

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Ardmore Chemical **SDG No.:** Q1456
Contract: ARDM01 **Lab Code:** CHEM **Case No.:** Q1456 **SAS No.:** Q1456
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
ICV30	Mercury	4.03	4.0	101	95 - 105	CV	03/04/2025	15:39	LB134890

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Ardmore Chemical **SDG No.:** Q1456
Contract: ARDM01 **Lab Code:** CHEM **Case No.:** Q1456 **SAS No.:** Q1456
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
CCV60	Mercury	5.06	5.0	101	90 - 110	CV	03/04/2025	15:44	LB134890
CCV61	Mercury	5.12	5.0	102	90 - 110	CV	03/04/2025	16:15	LB134890
CCV62	Mercury	5.25	5.0	105	90 - 110	CV	03/04/2025	16:27	LB134890

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Ardmore Chemical **SDG No.:** Q1456
Contract: ARDM01 **Lab Code:** CHEM **Case No.:** Q1456 **SAS No.:** Q1456
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	Cadmium	494	510	97	95 - 105	P	03/03/2025	19:17	LB134881
	Copper	515	510	101	95 - 105	P	03/03/2025	19:17	LB134881
	Lead	988	1000	99	95 - 105	P	03/03/2025	19:17	LB134881
	Nickel	541	530	102	95 - 105	P	03/03/2025	19:17	LB134881
	Zinc	990	1000	99	95 - 105	P	03/03/2025	19:17	LB134881



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Client:	<u>Ardmore Chemical</u>	SDG No.:	<u>Q1456</u>	
Contract:	<u>ARDM01</u>	Lab Code:	<u>CHEM</u>	Case No.: <u>Q1456</u> SAS No.: <u>Q1456</u>
Initial Calibration Source:	<u>EPA</u>			
Continuing Calibration Source:	Inorganic Ventures			

Sample ID	Analyte	Result	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		ug/L							
LLICV01	Cadmium	5.82	6.0	97	80 - 120	P	03/03/2025	19:21	LB134881
	Copper	22.0	20.0	110	80 - 120	P	03/03/2025	19:21	LB134881
	Lead	11.6	12.0	97	80 - 120	P	03/03/2025	19:21	LB134881
	Nickel	38.1	40.0	95	80 - 120	P	03/03/2025	19:21	LB134881
	Zinc	40.2	40.0	100	80 - 120	P	03/03/2025	19:21	LB134881

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Client: Ardmore Chemical **SDG No.:** Q1456
Contract: ARDM01 **Lab Code:** CHEM **Case No.:** Q1456 **SAS No.:** Q1456
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	Cadmium	2380	2500	95	90 - 110	P	03/03/2025	19:57	LB134881
	Copper	1190	1250	95	90 - 110	P	03/03/2025	19:57	LB134881
	Lead	4770	5000	95	90 - 110	P	03/03/2025	19:57	LB134881
	Nickel	2490	2500	100	90 - 110	P	03/03/2025	19:57	LB134881
	Zinc	2390	2500	96	90 - 110	P	03/03/2025	19:57	LB134881
CCV02	Cadmium	2640	2500	105	90 - 110	P	03/03/2025	21:12	LB134881
	Copper	1330	1250	106	90 - 110	P	03/03/2025	21:12	LB134881
	Lead	5300	5000	106	90 - 110	P	03/03/2025	21:12	LB134881
	Nickel	2650	2500	106	90 - 110	P	03/03/2025	21:12	LB134881
	Zinc	2630	2500	105	90 - 110	P	03/03/2025	21:12	LB134881
CCV03	Cadmium	2540	2500	102	90 - 110	P	03/03/2025	22:02	LB134881
	Copper	1290	1250	103	90 - 110	P	03/03/2025	22:02	LB134881
	Lead	5080	5000	102	90 - 110	P	03/03/2025	22:02	LB134881
	Nickel	2540	2500	102	90 - 110	P	03/03/2025	22:02	LB134881
	Zinc	2550	2500	102	90 - 110	P	03/03/2025	22:02	LB134881
CCV04	Cadmium	2480	2500	99	90 - 110	P	03/03/2025	23:07	LB134881
	Copper	1250	1250	100	90 - 110	P	03/03/2025	23:07	LB134881
	Lead	4950	5000	99	90 - 110	P	03/03/2025	23:07	LB134881
	Nickel	2470	2500	99	90 - 110	P	03/03/2025	23:07	LB134881
	Zinc	2460	2500	98	90 - 110	P	03/03/2025	23:07	LB134881
CCV05	Cadmium	2430	2500	97	90 - 110	P	03/04/2025	00:03	LB134881
	Copper	1230	1250	98	90 - 110	P	03/04/2025	00:03	LB134881
	Lead	4850	5000	97	90 - 110	P	03/04/2025	00:03	LB134881
	Nickel	2420	2500	97	90 - 110	P	03/04/2025	00:03	LB134881
	Zinc	2420	2500	97	90 - 110	P	03/04/2025	00:03	LB134881

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Client: Ardmore Chemical **SDG No.:** Q1456
Contract: ARDM01 **Lab Code:** CHEM **Case No.:** Q1456 **SAS No.:** Q1456
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	Cadmium	501	510	98	95 - 105	P	03/04/2025	10:07	LB134892
	Copper	523	510	103	95 - 105	P	03/04/2025	10:07	LB134892
	Lead	1010	1000	101	95 - 105	P	03/04/2025	10:07	LB134892
	Nickel	511	530	96	95 - 105	P	03/04/2025	10:07	LB134892
	Zinc	1020	1000	102	95 - 105	P	03/04/2025	10:07	LB134892

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Client: Ardmore Chemical **SDG No.:** Q1456
Contract: ARDM01 **Lab Code:** CHEM **Case No.:** Q1456 **SAS No.:** Q1456
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	Cadmium	5.93	6.0	99	80 - 120	P	03/04/2025	10:13	LB134892
	Copper	22.5	20.0	112	80 - 120	P	03/04/2025	10:13	LB134892
	Lead	11.9	12.0	99	80 - 120	P	03/04/2025	10:13	LB134892
	Nickel	39.1	40.0	98	80 - 120	P	03/04/2025	10:13	LB134892
	Zinc	42.4	40.0	106	80 - 120	P	03/04/2025	10:13	LB134892

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Client: Ardmore Chemical **SDG No.:** Q1456
Contract: ARDM01 **Lab Code:** CHEM **Case No.:** Q1456 **SAS No.:** Q1456
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	Cadmium	2540	2500	102	90 - 110	P	03/04/2025	10:43	LB134892
	Copper	1290	1250	103	90 - 110	P	03/04/2025	10:43	LB134892
	Lead	5100	5000	102	90 - 110	P	03/04/2025	10:43	LB134892
	Nickel	2550	2500	102	90 - 110	P	03/04/2025	10:43	LB134892
	Zinc	2610	2500	104	90 - 110	P	03/04/2025	10:43	LB134892
CCV02	Cadmium	2450	2500	98	90 - 110	P	03/04/2025	11:34	LB134892
	Copper	1260	1250	101	90 - 110	P	03/04/2025	11:34	LB134892
	Lead	4910	5000	98	90 - 110	P	03/04/2025	11:34	LB134892
	Nickel	2450	2500	98	90 - 110	P	03/04/2025	11:34	LB134892
	Zinc	2520	2500	101	90 - 110	P	03/04/2025	11:34	LB134892
CCV03	Cadmium	2470	2500	99	90 - 110	P	03/04/2025	12:26	LB134892
	Copper	1270	1250	101	90 - 110	P	03/04/2025	12:26	LB134892
	Lead	4940	5000	99	90 - 110	P	03/04/2025	12:26	LB134892
	Nickel	2470	2500	99	90 - 110	P	03/04/2025	12:26	LB134892
	Zinc	2530	2500	101	90 - 110	P	03/04/2025	12:26	LB134892
CCV04	Cadmium	2400	2500	96	90 - 110	P	03/04/2025	13:27	LB134892
	Copper	1230	1250	99	90 - 110	P	03/04/2025	13:27	LB134892
	Lead	4820	5000	96	90 - 110	P	03/04/2025	13:27	LB134892
	Nickel	2410	2500	96	90 - 110	P	03/04/2025	13:27	LB134892
	Zinc	2470	2500	99	90 - 110	P	03/04/2025	13:27	LB134892
CCV05	Cadmium	2300	2500	92	90 - 110	P	03/04/2025	14:08	LB134892
	Copper	1190	1250	96	90 - 110	P	03/04/2025	14:08	LB134892
	Lead	4630	5000	92	90 - 110	P	03/04/2025	14:08	LB134892
	Nickel	2320	2500	93	90 - 110	P	03/04/2025	14:08	LB134892
	Zinc	2340	2500	94	90 - 110	P	03/04/2025	14:08	LB134892
CCV06	Cadmium	2420	2500	97	90 - 110	P	03/04/2025	14:30	LB134892
	Copper	1250	1250	100	90 - 110	P	03/04/2025	14:30	LB134892
	Lead	4850	5000	97	90 - 110	P	03/04/2025	14:30	LB134892
	Nickel	2420	2500	97	90 - 110	P	03/04/2025	14:30	LB134892
	Zinc	2500	2500	100	90 - 110	P	03/04/2025	14:30	LB134892

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Client: Ardmore Chemical **SDG No.:** Q1456
Contract: ARDM01 **Lab Code:** CHEM **Case No.:** Q1456 **SAS No.:** Q1456
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	Cadmium	503	510	99	95 - 105	P	03/10/2025	11:48	LB134965
	Copper	524	510	103	95 - 105	P	03/10/2025	11:48	LB134965
	Lead	1010	1000	101	95 - 105	P	03/10/2025	11:48	LB134965
	Nickel	513	530	97	95 - 105	P	03/10/2025	11:48	LB134965
	Zinc	1040	1000	104	95 - 105	P	03/10/2025	11:48	LB134965

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Client: Ardmore Chemical **SDG No.:** Q1456
Contract: ARDM01 **Lab Code:** CHEM **Case No.:** Q1456 **SAS No.:** Q1456
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	Cadmium	5.56	6.0	93	80 - 120	P	03/10/2025	11:52	LB134965
	Copper	21.2	20.0	106	80 - 120	P	03/10/2025	11:52	LB134965
	Lead	11.7	12.0	97	80 - 120	P	03/10/2025	11:52	LB134965
	Nickel	37.4	40.0	93	80 - 120	P	03/10/2025	11:52	LB134965
	Zinc	40.5	40.0	101	80 - 120	P	03/10/2025	11:52	LB134965

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Ardmore Chemical **SDG No.:** Q1456

Contract: ARDM01 **Lab Code:** CHEM **Case No.:** Q1456 **SAS No.:** Q1456

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	Cadmium	2440	2500	97	90 - 110	P	03/10/2025	12:27	LB134965
	Copper	1240	1250	99	90 - 110	P	03/10/2025	12:27	LB134965
	Lead	4900	5000	98	90 - 110	P	03/10/2025	12:27	LB134965
	Nickel	2440	2500	98	90 - 110	P	03/10/2025	12:27	LB134965
	Zinc	2470	2500	99	90 - 110	P	03/10/2025	12:27	LB134965
CCV02	Cadmium	2470	2500	99	90 - 110	P	03/10/2025	13:21	LB134965
	Copper	1270	1250	102	90 - 110	P	03/10/2025	13:21	LB134965
	Lead	4950	5000	99	90 - 110	P	03/10/2025	13:21	LB134965
	Nickel	2490	2500	100	90 - 110	P	03/10/2025	13:21	LB134965
	Zinc	2550	2500	102	90 - 110	P	03/10/2025	13:21	LB134965
CCV03	Cadmium	2500	2500	100	90 - 110	P	03/10/2025	14:11	LB134965
	Copper	1300	1250	104	90 - 110	P	03/10/2025	14:11	LB134965
	Lead	5010	5000	100	90 - 110	P	03/10/2025	14:11	LB134965
	Nickel	2520	2500	101	90 - 110	P	03/10/2025	14:11	LB134965
	Zinc	2590	2500	104	90 - 110	P	03/10/2025	14:11	LB134965
CCV04	Cadmium	2420	2500	97	90 - 110	P	03/10/2025	15:01	LB134965
	Copper	1250	1250	100	90 - 110	P	03/10/2025	15:01	LB134965
	Lead	4860	5000	97	90 - 110	P	03/10/2025	15:01	LB134965
	Nickel	2440	2500	98	90 - 110	P	03/10/2025	15:01	LB134965
	Zinc	2510	2500	100	90 - 110	P	03/10/2025	15:01	LB134965
CCV05	Cadmium	2420	2500	97	90 - 110	P	03/10/2025	15:51	LB134965
	Copper	1250	1250	100	90 - 110	P	03/10/2025	15:51	LB134965
	Lead	4850	5000	97	90 - 110	P	03/10/2025	15:51	LB134965
	Nickel	2450	2500	98	90 - 110	P	03/10/2025	15:51	LB134965
	Zinc	2500	2500	100	90 - 110	P	03/10/2025	15:51	LB134965
CCV06	Cadmium	2410	2500	96	90 - 110	P	03/10/2025	16:48	LB134965
	Copper	1250	1250	100	90 - 110	P	03/10/2025	16:48	LB134965
	Lead	4830	5000	96	90 - 110	P	03/10/2025	16:48	LB134965
	Nickel	2440	2500	97	90 - 110	P	03/10/2025	16:48	LB134965
	Zinc	2500	2500	100	90 - 110	P	03/10/2025	16:48	LB134965
CCV07	Cadmium	2350	2500	94	90 - 110	P	03/10/2025	17:39	LB134965
	Copper	1220	1250	98	90 - 110	P	03/10/2025	17:39	LB134965
	Lead	4710	5000	94	90 - 110	P	03/10/2025	17:39	LB134965
	Nickel	2380	2500	95	90 - 110	P	03/10/2025	17:39	LB134965



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Client:	<u>Ardmore Chemical</u>	SDG No.:	<u>Q1456</u>	
Contract:	<u>ARDM01</u>	Lab Code:	<u>CHEM</u>	Case No.: <u>Q1456</u> SAS No.: <u>Q1456</u>
Initial Calibration Source:	<u>EPA</u>			
Continuing Calibration Source:	Inorganic Ventures			

Sample ID	Analyte	Result	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		ug/L							
CCV07	Zinc	2410	2500	96	90 - 110	P	03/10/2025	17:39	LB134965
CCV08	Cadmium	2320	2500	93	90 - 110	P	03/10/2025	18:29	LB134965
	Copper	1200	1250	96	90 - 110	P	03/10/2025	18:29	LB134965
	Lead	4630	5000	93	90 - 110	P	03/10/2025	18:29	LB134965
	Nickel	2350	2500	94	90 - 110	P	03/10/2025	18:29	LB134965
	Zinc	2410	2500	96	90 - 110	P	03/10/2025	18:29	LB134965
CCV09	Cadmium	2320	2500	93	90 - 110	P	03/10/2025	18:46	LB134965
	Copper	1210	1250	97	90 - 110	P	03/10/2025	18:46	LB134965
	Lead	4630	5000	93	90 - 110	P	03/10/2025	18:46	LB134965
	Nickel	2350	2500	94	90 - 110	P	03/10/2025	18:46	LB134965
	Zinc	2360	2500	94	90 - 110	P	03/10/2025	18:46	LB134965