	P	09/23/2024	16:33	LB132557
	Silver	1240	1250	99	90 - 110	P	09/23/2024	16:33	LB132557
	Sodium	23100	25000	93	90 - 110	P	09/23/2024	16:33	LB132557
	Thallium	5080	5000	102	90 - 110	P	09/23/2024	16:33	LB132557
	Tin	4820	5000	96	90 - 110	P	09/23/2024	16:33	LB132557
	Vanadium	2390	2500	95	90 - 110	P	09/23/2024	16:33	LB132557
	Zinc	2510	2500	100	90 - 110	P	09/23/2024	16:33	LB132557
CCV06	Aluminum	9960	10000	100	90 - 110	P	09/23/2024	17:26	LB132557
	Antimony	5190	5000	104	90 - 110	P	09/23/2024	17:26	LB132557
	Arsenic	5120	5000	102	90 - 110	P	09/23/2024	17:26	LB132557
	Barium	10100	10000	101	90 - 110	P	09/23/2024	17:26	LB132557
	Beryllium	232	250	93	90 - 110	P	09/23/2024	17:26	LB132557
	Boron	5460	5000	109	90 - 110	P	09/23/2024	17:26	LB132557
	Cadmium	2500	2500	100	90 - 110	P	09/23/2024	17:26	LB132557
	Calcium	26700	25000	107	90 - 110	P	09/23/2024	17:26	LB132557
	Chromium	958	1000	96	90 - 110	P	09/23/2024	17:26	LB132557
	Cobalt	2530	2500	101	90 - 110	P	09/23/2024	17:26	LB132557
	Copper	1290	1250	103	90 - 110	P	09/23/2024	17:26	LB132557
	Iron	4670	5000	93	90 - 110	P	09/23/2024	17:26	LB132557
	Lead	5030	5000	101	90 - 110	P	09/23/2024	17:26	LB132557
	Magnesium	24500	25000	98	90 - 110	P	09/23/2024	17:26	LB132557
	Manganese	2540	2500	102	90 - 110	P	09/23/2024	17:26	LB132557
	Nickel	2530	2500	101	90 - 110	P	09/23/2024	17:26	LB132557

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P4103
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4103 **SAS No.:** P4103
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV06	Potassium	24000	25000	96	90 - 110	P	09/23/2024	17:26	LB132557
	Selenium	5240	5000	105	90 - 110	P	09/23/2024	17:26	LB132557
	Silver	1260	1250	101	90 - 110	P	09/23/2024	17:26	LB132557
	Sodium	22700	25000	91	90 - 110	P	09/23/2024	17:26	LB132557
	Thallium	4840	5000	97	90 - 110	P	09/23/2024	17:26	LB132557
	Tin	5080	5000	102	90 - 110	P	09/23/2024	17:26	LB132557
	Vanadium	2450	2500	98	90 - 110	P	09/23/2024	17:26	LB132557
	Zinc	2540	2500	102	90 - 110	P	09/23/2024	17:26	LB132557
CCV07	Aluminum	9710	10000	97	90 - 110	P	09/23/2024	18:04	LB132557
	Antimony	5020	5000	100	90 - 110	P	09/23/2024	18:04	LB132557
	Arsenic	4930	5000	98	90 - 110	P	09/23/2024	18:04	LB132557
	Barium	10100	10000	101	90 - 110	P	09/23/2024	18:04	LB132557
	Beryllium	272	250	109	90 - 110	P	09/23/2024	18:04	LB132557
	Boron	5320	5000	106	90 - 110	P	09/23/2024	18:04	LB132557
	Cadmium	2420	2500	97	90 - 110	P	09/23/2024	18:04	LB132557
	Calcium	26700	25000	107	90 - 110	P	09/23/2024	18:04	LB132557
	Chromium	936	1000	94	90 - 110	P	09/23/2024	18:04	LB132557
	Cobalt	2460	2500	98	90 - 110	P	09/23/2024	18:04	LB132557
	Copper	1250	1250	100	90 - 110	P	09/23/2024	18:04	LB132557
	Iron	4660	5000	93	90 - 110	P	09/23/2024	18:04	LB132557
	Lead	4900	5000	98	90 - 110	P	09/23/2024	18:04	LB132557
	Magnesium	24000	25000	96	90 - 110	P	09/23/2024	18:04	LB132557
	Manganese	2510	2500	100	90 - 110	P	09/23/2024	18:04	LB132557
	Nickel	2460	2500	99	90 - 110	P	09/23/2024	18:04	LB132557
	Potassium	23900	25000	96	90 - 110	P	09/23/2024	18:04	LB132557
	Selenium	5010	5000	100	90 - 110	P	09/23/2024	18:04	LB132557
	Silver	1250	1250	100	90 - 110	P	09/23/2024	18:04	LB132557
	Sodium	23300	25000	93	90 - 110	P	09/23/2024	18:04	LB132557
	Thallium	4690	5000	94	90 - 110	P	09/23/2024	18:04	LB132557
	Tin	4930	5000	99	90 - 110	P	09/23/2024	18:04	LB132557
	Vanadium	2400	2500	96	90 - 110	P	09/23/2024	18:04	LB132557
	Zinc	2520	2500	101	90 - 110	P	09/23/2024	18:04	LB132557

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P4103
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4103 **SAS No.:** P4103
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2490	2500	100	90 - 110	P	09/24/2024	13:34	LB132578
	Antimony	996	1000	100	90 - 110	P	09/24/2024	13:34	LB132578
	Arsenic	974	1000	97	90 - 110	P	09/24/2024	13:34	LB132578
	Barium	493	520	95	90 - 110	P	09/24/2024	13:34	LB132578
	Beryllium	510	510	100	90 - 110	P	09/24/2024	13:34	LB132578
	Boron	2460	2500	98	90 - 110	P	09/24/2024	13:34	LB132578
	Cadmium	492	510	96	90 - 110	P	09/24/2024	13:34	LB132578
	Calcium	9810	10000	98	90 - 110	P	09/24/2024	13:34	LB132578
	Chromium	551	520	106	90 - 110	P	09/24/2024	13:34	LB132578
	Cobalt	524	520	101	90 - 110	P	09/24/2024	13:34	LB132578
	Copper	533	510	104	90 - 110	P	09/24/2024	13:34	LB132578
	Iron	10400	10000	104	90 - 110	P	09/24/2024	13:34	LB132578
	Lead	981	1000	98	90 - 110	P	09/24/2024	13:34	LB132578
	Magnesium	5800	6000	97	90 - 110	P	09/24/2024	13:34	LB132578
	Manganese	504	520	97	90 - 110	P	09/24/2024	13:34	LB132578
	Nickel	526	530	99	90 - 110	P	09/24/2024	13:34	LB132578
	Potassium	10200	9900	103	90 - 110	P	09/24/2024	13:34	LB132578
	Selenium	991	1000	99	90 - 110	P	09/24/2024	13:34	LB132578
	Silver	269	250	108	90 - 110	P	09/24/2024	13:34	LB132578
	Sodium	10000	10000	100	90 - 110	P	09/24/2024	13:34	LB132578
	Thallium	1000	1000	100	90 - 110	P	09/24/2024	13:34	LB132578
	Tin	2390	2500	96	90 - 110	P	09/24/2024	13:34	LB132578
	Vanadium	474	500	95	90 - 110	P	09/24/2024	13:34	LB132578
	Zinc	1090	1000	109	90 - 110	P	09/24/2024	13:34	LB132578

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P4103
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4103 **SAS No.:** P4103
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	117	100	116	80 - 120	P	09/24/2024	13:38	LB132578
	Antimony	50.2	50.0	100	80 - 120	P	09/24/2024	13:38	LB132578
	Arsenic	19.6	20.0	98	80 - 120	P	09/24/2024	13:38	LB132578
	Barium	95.2	100	95	80 - 120	P	09/24/2024	13:38	LB132578
	Beryllium	6.09	6.0	102	80 - 120	P	09/24/2024	13:38	LB132578
	Boron	99.3	100	99	80 - 120	P	09/24/2024	13:38	LB132578
	Cadmium	6.18	6.0	103	80 - 120	P	09/24/2024	13:38	LB132578
	Calcium	2000	2000	100	80 - 120	P	09/24/2024	13:38	LB132578
	Chromium	10.3	10.0	103	80 - 120	P	09/24/2024	13:38	LB132578
	Cobalt	30.2	30.0	101	80 - 120	P	09/24/2024	13:38	LB132578
	Copper	22.6	20.0	113	80 - 120	P	09/24/2024	13:38	LB132578
	Iron	119	100	119	80 - 120	P	09/24/2024	13:38	LB132578
	Lead	12.5	12.0	104	80 - 120	P	09/24/2024	13:38	LB132578
	Magnesium	2050	2000	102	80 - 120	P	09/24/2024	13:38	LB132578
	Manganese	20.5	20.0	103	80 - 120	P	09/24/2024	13:38	LB132578
	Nickel	40.0	40.0	100	80 - 120	P	09/24/2024	13:38	LB132578
	Potassium	1890	2000	95	80 - 120	P	09/24/2024	13:38	LB132578
	Selenium	18.9	20.0	94	80 - 120	P	09/24/2024	13:38	LB132578
	Silver	10.2	10.0	102	80 - 120	P	09/24/2024	13:38	LB132578
	Sodium	1890	2000	94	80 - 120	P	09/24/2024	13:38	LB132578
	Thallium	38.2	40.0	96	80 - 120	P	09/24/2024	13:38	LB132578
	Tin	40.0	40.0	100	80 - 120	P	09/24/2024	13:38	LB132578
	Vanadium	38.3	40.0	96	80 - 120	P	09/24/2024	13:38	LB132578
	Zinc	46.0	40.0	115	80 - 120	P	09/24/2024	13:38	LB132578

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P4103
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4103 **SAS No.:** P4103
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9680	10000	97	90 - 110	P	09/24/2024	14:25	LB132578
	Antimony	4870	5000	98	90 - 110	P	09/24/2024	14:25	LB132578
	Arsenic	4860	5000	97	90 - 110	P	09/24/2024	14:25	LB132578
	Barium	9590	10000	96	90 - 110	P	09/24/2024	14:25	LB132578
	Beryllium	240	250	96	90 - 110	P	09/24/2024	14:25	LB132578
	Boron	4750	5000	95	90 - 110	P	09/24/2024	14:25	LB132578
	Cadmium	2470	2500	99	90 - 110	P	09/24/2024	14:25	LB132578
	Calcium	23800	25000	95	90 - 110	P	09/24/2024	14:25	LB132578
	Chromium	1020	1000	102	90 - 110	P	09/24/2024	14:25	LB132578
	Cobalt	2460	2500	98	90 - 110	P	09/24/2024	14:25	LB132578
	Copper	1230	1250	98	90 - 110	P	09/24/2024	14:25	LB132578
	Iron	5110	5000	102	90 - 110	P	09/24/2024	14:25	LB132578
	Lead	4930	5000	98	90 - 110	P	09/24/2024	14:25	LB132578
	Magnesium	23900	25000	96	90 - 110	P	09/24/2024	14:25	LB132578
	Manganese	2390	2500	96	90 - 110	P	09/24/2024	14:25	LB132578
	Nickel	2460	2500	98	90 - 110	P	09/24/2024	14:25	LB132578
	Potassium	25200	25000	101	90 - 110	P	09/24/2024	14:25	LB132578
	Selenium	4800	5000	96	90 - 110	P	09/24/2024	14:25	LB132578
	Silver	1260	1250	100	90 - 110	P	09/24/2024	14:25	LB132578
	Sodium	25600	25000	102	90 - 110	P	09/24/2024	14:25	LB132578
	Thallium	4610	5000	92	90 - 110	P	09/24/2024	14:25	LB132578
	Tin	4900	5000	98	90 - 110	P	09/24/2024	14:25	LB132578
	Vanadium	2420	2500	97	90 - 110	P	09/24/2024	14:25	LB132578
	Zinc	2540	2500	102	90 - 110	P	09/24/2024	14:25	LB132578
CCV02	Aluminum	9960	10000	100	90 - 110	P	09/24/2024	15:17	LB132578
	Antimony	5070	5000	102	90 - 110	P	09/24/2024	15:17	LB132578
	Arsenic	5080	5000	102	90 - 110	P	09/24/2024	15:17	LB132578
	Barium	10000	10000	100	90 - 110	P	09/24/2024	15:17	LB132578
	Beryllium	247	250	99	90 - 110	P	09/24/2024	15:17	LB132578
	Boron	4910	5000	98	90 - 110	P	09/24/2024	15:17	LB132578
	Cadmium	2550	2500	102	90 - 110	P	09/24/2024	15:17	LB132578
	Calcium	24800	25000	99	90 - 110	P	09/24/2024	15:17	LB132578
	Chromium	1040	1000	104	90 - 110	P	09/24/2024	15:17	LB132578
	Cobalt	2530	2500	101	90 - 110	P	09/24/2024	15:17	LB132578

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P4103
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4103 **SAS No.:** P4103
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Copper	1270	1250	102	90 - 110	P	09/24/2024	15:17	LB132578
	Iron	5230	5000	104	90 - 110	P	09/24/2024	15:17	LB132578
	Lead	5080	5000	102	90 - 110	P	09/24/2024	15:17	LB132578
	Magnesium	24800	25000	99	90 - 110	P	09/24/2024	15:17	LB132578
	Manganese	2480	2500	99	90 - 110	P	09/24/2024	15:17	LB132578
	Nickel	2540	2500	101	90 - 110	P	09/24/2024	15:17	LB132578
	Potassium	25700	25000	103	90 - 110	P	09/24/2024	15:17	LB132578
	Selenium	5070	5000	101	90 - 110	P	09/24/2024	15:17	LB132578
	Silver	1280	1250	103	90 - 110	P	09/24/2024	15:17	LB132578
	Sodium	26100	25000	104	90 - 110	P	09/24/2024	15:17	LB132578
	Thallium	5160	5000	103	90 - 110	P	09/24/2024	15:17	LB132578
	Tin	5080	5000	102	90 - 110	P	09/24/2024	15:17	LB132578
	Vanadium	2500	2500	100	90 - 110	P	09/24/2024	15:17	LB132578
	Zinc	2580	2500	103	90 - 110	P	09/24/2024	15:17	LB132578
CCV03	Aluminum	9890	10000	99	90 - 110	P	09/24/2024	16:08	LB132578
	Antimony	5060	5000	101	90 - 110	P	09/24/2024	16:08	LB132578
	Arsenic	5010	5000	100	90 - 110	P	09/24/2024	16:08	LB132578
	Barium	9810	10000	98	90 - 110	P	09/24/2024	16:08	LB132578
	Beryllium	246	250	98	90 - 110	P	09/24/2024	16:08	LB132578
	Boron	4960	5000	99	90 - 110	P	09/24/2024	16:08	LB132578
	Cadmium	2460	2500	99	90 - 110	P	09/24/2024	16:08	LB132578
	Calcium	24000	25000	96	90 - 110	P	09/24/2024	16:08	LB132578
	Chromium	1000	1000	100	90 - 110	P	09/24/2024	16:08	LB132578
	Cobalt	2460	2500	99	90 - 110	P	09/24/2024	16:08	LB132578
	Copper	1260	1250	101	90 - 110	P	09/24/2024	16:08	LB132578
	Iron	4940	5000	99	90 - 110	P	09/24/2024	16:08	LB132578
	Lead	4930	5000	99	90 - 110	P	09/24/2024	16:08	LB132578
	Magnesium	24100	25000	96	90 - 110	P	09/24/2024	16:08	LB132578
	Manganese	2420	2500	97	90 - 110	P	09/24/2024	16:08	LB132578
	Nickel	2470	2500	99	90 - 110	P	09/24/2024	16:08	LB132578
	Potassium	25000	25000	100	90 - 110	P	09/24/2024	16:08	LB132578
	Selenium	5030	5000	101	90 - 110	P	09/24/2024	16:08	LB132578
	Silver	1260	1250	101	90 - 110	P	09/24/2024	16:08	LB132578
	Sodium	25400	25000	102	90 - 110	P	09/24/2024	16:08	LB132578

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P4103
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4103 **SAS No.:** P4103
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV03	Thallium	4810	5000	96	90 - 110	P	09/24/2024	16:08	LB132578
	Tin	4910	5000	98	90 - 110	P	09/24/2024	16:08	LB132578
	Vanadium	2450	2500	98	90 - 110	P	09/24/2024	16:08	LB132578
	Zinc	2530	2500	101	90 - 110	P	09/24/2024	16:08	LB132578
CCV04	Aluminum	9910	10000	99	90 - 110	P	09/24/2024	16:58	LB132578
	Antimony	5030	5000	101	90 - 110	P	09/24/2024	16:58	LB132578
	Arsenic	5020	5000	100	90 - 110	P	09/24/2024	16:58	LB132578
	Barium	9880	10000	99	90 - 110	P	09/24/2024	16:58	LB132578
	Beryllium	255	250	102	90 - 110	P	09/24/2024	16:58	LB132578
	Boron	5060	5000	101	90 - 110	P	09/24/2024	16:58	LB132578
	Cadmium	2510	2500	100	90 - 110	P	09/24/2024	16:58	LB132578
	Calcium	24600	25000	98	90 - 110	P	09/24/2024	16:58	LB132578
	Chromium	1020	1000	102	90 - 110	P	09/24/2024	16:58	LB132578
	Cobalt	2500	2500	100	90 - 110	P	09/24/2024	16:58	LB132578
	Copper	1260	1250	101	90 - 110	P	09/24/2024	16:58	LB132578
	Iron	5110	5000	102	90 - 110	P	09/24/2024	16:58	LB132578
	Lead	5010	5000	100	90 - 110	P	09/24/2024	16:58	LB132578
	Magnesium	24500	25000	98	90 - 110	P	09/24/2024	16:58	LB132578
	Manganese	2450	2500	98	90 - 110	P	09/24/2024	16:58	LB132578
	Nickel	2500	2500	100	90 - 110	P	09/24/2024	16:58	LB132578
	Potassium	25400	25000	102	90 - 110	P	09/24/2024	16:58	LB132578
	Selenium	5050	5000	101	90 - 110	P	09/24/2024	16:58	LB132578
	Silver	1290	1250	103	90 - 110	P	09/24/2024	16:58	LB132578
	Sodium	25600	25000	102	90 - 110	P	09/24/2024	16:58	LB132578
	Thallium	5010	5000	100	90 - 110	P	09/24/2024	16:58	LB132578
	Tin	5020	5000	100	90 - 110	P	09/24/2024	16:58	LB132578
	Vanadium	2470	2500	99	90 - 110	P	09/24/2024	16:58	LB132578
	Zinc	2570	2500	103	90 - 110	P	09/24/2024	16:58	LB132578
CCV05	Aluminum	10100	10000	101	90 - 110	P	09/24/2024	17:49	LB132578
	Antimony	5180	5000	104	90 - 110	P	09/24/2024	17:49	LB132578
	Arsenic	5230	5000	104	90 - 110	P	09/24/2024	17:49	LB132578
	Barium	10000	10000	100	90 - 110	P	09/24/2024	17:49	LB132578
	Beryllium	256	250	102	90 - 110	P	09/24/2024	17:49	LB132578
	Boron	5140	5000	103	90 - 110	P	09/24/2024	17:49	LB132578

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P4103
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4103 **SAS No.:** P4103
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Cadmium	2570	2500	103	90 - 110	P	09/24/2024	17:49	LB132578
	Calcium	25000	25000	100	90 - 110	P	09/24/2024	17:49	LB132578
	Chromium	1020	1000	102	90 - 110	P	09/24/2024	17:49	LB132578
	Cobalt	2550	2500	102	90 - 110	P	09/24/2024	17:49	LB132578
	Copper	1300	1250	104	90 - 110	P	09/24/2024	17:49	LB132578
	Iron	4890	5000	98	90 - 110	P	09/24/2024	17:49	LB132578
	Lead	5100	5000	102	90 - 110	P	09/24/2024	17:49	LB132578
	Magnesium	25100	25000	101	90 - 110	P	09/24/2024	17:49	LB132578
	Manganese	2500	2500	100	90 - 110	P	09/24/2024	17:49	LB132578
	Nickel	2560	2500	102	90 - 110	P	09/24/2024	17:49	LB132578
	Potassium	24400	25000	98	90 - 110	P	09/24/2024	17:49	LB132578
	Selenium	5280	5000	106	90 - 110	P	09/24/2024	17:49	LB132578
	Silver	1260	1250	100	90 - 110	P	09/24/2024	17:49	LB132578
	Sodium	24600	25000	98	90 - 110	P	09/24/2024	17:49	LB132578
	Thallium	5080	5000	102	90 - 110	P	09/24/2024	17:49	LB132578
	Tin	5130	5000	102	90 - 110	P	09/24/2024	17:49	LB132578
	Vanadium	2510	2500	100	90 - 110	P	09/24/2024	17:49	LB132578
	Zinc	2520	2500	101	90 - 110	P	09/24/2024	17:49	LB132578
CCV06	Aluminum	9940	10000	99	90 - 110	P	09/24/2024	18:26	LB132578
	Antimony	4940	5000	99	90 - 110	P	09/24/2024	18:26	LB132578
	Arsenic	4880	5000	98	90 - 110	P	09/24/2024	18:26	LB132578
	Barium	9620	10000	96	90 - 110	P	09/24/2024	18:26	LB132578
	Beryllium	261	250	105	90 - 110	P	09/24/2024	18:26	LB132578
	Boron	5190	5000	104	90 - 110	P	09/24/2024	18:26	LB132578
	Cadmium	2450	2500	98	90 - 110	P	09/24/2024	18:26	LB132578
	Calcium	24300	25000	97	90 - 110	P	09/24/2024	18:26	LB132578
	Chromium	1020	1000	102	90 - 110	P	09/24/2024	18:26	LB132578
	Cobalt	2440	2500	98	90 - 110	P	09/24/2024	18:26	LB132578
	Copper	1230	1250	99	90 - 110	P	09/24/2024	18:26	LB132578
	Iron	4870	5000	98	90 - 110	P	09/24/2024	18:26	LB132578
	Lead	4880	5000	98	90 - 110	P	09/24/2024	18:26	LB132578
	Magnesium	24700	25000	99	90 - 110	P	09/24/2024	18:26	LB132578
	Manganese	2450	2500	98	90 - 110	P	09/24/2024	18:26	LB132578
	Nickel	2440	2500	98	90 - 110	P	09/24/2024	18:26	LB132578

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P4103
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4103 **SAS No.:** P4103
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV06	Potassium	24300	25000	97	90 - 110	P	09/24/2024	18:26	LB132578
	Selenium	4890	5000	98	90 - 110	P	09/24/2024	18:26	LB132578
	Silver	1270	1250	102	90 - 110	P	09/24/2024	18:26	LB132578
	Sodium	24500	25000	98	90 - 110	P	09/24/2024	18:26	LB132578
	Thallium	4890	5000	98	90 - 110	P	09/24/2024	18:26	LB132578
	Tin	4910	5000	98	90 - 110	P	09/24/2024	18:26	LB132578
	Vanadium	2460	2500	98	90 - 110	P	09/24/2024	18:26	LB132578
	Zinc	2500	2500	100	90 - 110	P	09/24/2024	18:26	LB132578
CCV07	Aluminum	10000	10000	100	90 - 110	P	09/24/2024	18:50	LB132578
	Antimony	4990	5000	100	90 - 110	P	09/24/2024	18:50	LB132578
	Arsenic	4920	5000	98	90 - 110	P	09/24/2024	18:50	LB132578
	Barium	9890	10000	99	90 - 110	P	09/24/2024	18:50	LB132578
	Beryllium	259	250	104	90 - 110	P	09/24/2024	18:50	LB132578
	Boron	5170	5000	103	90 - 110	P	09/24/2024	18:50	LB132578
	Cadmium	2480	2500	99	90 - 110	P	09/24/2024	18:50	LB132578
	Calcium	24600	25000	98	90 - 110	P	09/24/2024	18:50	LB132578
	Chromium	1040	1000	104	90 - 110	P	09/24/2024	18:50	LB132578
	Cobalt	2480	2500	99	90 - 110	P	09/24/2024	18:50	LB132578
	Copper	1250	1250	100	90 - 110	P	09/24/2024	18:50	LB132578
	Iron	5120	5000	102	90 - 110	P	09/24/2024	18:50	LB132578
	Lead	4940	5000	99	90 - 110	P	09/24/2024	18:50	LB132578
	Magnesium	25000	25000	100	90 - 110	P	09/24/2024	18:50	LB132578
	Manganese	2480	2500	99	90 - 110	P	09/24/2024	18:50	LB132578
	Nickel	2470	2500	99	90 - 110	P	09/24/2024	18:50	LB132578
	Potassium	24500	25000	98	90 - 110	P	09/24/2024	18:50	LB132578
	Selenium	4920	5000	98	90 - 110	P	09/24/2024	18:50	LB132578
	Silver	1280	1250	102	90 - 110	P	09/24/2024	18:50	LB132578
	Sodium	24500	25000	98	90 - 110	P	09/24/2024	18:50	LB132578
	Thallium	4930	5000	99	90 - 110	P	09/24/2024	18:50	LB132578
	Tin	4960	5000	99	90 - 110	P	09/24/2024	18:50	LB132578
	Vanadium	2500	2500	100	90 - 110	P	09/24/2024	18:50	LB132578
	Zinc	2740	2500	110	90 - 110	P	09/24/2024	18:50	LB132578