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

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q1478

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q1478 **SAS No.:** Q1478

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
ICV34	Mercury	4.11	4.0	103	90 - 110	CV	03/06/2025	13:25	LB134924

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q1478

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q1478 **SAS No.:** Q1478

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
CCV72	Mercury	4.67	5.0	94	90 - 110	CV	03/06/2025	13:29	LB134924
CCV73	Mercury	5.48	5.0	110	90 - 110	CV	03/06/2025	13:59	LB134924
CCV74	Mercury	5.04	5.0	101	90 - 110	CV	03/06/2025	14:27	LB134924
CCV75	Mercury	4.88	5.0	98	90 - 110	CV	03/06/2025	14:41	LB134924

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q1478

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q1478 **SAS No.:** Q1478

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	Arsenic	1030	1000	103	95 - 105	P	03/10/2025	11:48	LB134965
	Barium	537	520	103	95 - 105	P	03/10/2025	11:48	LB134965
	Cadmium	503	510	99	95 - 105	P	03/10/2025	11:48	LB134965
	Chromium	531	520	102	95 - 105	P	03/10/2025	11:48	LB134965
	Lead	1010	1000	101	95 - 105	P	03/10/2025	11:48	LB134965
	Selenium	1040	1000	104	95 - 105	P	03/10/2025	11:48	LB134965
	Silver	257	250	103	95 - 105	P	03/10/2025	11:48	LB134965

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q1478

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q1478 **SAS No.:** Q1478

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	Arsenic	17.9	20.0	90	80 - 120	P	03/10/2025	11:52	LB134965
	Barium	90.3	100	90	80 - 120	P	03/10/2025	11:52	LB134965
	Cadmium	5.56	6.0	93	80 - 120	P	03/10/2025	11:52	LB134965
	Chromium	9.58	10.0	96	80 - 120	P	03/10/2025	11:52	LB134965
	Lead	11.7	12.0	97	80 - 120	P	03/10/2025	11:52	LB134965
	Selenium	18.2	20.0	91	80 - 120	P	03/10/2025	11:52	LB134965
	Silver	9.78	10.0	98	80 - 120	P	03/10/2025	11:52	LB134965

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q1478

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q1478 **SAS No.:** Q1478

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	Arsenic	4990	5000	100	90 - 110	P	03/10/2025	12:27	LB134965
	Barium	9500	10000	95	90 - 110	P	03/10/2025	12:27	LB134965
	Cadmium	2440	2500	97	90 - 110	P	03/10/2025	12:27	LB134965
	Chromium	1000	1000	100	90 - 110	P	03/10/2025	12:27	LB134965
	Lead	4900	5000	98	90 - 110	P	03/10/2025	12:27	LB134965
	Selenium	5030	5000	101	90 - 110	P	03/10/2025	12:27	LB134965
	Silver	1220	1250	98	90 - 110	P	03/10/2025	12:27	LB134965
CCV02	Arsenic	5090	5000	102	90 - 110	P	03/10/2025	13:21	LB134965
	Barium	10200	10000	102	90 - 110	P	03/10/2025	13:21	LB134965
	Cadmium	2470	2500	99	90 - 110	P	03/10/2025	13:21	LB134965
	Chromium	1000	1000	100	90 - 110	P	03/10/2025	13:21	LB134965
	Lead	4950	5000	99	90 - 110	P	03/10/2025	13:21	LB134965
	Selenium	5150	5000	103	90 - 110	P	03/10/2025	13:21	LB134965
	Silver	1260	1250	101	90 - 110	P	03/10/2025	13:21	LB134965
CCV03	Arsenic	5180	5000	104	90 - 110	P	03/10/2025	14:11	LB134965
	Barium	10200	10000	102	90 - 110	P	03/10/2025	14:11	LB134965
	Cadmium	2500	2500	100	90 - 110	P	03/10/2025	14:11	LB134965
	Chromium	1000	1000	100	90 - 110	P	03/10/2025	14:11	LB134965
	Lead	5010	5000	100	90 - 110	P	03/10/2025	14:11	LB134965
	Selenium	5240	5000	105	90 - 110	P	03/10/2025	14:11	LB134965
	Silver	1280	1250	102	90 - 110	P	03/10/2025	14:11	LB134965
CCV04	Arsenic	5010	5000	100	90 - 110	P	03/10/2025	15:01	LB134965
	Barium	9950	10000	100	90 - 110	P	03/10/2025	15:01	LB134965
	Cadmium	2420	2500	97	90 - 110	P	03/10/2025	15:01	LB134965
	Chromium	993	1000	99	90 - 110	P	03/10/2025	15:01	LB134965
	Lead	4860	5000	97	90 - 110	P	03/10/2025	15:01	LB134965
	Selenium	5050	5000	101	90 - 110	P	03/10/2025	15:01	LB134965
	Silver	1250	1250	100	90 - 110	P	03/10/2025	15:01	LB134965
CCV05	Arsenic	5000	5000	100	90 - 110	P	03/10/2025	15:51	LB134965
	Barium	9730	10000	97	90 - 110	P	03/10/2025	15:51	LB134965
	Cadmium	2420	2500	97	90 - 110	P	03/10/2025	15:51	LB134965
	Chromium	983	1000	98	90 - 110	P	03/10/2025	15:51	LB134965
	Lead	4850	5000	97	90 - 110	P	03/10/2025	15:51	LB134965
	Selenium	5020	5000	100	90 - 110	P	03/10/2025	15:51	LB134965

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q1478

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q1478 **SAS No.:** Q1478

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	Silver	1250	1250	100	90 - 110	P	03/10/2025	15:51	LB134965
CCV06	Arsenic	4980	5000	100	90 - 110	P	03/10/2025	16:48	LB134965
	Barium	9720	10000	97	90 - 110	P	03/10/2025	16:48	LB134965
	Cadmium	2410	2500	96	90 - 110	P	03/10/2025	16:48	LB134965
	Chromium	977	1000	98	90 - 110	P	03/10/2025	16:48	LB134965
	Lead	4830	5000	96	90 - 110	P	03/10/2025	16:48	LB134965
	Selenium	5020	5000	100	90 - 110	P	03/10/2025	16:48	LB134965
	Silver	1240	1250	100	90 - 110	P	03/10/2025	16:48	LB134965
CCV07	Arsenic	4890	5000	98	90 - 110	P	03/10/2025	17:39	LB134965
	Barium	9380	10000	94	90 - 110	P	03/10/2025	17:39	LB134965
	Cadmium	2350	2500	94	90 - 110	P	03/10/2025	17:39	LB134965
	Chromium	942	1000	94	90 - 110	P	03/10/2025	17:39	LB134965
	Lead	4710	5000	94	90 - 110	P	03/10/2025	17:39	LB134965
	Selenium	4950	5000	99	90 - 110	P	03/10/2025	17:39	LB134965
	Silver	1190	1250	95	90 - 110	P	03/10/2025	17:39	LB134965
CCV08	Arsenic	4780	5000	96	90 - 110	P	03/10/2025	18:29	LB134965
	Barium	9560	10000	96	90 - 110	P	03/10/2025	18:29	LB134965
	Cadmium	2320	2500	93	90 - 110	P	03/10/2025	18:29	LB134965
	Chromium	933	1000	93	90 - 110	P	03/10/2025	18:29	LB134965
	Lead	4630	5000	93	90 - 110	P	03/10/2025	18:29	LB134965
	Selenium	4800	5000	96	90 - 110	P	03/10/2025	18:29	LB134965
	Silver	1200	1250	96	90 - 110	P	03/10/2025	18:29	LB134965
CCV09	Arsenic	4800	5000	96	90 - 110	P	03/10/2025	18:46	LB134965
	Barium	9700	10000	97	90 - 110	P	03/10/2025	18:46	LB134965
	Cadmium	2320	2500	93	90 - 110	P	03/10/2025	18:46	LB134965
	Chromium	923	1000	92	90 - 110	P	03/10/2025	18:46	LB134965
	Lead	4630	5000	93	90 - 110	P	03/10/2025	18:46	LB134965
	Selenium	4840	5000	97	90 - 110	P	03/10/2025	18:46	LB134965
	Silver	1180	1250	95	90 - 110	P	03/10/2025	18:46	LB134965