



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc.

SDG No.: Q3649

Contract: HDRI08

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB119	Mercury	0.076	+/-0.2	U	0.20	CV	11/18/2025	09:56	LB137932

Metals

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SDG No.: Q3649

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Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB07	Mercury	0.076	+/-0.2	U	0.20	CV	11/18/2025	10:03	LB137932
CCB08	Mercury	0.076	+/-0.2	U	0.20	CV	11/18/2025	10:34	LB137932
CCB09	Mercury	0.076	+/-0.2	U	0.20	CV	11/18/2025	11:05	LB137932
CCB10	Mercury	0.076	+/-0.2	U	0.20	CV	11/18/2025	11:21	LB137932

Metals

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SDG No.: Q3649

Contract: HDRI08

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	32.3	+/-50	J	100	P	11/17/2025	13:31	LB137929
	Antimony	6.76	+/-25	U	50.0	P	11/17/2025	13:31	LB137929
	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	13:31	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	13:31	LB137929
	Beryllium	0.56	+/-3	U	6.00	P	11/17/2025	13:31	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	13:31	LB137929
	Calcium	234	+/-1000	U	2000	P	11/17/2025	13:31	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	13:31	LB137929
	Cobalt	2.26	+/-15	U	30.0	P	11/17/2025	13:31	LB137929
	Copper	4.60	+/-10	U	20.0	P	11/17/2025	13:31	LB137929
	Iron	23.4	+/-50	U	100	P	11/17/2025	13:31	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	13:31	LB137929
	Magnesium	244	+/-1000	U	2000	P	11/17/2025	13:31	LB137929
	Manganese	5.94	+/-10	U	20.0	P	11/17/2025	13:31	LB137929
	Nickel	3.06	+/-20	U	40.0	P	11/17/2025	13:31	LB137929
	Potassium	918	+/-1000	U	2000	P	11/17/2025	13:31	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	13:31	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	13:31	LB137929
	Sodium	868	+/-1000	U	2000	P	11/17/2025	13:31	LB137929
	Thallium	4.38	+/-20	U	40.0	P	11/17/2025	13:31	LB137929
	Vanadium	6.26	+/-20	U	40.0	P	11/17/2025	13:31	LB137929
	Zinc	16.7	+/-20	U	40.0	P	11/17/2025	13:31	LB137929

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Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	11/17/2025	14:01	LB137929
	Antimony	6.76	+/-25	U	50.0	P	11/17/2025	14:01	LB137929
	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	14:01	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	14:01	LB137929
	Beryllium	0.56	+/-3	U	6.00	P	11/17/2025	14:01	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	14:01	LB137929
	Calcium	234	+/-1000	U	2000	P	11/17/2025	14:01	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	14:01	LB137929
	Cobalt	2.26	+/-15	U	30.0	P	11/17/2025	14:01	LB137929
	Copper	4.60	+/-10	U	20.0	P	11/17/2025	14:01	LB137929
	Iron	23.4	+/-50	U	100	P	11/17/2025	14:01	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	14:01	LB137929
	Magnesium	244	+/-1000	U	2000	P	11/17/2025	14:01	LB137929
	Manganese	5.94	+/-10	U	20.0	P	11/17/2025	14:01	LB137929
	Nickel	3.06	+/-20	U	40.0	P	11/17/2025	14:01	LB137929
	Potassium	918	+/-1000	U	2000	P	11/17/2025	14:01	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	14:01	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	14:01	LB137929
	Sodium	868	+/-1000	U	2000	P	11/17/2025	14:01	LB137929
	Thallium	4.38	+/-20	U	40.0	P	11/17/2025	14:01	LB137929
	Vanadium	6.26	+/-20	U	40.0	P	11/17/2025	14:01	LB137929
	Zinc	16.7	+/-20	U	40.0	P	11/17/2025	14:01	LB137929
CCB02	Aluminum	11.3	+/-50	U	100	P	11/17/2025	14:51	LB137929
	Antimony	6.76	+/-25	U	50.0	P	11/17/2025	14:51	LB137929
	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	14:51	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	14:51	LB137929
	Beryllium	0.56	+/-3	U	6.00	P	11/17/2025	14:51	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	14:51	LB137929
	Calcium	234	+/-1000	U	2000	P	11/17/2025	14:51	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	14:51	LB137929
	Cobalt	2.26	+/-15	U	30.0	P	11/17/2025	14:51	LB137929
	Copper	4.60	+/-10	U	20.0	P	11/17/2025	14:51	LB137929
	Iron	23.4	+/-50	U	100	P	11/17/2025	14:51	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	14:51	LB137929
	Magnesium	244	+/-1000	U	2000	P	11/17/2025	14:51	LB137929
	Manganese	5.94	+/-10	U	20.0	P	11/17/2025	14:51	LB137929
	Nickel	3.06	+/-20	U	40.0	P	11/17/2025	14:51	LB137929
	Potassium	918	+/-1000	U	2000	P	11/17/2025	14:51	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	14:51	LB137929

Metals

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Client: HDR, Inc.

SDG No.: Q3649

Contract: HDRI08

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	11/17/2025	14:51	LB137929
	Sodium	868	+/-1000	U	2000	P	11/17/2025	14:51	LB137929
	Thallium	4.38	+/-20	U	40.0	P	11/17/2025	14:51	LB137929
	Vanadium	6.26	+/-20	U	40.0	P	11/17/2025	14:51	LB137929
	Zinc	16.7	+/-20	U	40.0	P	11/17/2025	14:51	LB137929
CCB03	Aluminum	11.9	+/-50	J	100	P	11/17/2025	15:48	LB137929
	Antimony	6.76	+/-25	U	50.0	P	11/17/2025	15:48	LB137929
	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	15:48	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	15:48	LB137929
	Beryllium	0.56	+/-3	U	6.00	P	11/17/2025	15:48	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	15:48	LB137929
	Calcium	234	+/-1000	U	2000	P	11/17/2025	15:48	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	15:48	LB137929
	Cobalt	2.26	+/-15	U	30.0	P	11/17/2025	15:48	LB137929
	Copper	4.60	+/-10	U	20.0	P	11/17/2025	15:48	LB137929
	Iron	23.4	+/-50	U	100	P	11/17/2025	15:48	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	15:48	LB137929
	Magnesium	244	+/-1000	U	2000	P	11/17/2025	15:48	LB137929
	Manganese	5.94	+/-10	U	20.0	P	11/17/2025	15:48	LB137929
	Nickel	3.06	+/-20	U	40.0	P	11/17/2025	15:48	LB137929
	Potassium	918	+/-1000	U	2000	P	11/17/2025	15:48	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	15:48	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	15:48	LB137929
	Sodium	868	+/-1000	U	2000	P	11/17/2025	15:48	LB137929
	Thallium	5.14	+/-20	J	40.0	P	11/17/2025	15:48	LB137929
	Vanadium	6.26	+/-20	U	40.0	P	11/17/2025	15:48	LB137929
	Zinc	16.7	+/-20	U	40.0	P	11/17/2025	15:48	LB137929
CCB04	Aluminum	11.3	+/-50	U	100	P	11/17/2025	16:38	LB137929
	Antimony	6.76	+/-25	U	50.0	P	11/17/2025	16:38	LB137929
	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	16:38	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	16:38	LB137929
	Beryllium	0.56	+/-3	U	6.00	P	11/17/2025	16:38	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	16:38	LB137929
	Calcium	234	+/-1000	U	2000	P	11/17/2025	16:38	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	16:38	LB137929
	Cobalt	2.26	+/-15	U	30.0	P	11/17/2025	16:38	LB137929
	Copper	4.60	+/-10	U	20.0	P	11/17/2025	16:38	LB137929
	Iron	23.4	+/-50	U	100	P	11/17/2025	16:38	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	16:38	LB137929

Metals

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Client: HDR, Inc.

SDG No.: Q3649

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CCB04	Magnesium	244	+/-1000	U	2000	P	11/17/2025	16:38	LB137929
	Manganese	5.94	+/-10	U	20.0	P	11/17/2025	16:38	LB137929
	Nickel	3.06	+/-20	U	40.0	P	11/17/2025	16:38	LB137929
	Potassium	918	+/-1000	U	2000	P	11/17/2025	16:38	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	16:38	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	16:38	LB137929
	Sodium	868	+/-1000	U	2000	P	11/17/2025	16:38	LB137929
	Thallium	4.38	+/-20	U	40.0	P	11/17/2025	16:38	LB137929
	Vanadium	6.26	+/-20	U	40.0	P	11/17/2025	16:38	LB137929
	Zinc	16.7	+/-20	U	40.0	P	11/17/2025	16:38	LB137929
CCB05	Aluminum	11.3	+/-50	U	100	P	11/17/2025	17:28	LB137929
	Antimony	6.76	+/-25	U	50.0	P	11/17/2025	17:28	LB137929
	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	17:28	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	17:28	LB137929
	Beryllium	0.56	+/-3	U	6.00	P	11/17/2025	17:28	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	17:28	LB137929
	Calcium	234	+/-1000	U	2000	P	11/17/2025	17:28	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	17:28	LB137929
	Cobalt	2.26	+/-15	U	30.0	P	11/17/2025	17:28	LB137929
	Copper	4.60	+/-10	U	20.0	P	11/17/2025	17:28	LB137929
	Iron	23.4	+/-50	U	100	P	11/17/2025	17:28	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	17:28	LB137929
	Magnesium	244	+/-1000	U	2000	P	11/17/2025	17:28	LB137929
	Manganese	5.94	+/-10	U	20.0	P	11/17/2025	17:28	LB137929
	Nickel	3.06	+/-20	U	40.0	P	11/17/2025	17:28	LB137929
	Potassium	918	+/-1000	U	2000	P	11/17/2025	17:28	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	17:28	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	17:28	LB137929
	Sodium	868	+/-1000	U	2000	P	11/17/2025	17:28	LB137929
	Thallium	5.18	+/-20	J	40.0	P	11/17/2025	17:28	LB137929
	Vanadium	6.26	+/-20	U	40.0	P	11/17/2025	17:28	LB137929
	Zinc	16.7	+/-20	U	40.0	P	11/17/2025	17:28	LB137929
CCB06	Aluminum	11.3	+/-50	U	100	P	11/17/2025	18:19	LB137929
	Antimony	6.76	+/-25	U	50.0	P	11/17/2025	18:19	LB137929
	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	18:19	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	18:19	LB137929
	Beryllium	0.56	+/-3	U	6.00	P	11/17/2025	18:19	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	18:19	LB137929
	Calcium	234	+/-1000	U	2000	P	11/17/2025	18:19	LB137929

Metals

- 3a -

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Client: HDR, Inc.

SDG No.: Q3649

Contract: HDRI08

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	18:19	LB137929
	Cobalt	2.26	+/-15	U	30.0	P	11/17/2025	18:19	LB137929
	Copper	4.60	+/-10	U	20.0	P	11/17/2025	18:19	LB137929
	Iron	23.4	+/-50	U	100	P	11/17/2025	18:19	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	18:19	LB137929
	Magnesium	244	+/-1000	U	2000	P	11/17/2025	18:19	LB137929
	Manganese	5.94	+/-10	U	20.0	P	11/17/2025	18:19	LB137929
	Nickel	3.06	+/-20	U	40.0	P	11/17/2025	18:19	LB137929
	Potassium	918	+/-1000	U	2000	P	11/17/2025	18:19	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	18:19	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	18:19	LB137929
	Sodium	868	+/-1000	U	2000	P	11/17/2025	18:19	LB137929
	Thallium	4.38	+/-20	U	40.0	P	11/17/2025	18:19	LB137929
	Vanadium	6.26	+/-20	U	40.0	P	11/17/2025	18:19	LB137929
	Zinc	16.7	+/-20	U	40.0	P	11/17/2025	18:19	LB137929
CCB07	Aluminum	11.3	+/-50	U	100	P	11/17/2025	19:11	LB137929
	Antimony	6.76	+/-25	U	50.0	P	11/17/2025	19:11	LB137929
	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	19:11	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	19:11	LB137929
	Beryllium	0.56	+/-3	U	6.00	P	11/17/2025	19:11	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	19:11	LB137929
	Calcium	234	+/-1000	U	2000	P	11/17/2025	19:11	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	19:11	LB137929
	Cobalt	2.26	+/-15	U	30.0	P	11/17/2025	19:11	LB137929
	Copper	4.60	+/-10	U	20.0	P	11/17/2025	19:11	LB137929
	Iron	23.4	+/-50	U	100	P	11/17/2025	19:11	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	19:11	LB137929
	Magnesium	244	+/-1000	U	2000	P	11/17/2025	19:11	LB137929
	Manganese	5.94	+/-10	U	20.0	P	11/17/2025	19:11	LB137929
	Nickel	3.06	+/-20	U	40.0	P	11/17/2025	19:11	LB137929
	Potassium	918	+/-1000	U	2000	P	11/17/2025	19:11	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	19:11	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	19:11	LB137929
	Sodium	868	+/-1000	U	2000	P	11/17/2025	19:11	LB137929
	Thallium	4.38	+/-20	U	40.0	P	11/17/2025	19:11	LB137929
	Vanadium	6.26	+/-20	U	40.0	P	11/17/2025	19:11	LB137929
	Zinc	16.7	+/-20	U	40.0	P	11/17/2025	19:11	LB137929
CCB08	Aluminum	11.3	+/-50	U	100	P	11/17/2025	19:28	LB137929
	Antimony	6.76	+/-25	U	50.0	P	11/17/2025	19:28	LB137929

Metals

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SDG No.: Q3649

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CCB08	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	19:28	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	19:28	LB137929
	Beryllium	0.56	+/-3	U	6.00	P	11/17/2025	19:28	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	19:28	LB137929
	Calcium	234	+/-1000	U	2000	P	11/17/2025	19:28	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	19:28	LB137929
	Cobalt	2.26	+/-15	U	30.0	P	11/17/2025	19:28	LB137929
	Copper	4.60	+/-10	U	20.0	P	11/17/2025	19:28	LB137929
	Iron	23.4	+/-50	U	100	P	11/17/2025	19:28	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	19:28	LB137929
	Magnesium	244	+/-1000	U	2000	P	11/17/2025	19:28	LB137929
	Manganese	5.94	+/-10	U	20.0	P	11/17/2025	19:28	LB137929
	Nickel	3.06	+/-20	U	40.0	P	11/17/2025	19:28	LB137929
	Potassium	918	+/-1000	U	2000	P	11/17/2025	19:28	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	19:28	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	19:28	LB137929
	Sodium	868	+/-1000	U	2000	P	11/17/2025	19:28	LB137929
	Thallium	4.38	+/-20	U	40.0	P	11/17/2025	19:28	LB137929
	Vanadium	6.26	+/-20	U	40.0	P	11/17/2025	19:28	LB137929
	Zinc	16.7	+/-20	U	40.0	P	11/17/2025	19:28	LB137929
CCB09	Aluminum	11.3	+/-50	U	100	P	11/17/2025	20:02	LB137929
	Antimony	6.76	+/-25	U	50.0	P	11/17/2025	20:02	LB137929
	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	20:02	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	20:02	LB137929
	Beryllium	0.56	+/-3	U	6.00	P	11/17/2025	20:02	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	20:02	LB137929
	Calcium	234	+/-1000	U	2000	P	11/17/2025	20:02	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	20:02	LB137929
	Cobalt	2.26	+/-15	U	30.0	P	11/17/2025	20:02	LB137929
	Copper	4.60	+/-10	U	20.0	P	11/17/2025	20:02	LB137929
	Iron	23.4	+/-50	U	100	P	11/17/2025	20:02	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	20:02	LB137929
	Magnesium	244	+/-1000	U	2000	P	11/17/2025	20:02	LB137929
	Manganese	5.94	+/-10	U	20.0	P	11/17/2025	20:02	LB137929
	Nickel	3.06	+/-20	U	40.0	P	11/17/2025	20:02	LB137929
	Potassium	918	+/-1000	U	2000	P	11/17/2025	20:02	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	20:02	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	20:02	LB137929
	Sodium	868	+/-1000	U	2000	P	11/17/2025	20:02	LB137929

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc.

SDG No.: Q3649

Contract: HDRI08

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	4.38	+/-20	U	40.0	P	11/17/2025	20:02	LB137929
	Vanadium	6.26	+/-20	U	40.0	P	11/17/2025	20:02	LB137929
	Zinc	16.7	+/-20	U	40.0	P	11/17/2025	20:02	LB137929