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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

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
ICV118	Mercury	3.95	4.0	99	90 - 110	CV	11/17/2025	15:17	LB137920

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

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc.

SDG No.: Q3649

Contract: HDRI08

Lab Code: ACE

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
CCV04	Mercury	5.02	5.0	100	90 - 110	CV	11/17/2025	15:21	LB137920
CCV05	Mercury	4.99	5.0	100	90 - 110	CV	11/17/2025	15:49	LB137920
CCV06	Mercury	4.98	5.0	100	90 - 110	CV	11/17/2025	16:11	LB137920

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

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

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	3890	4000	97	90 - 110	P	11/17/2025	13:23	LB137929
	Barium	7960	8000	99	90 - 110	P	11/17/2025	13:23	LB137929
	Cadmium	1940	2000	97	90 - 110	P	11/17/2025	13:23	LB137929
	Chromium	814	800	102	90 - 110	P	11/17/2025	13:23	LB137929
	Lead	3830	4000	96	90 - 110	P	11/17/2025	13:23	LB137929
	Selenium	3930	4000	98	90 - 110	P	11/17/2025	13:23	LB137929
	Silver	957	1000	96	90 - 110	P	11/17/2025	13:23	LB137929

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

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	5010	5000	100	90 - 110	P	11/17/2025	13:57	LB137929
	Barium	10100	10000	101	90 - 110	P	11/17/2025	13:57	LB137929
	Cadmium	2510	2500	100	90 - 110	P	11/17/2025	13:57	LB137929
	Chromium	1030	1000	103	90 - 110	P	11/17/2025	13:57	LB137929
	Lead	5020	5000	100	90 - 110	P	11/17/2025	13:57	LB137929
	Selenium	5010	5000	100	90 - 110	P	11/17/2025	13:57	LB137929
	Silver	1260	1250	101	90 - 110	P	11/17/2025	13:57	LB137929
CCV02	Arsenic	5120	5000	102	90 - 110	P	11/17/2025	14:47	LB137929
	Barium	10100	10000	101	90 - 110	P	11/17/2025	14:47	LB137929
	Cadmium	2540	2500	102	90 - 110	P	11/17/2025	14:47	LB137929
	Chromium	1030	1000	103	90 - 110	P	11/17/2025	14:47	LB137929
	Lead	5080	5000	102	90 - 110	P	11/17/2025	14:47	LB137929
	Selenium	5170	5000	103	90 - 110	P	11/17/2025	14:47	LB137929
	Silver	1280	1250	102	90 - 110	P	11/17/2025	14:47	LB137929
CCV03	Arsenic	4790	5000	96	90 - 110	P	11/17/2025	15:44	LB137929
	Barium	9720	10000	97	90 - 110	P	11/17/2025	15:44	LB137929
	Cadmium	2370	2500	95	90 - 110	P	11/17/2025	15:44	LB137929
	Chromium	948	1000	95	90 - 110	P	11/17/2025	15:44	LB137929
	Lead	4750	5000	95	90 - 110	P	11/17/2025	15:44	LB137929
	Selenium	4800	5000	96	90 - 110	P	11/17/2025	15:44	LB137929
	Silver	1190	1250	95	90 - 110	P	11/17/2025	15:44	LB137929
CCV04	Arsenic	5130	5000	103	90 - 110	P	11/17/2025	16:34	LB137929
	Barium	10000	10000	100	90 - 110	P	11/17/2025	16:34	LB137929
	Cadmium	2510	2500	101	90 - 110	P	11/17/2025	16:34	LB137929
	Chromium	1020	1000	102	90 - 110	P	11/17/2025	16:34	LB137929
	Lead	5030	5000	101	90 - 110	P	11/17/2025	16:34	LB137929
	Selenium	5160	5000	103	90 - 110	P	11/17/2025	16:34	LB137929
	Silver	1280	1250	103	90 - 110	P	11/17/2025	16:34	LB137929
CCV05	Arsenic	5130	5000	102	90 - 110	P	11/17/2025	17:24	LB137929
	Barium	9840	10000	98	90 - 110	P	11/17/2025	17:24	LB137929
	Cadmium	2530	2500	101	90 - 110	P	11/17/2025	17:24	LB137929
	Chromium	1030	1000	103	90 - 110	P	11/17/2025	17:24	LB137929
	Lead	5020	5000	100	90 - 110	P	11/17/2025	17:24	LB137929
	Selenium	5110	5000	102	90 - 110	P	11/17/2025	17:24	LB137929

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

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	1260	1250	101	90 - 110	P	11/17/2025	17:24	LB137929
CCV06	Arsenic	5010	5000	100	90 - 110	P	11/17/2025	18:15	LB137929
	Barium	9690	10000	97	90 - 110	P	11/17/2025	18:15	LB137929
	Cadmium	2450	2500	98	90 - 110	P	11/17/2025	18:15	LB137929
	Chromium	1000	1000	100	90 - 110	P	11/17/2025	18:15	LB137929
	Lead	4890	5000	98	90 - 110	P	11/17/2025	18:15	LB137929
	Selenium	5020	5000	100	90 - 110	P	11/17/2025	18:15	LB137929
	Silver	1250	1250	100	90 - 110	P	11/17/2025	18:15	LB137929
CCV07	Arsenic	4980	5000	100	90 - 110	P	11/17/2025	19:07	LB137929
	Barium	9940	10000	99	90 - 110	P	11/17/2025	19:07	LB137929
	Cadmium	2410	2500	96	90 - 110	P	11/17/2025	19:07	LB137929
	Chromium	987	1000	99	90 - 110	P	11/17/2025	19:07	LB137929
	Lead	4790	5000	96	90 - 110	P	11/17/2025	19:07	LB137929
	Selenium	4970	5000	99	90 - 110	P	11/17/2025	19:07	LB137929
	Silver	1250	1250	100	90 - 110	P	11/17/2025	19:07	LB137929
CCV08	Arsenic	5170	5000	104	90 - 110	P	11/17/2025	19:24	LB137929
	Barium	10200	10000	102	90 - 110	P	11/17/2025	19:24	LB137929
	Cadmium	2510	2500	100	90 - 110	P	11/17/2025	19:24	LB137929
	Chromium	1030	1000	103	90 - 110	P	11/17/2025	19:24	LB137929
	Lead	4990	5000	100	90 - 110	P	11/17/2025	19:24	LB137929
	Selenium	5180	5000	104	90 - 110	P	11/17/2025	19:24	LB137929
	Silver	1290	1250	103	90 - 110	P	11/17/2025	19:24	LB137929
CCV09	Arsenic	5220	5000	104	90 - 110	P	11/17/2025	19:47	LB137929
	Barium	9950	10000	100	90 - 110	P	11/17/2025	19:47	LB137929
	Cadmium	2430	2500	97	90 - 110	P	11/17/2025	19:47	LB137929
	Chromium	990	1000	99	90 - 110	P	11/17/2025	19:47	LB137929
	Lead	4900	5000	98	90 - 110	P	11/17/2025	19:47	LB137929
	Selenium	5220	5000	104	90 - 110	P	11/17/2025	19:47	LB137929
	Silver	1250	1250	100	90 - 110	P	11/17/2025	19:47	LB137929

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

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
LLCCV	Arsenic	20.5	20.0	103	80 - 120	P	11/17/2025	19:57	LB137929
	Barium	102	100	102	80 - 120	P	11/17/2025	19:57	LB137929
	Cadmium	6.08	6.0	101	80 - 120	P	11/17/2025	19:57	LB137929
	Chromium	10.4	10.0	104	80 - 120	P	11/17/2025	19:57	LB137929
	Lead	14.3	12.0	119	80 - 120	P	11/17/2025	19:57	LB137929
	Selenium	19.2	20.0	96	80 - 120	P	11/17/2025	19:57	LB137929
	Silver	11.9	10.0	119	80 - 120	P	11/17/2025	19:57	LB137929

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Metals

- 2a -

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Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

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	3890	4000	97	90 - 110	P	11/20/2025	13:12	LB137997
	Barium	7800	8000	98	90 - 110	P	11/20/2025	13:12	LB137997
	Cadmium	1930	2000	96	90 - 110	P	11/20/2025	13:12	LB137997
	Chromium	807	800	101	90 - 110	P	11/20/2025	13:12	LB137997
	Lead	3840	4000	96	90 - 110	P	11/20/2025	13:12	LB137997
	Selenium	3910	4000	98	90 - 110	P	11/20/2025	13:12	LB137997
	Silver	1050	1000	105	90 - 110	P	11/20/2025	13:12	LB137997

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

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	20.1	20.0	100	80 - 120	P	11/20/2025	13:17	LB137997
	Barium	102	100	102	80 - 120	P	11/20/2025	13:17	LB137997
	Cadmium	5.90	6.0	98	80 - 120	P	11/20/2025	13:17	LB137997
	Chromium	10.0	10.0	100	80 - 120	P	11/20/2025	13:17	LB137997
	Lead	11.0	12.0	92	80 - 120	P	11/20/2025	13:17	LB137997
	Selenium	17.1	20.0	86	80 - 120	P	11/20/2025	13:17	LB137997
	Silver	10.3	10.0	103	80 - 120	P	11/20/2025	13:17	LB137997

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Metals

- 2a -

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Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

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	4730	5000	94	90 - 110	P	11/20/2025	13:56	LB137997
	Barium	9580	10000	96	90 - 110	P	11/20/2025	13:56	LB137997
	Cadmium	2340	2500	94	90 - 110	P	11/20/2025	13:56	LB137997
	Chromium	954	1000	95	90 - 110	P	11/20/2025	13:56	LB137997
	Lead	4710	5000	94	90 - 110	P	11/20/2025	13:56	LB137997
	Selenium	4710	5000	94	90 - 110	P	11/20/2025	13:56	LB137997
	Silver	1190	1250	95	90 - 110	P	11/20/2025	13:56	LB137997
CCV02	Arsenic	5290	5000	106	90 - 110	P	11/20/2025	15:42	LB137997
	Barium	10300	10000	103	90 - 110	P	11/20/2025	15:42	LB137997
	Cadmium	2570	2500	103	90 - 110	P	11/20/2025	15:42	LB137997
	Chromium	1080	1000	108	90 - 110	P	11/20/2025	15:42	LB137997
	Lead	5180	5000	104	90 - 110	P	11/20/2025	15:42	LB137997
	Selenium	5320	5000	106	90 - 110	P	11/20/2025	15:42	LB137997
	Silver	1340	1250	108	90 - 110	P	11/20/2025	15:42	LB137997