

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB135892 SDG No.: LB135892
Contract: _____ Lab Code: CHEM Case No.: LB135892 SAS No.: LB135892
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2484.32	2500	99.4	.5605868	90 - 110	P	05/22/2025	15:00	LB135892
	Antimony	1014	1000	101.4	.1656301	90 - 110	P	05/22/2025	15:00	LB135892
	Arsenic	1037.29	1000	103.7	.0391533	90 - 110	P	05/22/2025	15:00	LB135892
	Barium	520.738	520	100.1	.1270814	90 - 110	P	05/22/2025	15:00	LB135892
	Beryllium	476.54	510	93.4	.4530645	90 - 110	P	05/22/2025	15:00	LB135892
	Cadmium	516.281	510	101.2	.3536114	90 - 110	P	05/22/2025	15:00	LB135892
	Calcium	10005.7	10000	100.1	.1865792	90 - 110	P	05/22/2025	15:00	LB135892
	Chromium	531.688	520	102.2	.1296073	90 - 110	P	05/22/2025	15:00	LB135892
	Cobalt	519.776	520	100	.2002666	90 - 110	P	05/22/2025	15:00	LB135892
	Copper	540.091	510	105.9	.0927657	90 - 110	P	05/22/2025	15:00	LB135892
	Iron	10889.8	10000	108.9	.5659536	90 - 110	P	05/22/2025	15:00	LB135892
	Lead	999.785	1000	100	.3757002	90 - 110	P	05/22/2025	15:00	LB135892
	Magnesium	5834.18	6000	97.2	.8731204	90 - 110	P	05/22/2025	15:00	LB135892
	Manganese	515.211	520	99.1	.1787517	90 - 110	P	05/22/2025	15:00	LB135892
	Nickel	522.096	530	98.5	.2030563	90 - 110	P	05/22/2025	15:00	LB135892
	Potassium	10323.3	9900	104.3	.5400801	90 - 110	P	05/22/2025	15:00	LB135892
	Selenium	1065.59	1000	106.6	.7067036	90 - 110	P	05/22/2025	15:00	LB135892
	Silver	268.068	250	107.2	.5286315	90 - 110	P	05/22/2025	15:00	LB135892
	Sodium	10542.6	10000	105.4	.2443042	90 - 110	P	05/22/2025	15:00	LB135892
	Thallium	1071.85	1000	107.2	.4069157	90 - 110	P	05/22/2025	15:00	LB135892
	Vanadium	497.516	500	99.5	.1741057	90 - 110	P	05/22/2025	15:00	LB135892
	Zinc	1055.69	1000	105.6	.1283703	90 - 110	P	05/22/2025	15:00	LB135892

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Contract: _____ Lab Code: CHEM Case No.: LB135892 SAS No.: LB135892
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Sample ID	Analyte	Result ug/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	115.016	100	115	7.857204	80 - 120	P	05/22/2025	15:16	LB135892
	Antimony	53.5142	50	107	1.944477	80 - 120	P	05/22/2025	15:16	LB135892
	Arsenic	17.5601	20	87.8	9.607255	80 - 120	P	05/22/2025	15:16	LB135892
	Barium	105.493	100	105.5	.8063656	80 - 120	P	05/22/2025	15:16	LB135892
	Beryllium	5.9777	6	99.6	1.022264	80 - 120	P	05/22/2025	15:16	LB135892
	Cadmium	6.2427	6	104	.6070997	80 - 120	P	05/22/2025	15:16	LB135892
	Calcium	2098.34	2000	104.9	.6526315	80 - 120	P	05/22/2025	15:16	LB135892
	Chromium	9.8636	10	98.6	1.375230	80 - 120	P	05/22/2025	15:16	LB135892
	Cobalt	30.4972	30	101.7	.5744392	80 - 120	P	05/22/2025	15:16	LB135892
	Copper	23.9088	20	119.5	.8906235	80 - 120	P	05/22/2025	15:16	LB135892
	Iron	112.669	100	112.7	3.394002	80 - 120	P	05/22/2025	15:16	LB135892
	Lead	11.1449	12	92.9	10.69888	80 - 120	P	05/22/2025	15:16	LB135892
	Magnesium	2173.54	2000	108.7	.2583332	80 - 120	P	05/22/2025	15:16	LB135892
	Manganese	21.6882	20	108.4	.9318247	80 - 120	P	05/22/2025	15:16	LB135892
	Nickel	40.7503	40	101.9	.7890785	80 - 120	P	05/22/2025	15:16	LB135892
	Potassium	2081.11	2000	104.1	.7926836	80 - 120	P	05/22/2025	15:16	LB135892
	Selenium	18.3947	20	92	9.930211	80 - 120	P	05/22/2025	15:16	LB135892
	Silver	9.7399	10	97.4	.8893146	80 - 120	P	05/22/2025	15:16	LB135892
	Sodium	2115.81	2000	105.8	.2891327	80 - 120	P	05/22/2025	15:16	LB135892
	Thallium	40.8364	40	102.1	2.609322	80 - 120	P	05/22/2025	15:16	LB135892
	Vanadium	42.4657	40	106.2	.7999156	80 - 120	P	05/22/2025	15:16	LB135892
	Zinc	45.3938	40	113.5	1.384762	80 - 120	P	05/22/2025	15:16	LB135892

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Client: LB135892 SDG No.: LB135892
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Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9516.91	10000	95.2	.1441106	90 - 110	P	05/22/2025	15:51	LB135892
	Antimony	4888.84	5000	97.8	.1691194	90 - 110	P	05/22/2025	15:51	LB135892
	Arsenic	4832.08	5000	96.6	.1306465	90 - 110	P	05/22/2025	15:51	LB135892
	Barium	10002.7	10000	100	.5895876	90 - 110	P	05/22/2025	15:51	LB135892
	Beryllium	226.783	250	90.7	.1791024	90 - 110	P	05/22/2025	15:51	LB135892
	Cadmium	2369.45	2500	94.8	.2846542	90 - 110	P	05/22/2025	15:51	LB135892
	Calcium	23956.8	25000	95.8	.1082331	90 - 110	P	05/22/2025	15:51	LB135892
	Chromium	961.569	1000	96.2	.0746222	90 - 110	P	05/22/2025	15:51	LB135892
	Cobalt	2377.05	2500	95.1	.1244334	90 - 110	P	05/22/2025	15:51	LB135892
	Copper	1224.82	1250	98	.1935065	90 - 110	P	05/22/2025	15:51	LB135892
	Iron	5074.17	5000	101.5	.4324156	90 - 110	P	05/22/2025	15:51	LB135892
	Lead	4779.8	5000	95.6	.2374414	90 - 110	P	05/22/2025	15:51	LB135892
	Magnesium	23450.8	25000	93.8	.2479880	90 - 110	P	05/22/2025	15:51	LB135892
	Manganese	2383.93	2500	95.4	.1067865	90 - 110	P	05/22/2025	15:51	LB135892
	Nickel	2383.2	2500	95.3	.1971687	90 - 110	P	05/22/2025	15:51	LB135892
	Potassium	24874.6	25000	99.5	.3859634	90 - 110	P	05/22/2025	15:51	LB135892
	Selenium	4871.31	5000	97.4	.3127628	90 - 110	P	05/22/2025	15:51	LB135892
	Silver	1213.91	1250	97.1	.1047818	90 - 110	P	05/22/2025	15:51	LB135892
	Sodium	25346	25000	101.4	.4419368	90 - 110	P	05/22/2025	15:51	LB135892
	Thallium	4883.32	5000	97.7	.7057607	90 - 110	P	05/22/2025	15:51	LB135892
	Vanadium	2426.18	2500	97	.3026274	90 - 110	P	05/22/2025	15:51	LB135892
	Zinc	2433.71	2500	97.3	.1507922	90 - 110	P	05/22/2025	15:51	LB135892
CCV02	Aluminum	9603.69	10000	96	.1587752	90 - 110	P	05/22/2025	16:38	LB135892
	Antimony	4843.97	5000	96.9	.3185734	90 - 110	P	05/22/2025	16:38	LB135892
	Arsenic	4823.25	5000	96.5	.3035322	90 - 110	P	05/22/2025	16:38	LB135892
	Barium	9365.78	10000	93.7	.8980554	90 - 110	P	05/22/2025	16:38	LB135892
	Beryllium	247.626	250	99.1	.5506845	90 - 110	P	05/22/2025	16:38	LB135892
	Cadmium	2367	2500	94.7	.1457492	90 - 110	P	05/22/2025	16:38	LB135892
	Calcium	23686.6	25000	94.7	.2227394	90 - 110	P	05/22/2025	16:38	LB135892
	Chromium	960.891	1000	96.1	.3325050	90 - 110	P	05/22/2025	16:38	LB135892
	Cobalt	2362.95	2500	94.5	.1044424	90 - 110	P	05/22/2025	16:38	LB135892
	Copper	1217.27	1250	97.4	.2539734	90 - 110	P	05/22/2025	16:38	LB135892
	Iron	4679.01	5000	93.6	.4591200	90 - 110	P	05/22/2025	16:38	LB135892

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Lead	4766.82	5000	95.3	.1330087	90 - 110	P	05/22/2025	16:38	LB135892
	Magnesium	23725.6	25000	94.9	.1960030	90 - 110	P	05/22/2025	16:38	LB135892
	Manganese	2392.53	2500	95.7	.1113958	90 - 110	P	05/22/2025	16:38	LB135892
	Nickel	2374.42	2500	95	.1765417	90 - 110	P	05/22/2025	16:38	LB135892
	Potassium	23489.5	25000	94	.4611898	90 - 110	P	05/22/2025	16:38	LB135892
	Selenium	4846.7	5000	96.9	.3654060	90 - 110	P	05/22/2025	16:38	LB135892
	Silver	1204.55	1250	96.4	.3058800	90 - 110	P	05/22/2025	16:38	LB135892
	Sodium	23348	25000	93.4	.6332724	90 - 110	P	05/22/2025	16:38	LB135892
	Thallium	4850.99	5000	97	1.122540	90 - 110	P	05/22/2025	16:38	LB135892
	Vanadium	2383.6	2500	95.3	.1350355	90 - 110	P	05/22/2025	16:38	LB135892
	Zinc	2425.86	2500	97	.4034789	90 - 110	P	05/22/2025	16:38	LB135892
CCV03	Aluminum	9205.62	10000	92.1	.0374955	90 - 110	P	05/22/2025	17:28	LB135892
	Antimony	4656.88	5000	93.1	.7091789	90 - 110	P	05/22/2025	17:28	LB135892
	Arsenic	4674.43	5000	93.5	.5542242	90 - 110	P	05/22/2025	17:28	LB135892
	Barium	9344.34	10000	93.4	.3621800	90 - 110	P	05/22/2025	17:28	LB135892
	Beryllium	234.871	250	93.9	.4983935	90 - 110	P	05/22/2025	17:28	LB135892
	Cadmium	2337.47	2500	93.5	.1703535	90 - 110	P	05/22/2025	17:28	LB135892
	Calcium	23315.7	25000	93.3	.4191487	90 - 110	P	05/22/2025	17:28	LB135892
	Chromium	954.862	1000	95.5	2.707535	90 - 110	P	05/22/2025	17:28	LB135892
	Cobalt	2328.16	2500	93.1	.1433618	90 - 110	P	05/22/2025	17:28	LB135892
	Copper	1175.74	1250	94.1	.3203230	90 - 110	P	05/22/2025	17:28	LB135892
	Iron	4761.56	5000	95.2	2.182191	90 - 110	P	05/22/2025	17:28	LB135892
	Lead	4675.41	5000	93.5	.2023177	90 - 110	P	05/22/2025	17:28	LB135892
	Magnesium	23289.2	25000	93.2	.1686504	90 - 110	P	05/22/2025	17:28	LB135892
	Manganese	2338.76	2500	93.6	.2184335	90 - 110	P	05/22/2025	17:28	LB135892
	Nickel	2332.11	2500	93.3	.2025128	90 - 110	P	05/22/2025	17:28	LB135892
	Potassium	23213.9	25000	92.9	2.202522	90 - 110	P	05/22/2025	17:28	LB135892
	Selenium	4683.05	5000	93.7	.6218887	90 - 110	P	05/22/2025	17:28	LB135892
	Silver	1174.61	1250	94	2.687941	90 - 110	P	05/22/2025	17:28	LB135892
	Sodium	23278.8	25000	93.1	2.414440	90 - 110	P	05/22/2025	17:28	LB135892
	Thallium	4713.31	5000	94.3	1.151068	90 - 110	P	05/22/2025	17:28	LB135892
	Vanadium	2327.95	2500	93.1	.1236381	90 - 110	P	05/22/2025	17:28	LB135892
	Zinc	2349.72	2500	94	2.913608	90 - 110	P	05/22/2025	17:28	LB135892

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Aluminum	9973.02	10000	99.7	.3489392	90 - 110	P	05/22/2025	19:08	LB135892
	Antimony	4920.36	5000	98.4	1.504368	90 - 110	P	05/22/2025	19:08	LB135892
	Arsenic	4982.57	5000	99.7	1.209962	90 - 110	P	05/22/2025	19:08	LB135892
	Barium	10145.1	10000	101.5	.3549152	90 - 110	P	05/22/2025	19:08	LB135892
	Beryllium	257.532	250	103	.9002042	90 - 110	P	05/22/2025	19:08	LB135892
	Cadmium	2424.19	2500	97	.2435517	90 - 110	P	05/22/2025	19:08	LB135892
	Calcium	25193.6	25000	100.8	.3037982	90 - 110	P	05/22/2025	19:08	LB135892
	Chromium	996.038	1000	99.6	.1456488	90 - 110	P	05/22/2025	19:08	LB135892
	Cobalt	2435.53	2500	97.4	.3966242	90 - 110	P	05/22/2025	19:08	LB135892
	Copper	1246.95	1250	99.8	.9030872	90 - 110	P	05/22/2025	19:08	LB135892
	Iron	4881.68	5000	97.6	.4692756	90 - 110	P	05/22/2025	19:08	LB135892
	Lead	4828.51	5000	96.6	.2661676	90 - 110	P	05/22/2025	19:08	LB135892
	Magnesium	24777.2	25000	99.1	.3880407	90 - 110	P	05/22/2025	19:08	LB135892
	Manganese	2453.82	2500	98.2	.3582606	90 - 110	P	05/22/2025	19:08	LB135892
	Nickel	2437	2500	97.5	.3340662	90 - 110	P	05/22/2025	19:08	LB135892
	Potassium	24045.3	25000	96.2	1.046318	90 - 110	P	05/22/2025	19:08	LB135892
	Selenium	4984.93	5000	99.7	1.387857	90 - 110	P	05/22/2025	19:08	LB135892
	Silver	1247.97	1250	99.8	.2675032	90 - 110	P	05/22/2025	19:08	LB135892
	Sodium	24502.1	25000	98	1.134701	90 - 110	P	05/22/2025	19:08	LB135892
	Thallium	4732.97	5000	94.7	.9302312	90 - 110	P	05/22/2025	19:08	LB135892
	Vanadium	2492.35	2500	99.7	.1649062	90 - 110	P	05/22/2025	19:08	LB135892
	Zinc	2517.07	2500	100.7	.1919052	90 - 110	P	05/22/2025	19:08	LB135892



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

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

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Contract: _____ Lab Code: CHEM Case No.: LB135892 SAS No.: LB135892

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	6.0068	+/-100	U	100	P	05/22/2025	15:20	LB135892
	Antimony	-0.616	+/-50.0	U	50.0	P	05/22/2025	15:20	LB135892
	Arsenic	-2.027	+/-20.0	U	20.0	P	05/22/2025	15:20	LB135892
	Barium	-0.773	+/-100	U	100	P	05/22/2025	15:20	LB135892
	Beryllium	-0.038	+/-6.0	U	6.0	P	05/22/2025	15:20	LB135892
	Cadmium	0.0562	+/-6.0	U	6.0	P	05/22/2025	15:20	LB135892
	Calcium	5.8418	+/-2000	U	2000	P	05/22/2025	15:20	LB135892
	Chromium	-0.061	+/-10.0	U	10.0	P	05/22/2025	15:20	LB135892
	Cobalt	0.1464	+/-30.0	U	30.0	P	05/22/2025	15:20	LB135892
	Copper	-0.131	+/-20.0	U	20.0	P	05/22/2025	15:20	LB135892
	Iron	23.2749	+/-100	U	100	P	05/22/2025	15:20	LB135892
	Lead	-0.32	+/-12.0	U	12.0	P	05/22/2025	15:20	LB135892
	Magnesium	16.3339	+/-2000	U	2000	P	05/22/2025	15:20	LB135892
	Manganese	0.0113	+/-20.0	U	20.0	P	05/22/2025	15:20	LB135892
	Nickel	0.0782	+/-40.0	U	40.0	P	05/22/2025	15:20	LB135892
	Potassium	-34.514	+/-2000	U	2000	P	05/22/2025	15:20	LB135892
	Selenium	-4.723	+/-20.0	U	20.0	P	05/22/2025	15:20	LB135892
	Silver	-0.457	+/-10.0	U	10.0	P	05/22/2025	15:20	LB135892
	Sodium	-27.969	+/-2000	U	2000	P	05/22/2025	15:20	LB135892
	Thallium	-2.01	+/-40.0	U	40.0	P	05/22/2025	15:20	LB135892
	Vanadium	0.4277	+/-40.0	U	40.0	P	05/22/2025	15:20	LB135892
	Zinc	1.1518	+/-40.0	U	40.0	P	05/22/2025	15:20	LB135892

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Contract: _____	Lab Code: <u>CHEM</u>	Case No.: <u>LB135892</u>	SAS No.: <u>LB135892</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	10.6194	+/-100	U	100	P	05/22/2025	15:55	LB135892
	Antimony	-0.918	+/-50.0	U	50.0	P	05/22/2025	15:55	LB135892
	Arsenic	-3.773	+/-20.0	U	20.0	P	05/22/2025	15:55	LB135892
	Barium	1.5053	+/-100	U	100	P	05/22/2025	15:55	LB135892
	Beryllium	0.022	+/-6.0	U	6.0	P	05/22/2025	15:55	LB135892
	Cadmium	0.2132	+/-6.0	U	6.0	P	05/22/2025	15:55	LB135892
	Calcium	11.915	+/-2000	U	2000	P	05/22/2025	15:55	LB135892
	Chromium	-0.025	+/-10.0	U	10.0	P	05/22/2025	15:55	LB135892
	Cobalt	0.3897	+/-30.0	U	30.0	P	05/22/2025	15:55	LB135892
	Copper	-0.112	+/-20.0	U	20.0	P	05/22/2025	15:55	LB135892
	Iron	13.1599	+/-100	U	100	P	05/22/2025	15:55	LB135892
	Lead	0.1461	+/-12.0	U	12.0	P	05/22/2025	15:55	LB135892
	Magnesium	10.4967	+/-2000	U	2000	P	05/22/2025	15:55	LB135892
	Manganese	0.8648	+/-20.0	U	20.0	P	05/22/2025	15:55	LB135892
	Nickel	0.1898	+/-40.0	U	40.0	P	05/22/2025	15:55	LB135892
	Potassium	-34.528	+/-2000	U	2000	P	05/22/2025	15:55	LB135892
	Selenium	-0.684	+/-20.0	U	20.0	P	05/22/2025	15:55	LB135892
	Silver	-0.201	+/-10.0	U	10.0	P	05/22/2025	15:55	LB135892
	Sodium	-50.405	+/-2000	U	2000	P	05/22/2025	15:55	LB135892
	Thallium	-2.117	+/-40.0	U	40.0	P	05/22/2025	15:55	LB135892
	Vanadium	0.5338	+/-40.0	U	40.0	P	05/22/2025	15:55	LB135892
	Zinc	8.8837	+/-40.0	U	40.0	P	05/22/2025	15:55	LB135892
CCB02	Aluminum	4.0945	+/-100	U	100	P	05/22/2025	16:43	LB135892
	Antimony	1.8558	+/-50.0	U	50.0	P	05/22/2025	16:43	LB135892
	Arsenic	-3.309	+/-20.0	U	20.0	P	05/22/2025	16:43	LB135892
	Barium	1.3808	+/-100	U	100	P	05/22/2025	16:43	LB135892
	Beryllium	0.0353	+/-6.0	U	6.0	P	05/22/2025	16:43	LB135892
	Cadmium	0.2282	+/-6.0	U	6.0	P	05/22/2025	16:43	LB135892
	Calcium	9.2239	+/-2000	U	2000	P	05/22/2025	16:43	LB135892
	Chromium	0.0734	+/-10.0	U	10.0	P	05/22/2025	16:43	LB135892
	Cobalt	0.3766	+/-30.0	U	30.0	P	05/22/2025	16:43	LB135892
	Copper	0.5694	+/-20.0	U	20.0	P	05/22/2025	16:43	LB135892
	Iron	15.3904	+/-100	U	100	P	05/22/2025	16:43	LB135892
	Lead	-0.08	+/-12.0	U	12.0	P	05/22/2025	16:43	LB135892
	Magnesium	17.3676	+/-2000	U	2000	P	05/22/2025	16:43	LB135892
	Manganese	0.8649	+/-20.0	U	20.0	P	05/22/2025	16:43	LB135892
	Nickel	0.2963	+/-40.0	U	40.0	P	05/22/2025	16:43	LB135892
	Potassium	-8.361	+/-2000	U	2000	P	05/22/2025	16:43	LB135892
	Selenium	-3.2	+/-20.0	U	20.0	P	05/22/2025	16:43	LB135892

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>LB135892</u>		SDG No.: <u>LB135892</u>							
Contract: _____	Lab Code: <u>CHEM</u>	Case No.: <u>LB135892</u>	SAS No.: <u>LB135892</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	-0.216	+/-10.0	U	10.0	P	05/22/2025	16:43	LB135892
	Sodium	-50.334	+/-2000	U	2000	P	05/22/2025	16:43	LB135892
	Thallium	0.2711	+/-40.0	U	40.0	P	05/22/2025	16:43	LB135892
	Vanadium	0.454	+/-40.0	U	40.0	P	05/22/2025	16:43	LB135892
	Zinc	3.7726	+/-40.0	U	40.0	P	05/22/2025	16:43	LB135892
CCB03	Aluminum	4.8017	+/-100	U	100	P	05/22/2025	17:32	LB135892
	Antimony	0.8512	+/-50.0	U	50.0	P	05/22/2025	17:32	LB135892
	Arsenic	-1.14	+/-20.0	U	20.0	P	05/22/2025	17:32	LB135892
	Barium	2.7316	+/-100	U	100	P	05/22/2025	17:32	LB135892
	Beryllium	0.0412	+/-6.0	U	6.0	P	05/22/2025	17:32	LB135892
	Cadmium	0.1642	+/-6.0	U	6.0	P	05/22/2025	17:32	LB135892
	Calcium	17.6152	+/-2000	U	2000	P	05/22/2025	17:32	LB135892
	Chromium	0.2924	+/-10.0	U	10.0	P	05/22/2025	17:32	LB135892
	Cobalt	0.4636	+/-30.0	U	30.0	P	05/22/2025	17:32	LB135892
	Copper	0.3962	+/-20.0	U	20.0	P	05/22/2025	17:32	LB135892
	Iron	14.2225	+/-100	U	100	P	05/22/2025	17:32	LB135892
	Lead	-0.314	+/-12.0	U	12.0	P	05/22/2025	17:32	LB135892
	Magnesium	19.7636	+/-2000	U	2000	P	05/22/2025	17:32	LB135892
	Manganese	1.0767	+/-20.0	U	20.0	P	05/22/2025	17:32	LB135892
	Nickel	0.1957	+/-40.0	U	40.0	P	05/22/2025	17:32	LB135892
	Potassium	44.5313	+/-2000	U	2000	P	05/22/2025	17:32	LB135892
	Selenium	-2.9	+/-20.0	U	20.0	P	05/22/2025	17:32	LB135892
	Silver	-0.26	+/-10.0	U	10.0	P	05/22/2025	17:32	LB135892
	Sodium	71.1816	+/-2000	U	2000	P	05/22/2025	17:32	LB135892
	Thallium	-0.864	+/-40.0	U	40.0	P	05/22/2025	17:32	LB135892
	Vanadium	0.9508	+/-40.0	U	40.0	P	05/22/2025	17:32	LB135892
	Zinc	8.3958	+/-40.0	U	40.0	P	05/22/2025	17:32	LB135892
CCB04	Aluminum	2.3178	+/-100	U	100	P	05/22/2025	19:12	LB135892
	Antimony	-0.334	+/-50.0	U	50.0	P	05/22/2025	19:12	LB135892
	Arsenic	-3.056	+/-20.0	U	20.0	P	05/22/2025	19:12	LB135892
	Barium	2.3129	+/-100	U	100	P	05/22/2025	19:12	LB135892
	Beryllium	0.0413	+/-6.0	U	6.0	P	05/22/2025	19:12	LB135892
	Cadmium	0.1651	+/-6.0	U	6.0	P	05/22/2025	19:12	LB135892
	Calcium	-6.629	+/-2000	U	2000	P	05/22/2025	19:12	LB135892
	Chromium	0.3013	+/-10.0	U	10.0	P	05/22/2025	19:12	LB135892
	Cobalt	0.2367	+/-30.0	U	30.0	P	05/22/2025	19:12	LB135892
	Copper	0.3037	+/-20.0	U	20.0	P	05/22/2025	19:12	LB135892
	Iron	0.7132	+/-100	U	100	P	05/22/2025	19:12	LB135892
	Lead	-0.179	+/-12.0	U	12.0	P	05/22/2025	19:12	LB135892

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB135892 SDG No.: LB135892
Contract: _____ Lab Code: CHEM Case No.: LB135892 SAS No.: LB135892

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	17.4604	+/-2000	U	2000	P	05/22/2025	19:12	LB135892
	Manganese	-0.121	+/-20.0	U	20.0	P	05/22/2025	19:12	LB135892
	Nickel	0.2757	+/-40.0	U	40.0	P	05/22/2025	19:12	LB135892
	Potassium	-18.692	+/-2000	U	2000	P	05/22/2025	19:12	LB135892
	Selenium	-4.528	+/-20.0	U	20.0	P	05/22/2025	19:12	LB135892
	Silver	-0.307	+/-10.0	U	10.0	P	05/22/2025	19:12	LB135892
	Sodium	-5.513	+/-2000	U	2000	P	05/22/2025	19:12	LB135892
	Thallium	-1.45	+/-40.0	U	40.0	P	05/22/2025	19:12	LB135892
	Vanadium	-0.398	+/-40.0	U	40.0	P	05/22/2025	19:12	LB135892
	Zinc	-0.428	+/-40.0	U	40.0	P	05/22/2025	19:12	LB135892

Metals
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PREPARATION BLANK SUMMARY

Client: LB135892

SDG No.: LB135892

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168106BL	SOLID			Batch Number:	PB168106		Prep Date:	05/21/2025	
	Aluminum	0.463	<5	U	5	P	05/22/2025	16:33	LB135892
	Antimony	0.014	<2.5	U	2.5	P	05/22/2025	16:33	LB135892
	Arsenic	0.246	<1	U	1	P	05/22/2025	16:33	LB135892
	Barium	0.034	<5	U	5	P	05/22/2025	16:33	LB135892
	Beryllium	0.001	<0.3	U	0.3	P	05/22/2025	16:33	LB135892
	Cadmium	0.003	<0.3	U	0.3	P	05/22/2025	16:33	LB135892
	Calcium	0.081	<100	U	100	P	05/22/2025	16:33	LB135892
	Chromium	0.001	<0.5	U	0.5	P	05/22/2025	16:33	LB135892
	Cobalt	0.01	<1.5	U	1.5	P	05/22/2025	16:33	LB135892
	Copper	0.001	<1	U	1	P	05/22/2025	16:33	LB135892
	Iron	0.408	<5	U	5	P	05/22/2025	16:33	LB135892
	Lead	0.014	<0.6	U	0.6	P	05/22/2025	16:33	LB135892
	Magnesium	0.788	<100	U	100	P	05/22/2025	16:33	LB135892
	Manganese	0.014	<1	U	1	P	05/22/2025	16:33	LB135892
	Nickel	0.002	<2	U	2	P	05/22/2025	16:33	LB135892
	Potassium	2.13	<100	U	100	P	05/22/2025	16:33	LB135892
	Selenium	0.228	<1	U	1	P	05/22/2025	16:33	LB135892
	Silver	0.026	<0.5	U	0.5	P	05/22/2025	16:33	LB135892
	Sodium	3.39	<100	U	100	P	05/22/2025	16:33	LB135892
	Thallium	0.01	<2	U	2	P	05/22/2025	16:33	LB135892
	Vanadium	0.009	<2	U	2	P	05/22/2025	16:33	LB135892
	Zinc	0.089	<2	U	2	P	05/22/2025	16:33	LB135892
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168113BL	WATER			Batch Number:	PB168113		Prep Date:	05/21/2025	
	Aluminum	87.9	<500	J	500	P	05/22/2025	16:25	LB135892
	Antimony	4.49	<250	U	250	P	05/22/2025	16:25	LB135892
	Arsenic	25.4	<100	U	100	P	05/22/2025	16:25	LB135892
	Barium	3.12	<500	U	500	P	05/22/2025	16:25	LB135892
	Beryllium	0.051	<30	U	30	P	05/22/2025	16:25	LB135892
	Cadmium	0.406	<30	U	30	P	05/22/2025	16:25	LB135892
	Calcium	7.47	<10000	U	10000	P	05/22/2025	16:25	LB135892
	Chromium	0.6	<50	U	50	P	05/22/2025	16:25	LB135892
	Cobalt	1.49	<150	U	150	P	05/22/2025	16:25	LB135892
	Copper	0.717	<100	U	100	P	05/22/2025	16:25	LB135892
	Iron	189	<500	J	500	P	05/22/2025	16:25	LB135892
	Lead	1.44	<60	U	60	P	05/22/2025	16:25	LB135892
	Magnesium	70.1	<10000	U	10000	P	05/22/2025	16:25	LB135892
	Manganese	2.83	<100	U	100	P	05/22/2025	16:25	LB135892
	Nickel	1.3	<200	U	200	P	05/22/2025	16:25	LB135892

Metals
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PREPARATION BLANK SUMMARY

Client: LB135892

SDG No.: LB135892

Instrument: P4

	Potassium	136	<10000	U	10000	P	05/22/2025	16:25	LB135892
	Selenium	11.1	<100	U	100	P	05/22/2025	16:25	LB135892
	Silver	1.02	<50	U	50	P	05/22/2025	16:25	LB135892
	Sodium	363	<10000	U	10000	P	05/22/2025	16:25	LB135892
	Thallium	5.14	<200	U	200	P	05/22/2025	16:25	LB135892
	Vanadium	8.32	<200	U	200	P	05/22/2025	16:25	LB135892
	Zinc	1.52	<200	U	200	P	05/22/2025	16:25	LB135892
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168117BL	SOLID			Batch Number:	PB168117		Prep Date:	05/21/2025	
	Aluminum	0.261	<5	U	5	P	05/22/2025	16:53	LB135892
	Antimony	0.024	<2.5	U	2.5	P	05/22/2025	16:53	LB135892
	Arsenic	0.091	<1	U	1	P	05/22/2025	16:53	LB135892
	Barium	0.11	<5	U	5	P	05/22/2025	16:53	LB135892
	Beryllium	0	<0.3	U	0.3	P	05/22/2025	16:53	LB135892
	Cadmium	0	<0.3	U	0.3	P	05/22/2025	16:53	LB135892
	Calcium	0.11	<100	U	100	P	05/22/2025	16:53	LB135892
	Chromium	0.006	<0.5	U	0.5	P	05/22/2025	16:53	LB135892
	Cobalt	0	<1.5	U	1.5	P	05/22/2025	16:53	LB135892
	Copper	0.001	<1	U	1	P	05/22/2025	16:53	LB135892
	Iron	0.396	<5	U	5	P	05/22/2025	16:53	LB135892
	Lead	0.042	<0.6	U	0.6	P	05/22/2025	16:53	LB135892
	Magnesium	1.01	<100	U	100	P	05/22/2025	16:53	LB135892
	Manganese	0.006	<1	U	1	P	05/22/2025	16:53	LB135892
	Nickel	0.018	<2	U	2	P	05/22/2025	16:53	LB135892
	Potassium	2.59	<100	U	100	P	05/22/2025	16:53	LB135892
	Selenium	0.108	<1	U	1	P	05/22/2025	16:53	LB135892
	Silver	0.043	<0.5	U	0.5	P	05/22/2025	16:53	LB135892
	Sodium	3.69	<100	U	100	P	05/22/2025	16:53	LB135892
	Thallium	0.014	<2	U	2	P	05/22/2025	16:53	LB135892
	Vanadium	0.037	<2	U	2	P	05/22/2025	16:53	LB135892
	Zinc	0.012	<2	U	2	P	05/22/2025	16:53	LB135892

Metals
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INTERFERENCE CHECK SAMPLE

Client: LB135892 **SDG No.:** LB135892
Contract: **Lab Code:** CHEM **Case No.:** LB135892 **SAS No.:** LB135892
ICS Source: **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	267000	255000	104.7	216000 - 294000%	05/22/2025	15:34	LB135892
	Antimony	-3.61				05/22/2025	15:34	LB135892
	Arsenic	1.77				05/22/2025	15:34	LB135892
	Barium	7.57	6	126.2	-94 - 106%	05/22/2025	15:34	LB135892
	Beryllium	0.616				05/22/2025	15:34	LB135892
	Cadmium	-0.109	1	10.9	-5 - 7%	05/22/2025	15:34	LB135892
	Calcium	257000	245000	104.9	208000 - 282000%	05/22/2025	15:34	LB135892
	Chromium	59.5	52	114.4	42 - 62%	05/22/2025	15:34	LB135892
	Cobalt	1.57				05/22/2025	15:34	LB135892
	Copper	1.51	2	75.5	-18 - 22%	05/22/2025	15:34	LB135892
	Iron	107000	101000	105.9	85600 - 116500%	05/22/2025	15:34	LB135892
	Lead	5.66				05/22/2025	15:34	LB135892
	Magnesium	274000	255000	107.5	216000 - 294000%	05/22/2025	15:34	LB135892
	Manganese	14.6	7	208.6	-13 - 27%	05/22/2025	15:34	LB135892
	Nickel	2.35	2	117.5	-38 - 42%	05/22/2025	15:34	LB135892
	Potassium	-12.1				05/22/2025	15:34	LB135892
	Selenium	4.71				05/22/2025	15:34	LB135892
	Silver	-1.36				05/22/2025	15:34	LB135892
	Sodium	14.1				05/22/2025	15:34	LB135892
	Thallium	9.78				05/22/2025	15:34	LB135892
	Vanadium	3.74				05/22/2025	15:34	LB135892
	Zinc	3.58				05/22/2025	15:34	LB135892
ICSAB01	Aluminum	239000	247000	96.8	209000 - 285000%	05/22/2025	15:39	LB135892
	Antimony	594	618	96.1	525 - 711%	05/22/2025	15:39	LB135892
	Arsenic	107	104	102.9	88.4 - 120%	05/22/2025	15:39	LB135892
	Barium	505	537	94	437 - 637%	05/22/2025	15:39	LB135892
	Beryllium	477	495	96.4	420 - 570%	05/22/2025	15:39	LB135892
	Cadmium	965	972	99.3	826 - 1120%	05/22/2025	15:39	LB135892
	Calcium	232000	235000	98.7	199000 - 271000%	05/22/2025	15:39	LB135892
	Chromium	554	542	102.2	460 - 624%	05/22/2025	15:39	LB135892
	Cobalt	489	476	102.7	404 - 548%	05/22/2025	15:39	LB135892
	Copper	489	511	95.7	434 - 588%	05/22/2025	15:39	LB135892
	Iron	101000	99300	101.7	84400 - 114500%	05/22/2025	15:39	LB135892
	Lead	51.7	49	105.5	37 - 61%	05/22/2025	15:39	LB135892
	Magnesium	247000	248000	99.6	210000 - 286000%	05/22/2025	15:39	LB135892
	Manganese	498	507	98.2	430 - 584%	05/22/2025	15:39	LB135892
	Nickel	969	954	101.6	810 - 1100%	05/22/2025	15:39	LB135892
	Potassium	14.2				05/22/2025	15:39	LB135892
	Selenium	56	46	121.7	26 - 66%	05/22/2025	15:39	LB135892
	Silver	222	201	110.4	170 - 232%	05/22/2025	15:39	LB135892
	Sodium	-3.31				05/22/2025	15:39	LB135892
	Thallium	112	108	103.7	68 - 148%	05/22/2025	15:39	LB135892
	Vanadium	483	491	98.4	417 - 565%	05/22/2025	15:39	LB135892

Metals
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INTERFERENCE CHECK SAMPLE

Client: LB135892 **SDG No.:** LB135892
Contract: **Lab Code:** CHEM **Case No.:** LB135892 **SAS No.:** LB135892
ICS Source: **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window	Analysis Date	Analysis Time	Run Number
ICSAB01	Zinc	1030	952	108.2	809 - 1095%	05/22/2025	15:39	LB135892
ICSABDL	Aluminum	239000	247000	96.8	209000 - 285000%	05/22/2025	15:47	LB135892
	Antimony	519	618	84	525 - 711%	05/22/2025	15:47	LB135892
	Arsenic	32.2	104	31	88.4 - 120%	05/22/2025	15:47	LB135892
	Barium	494	537	92	437 - 637%	05/22/2025	15:47	LB135892
	Beryllium	462	495	93.3	420 - 570%	05/22/2025	15:47	LB135892
	Cadmium	960	972	98.8	826 - 1120%	05/22/2025	15:47	LB135892
	Calcium	238000	235000	101.3	199000 - 271000%	05/22/2025	15:47	LB135892
	Chromium	550	542	101.5	460 - 624%	05/22/2025	15:47	LB135892
	Cobalt	482	476	101.3	404 - 548%	05/22/2025	15:47	LB135892
	Copper	518	511	101.4	434 - 588%	05/22/2025	15:47	LB135892
	Iron	106000	99300	106.7	84400 - 114500%	05/22/2025	15:47	LB135892
	Lead	34.7	49	70.8	37 - 61%	05/22/2025	15:47	LB135892
	Magnesium	240000	248000	96.8	210000 - 286000%	05/22/2025	15:47	LB135892
	Manganese	501	507	98.8	430 - 584%	05/22/2025	15:47	LB135892
	Nickel	972	954	101.9	810 - 1100%	05/22/2025	15:47	LB135892
	Potassium	-949				05/22/2025	15:47	LB135892
	Selenium	-20.1	46	43.7	26 - 66%	05/22/2025	15:47	LB135892
	Silver	202	201	100.5	170 - 232%	05/22/2025	15:47	LB135892
	Sodium	-912				05/22/2025	15:47	LB135892
	Thallium	70.6	108	65.4	68 - 148%	05/22/2025	15:47	LB135892
	Vanadium	474	491	96.5	417 - 565%	05/22/2025	15:47	LB135892
	Zinc	1150	952	120.8	809 - 1095%	05/22/2025	15:47	LB135892
ICSADL	Aluminum	245000	255000	96.1	216000 - 294000%	05/22/2025	15:43	LB135892
	Antimony	-5.96				05/22/2025	15:43	LB135892
	Arsenic	-71.8				05/22/2025	15:43	LB135892
	Barium	-11	6	183.3	-94 - 106%	05/22/2025	15:43	LB135892
	Beryllium	1.81				05/22/2025	15:43	LB135892
	Cadmium	-0.08	1	8	-5 - 7%	05/22/2025	15:43	LB135892
	Calcium	242000	245000	98.8	208000 - 282000%	05/22/2025	15:43	LB135892
	Chromium	40.8	52	78.5	42 - 62%	05/22/2025	15:43	LB135892
	Cobalt	3.86				05/22/2025	15:43	LB135892
	Copper	3.35	2	167.5	-18 - 22%	05/22/2025	15:43	LB135892
	Iron	104000	101000	103	85600 - 116500%	05/22/2025	15:43	LB135892
	Lead	-20.5				05/22/2025	15:43	LB135892
	Magnesium	245000	255000	96.1	216000 - 294000%	05/22/2025	15:43	LB135892
	Manganese	10.73	7	153.3	-13 - 27%	05/22/2025	15:43	LB135892
	Nickel	5.01	2	250.5	-38 - 42%	05/22/2025	15:43	LB135892
	Potassium	-946				05/22/2025	15:43	LB135892
	Selenium	-107				05/22/2025	15:43	LB135892
	Silver	-5.1				05/22/2025	15:43	LB135892
	Sodium	-1050				05/22/2025	15:43	LB135892
	Thallium	-7.2				05/22/2025	15:43	LB135892

Metals

- 4 -

INTERFERENCE CHECK SAMPLE

Client: LB135892 **SDG No.:** LB135892
Contract: **Lab Code:** CHEM **Case No.:** LB135892 **SAS No.:** LB135892
ICS Source: **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window	Analysis Date	Analysis Time	Run Number
ICSADL	Vanadium	8.47				05/22/2025	15:43	LB135892
	Zinc	2.92				05/22/2025	15:43	LB135892



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

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: LB135892 SDG No.: LB135892
Contract: _____ Lab Code: CHEM Case No.: LB135892 SAS No.: LB135892
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Silver	10.0705	10.0	100.7	65 - 135	P	05/22/2025	15:30	LB135892
	Aluminum	113.197	100	113.2	65 - 135	P	05/22/2025	15:30	LB135892
	Arsenic	19.6749	20.0	98.4	65 - 135	P	05/22/2025	15:30	LB135892
	Barium	108.711	100	108.7	65 - 135	P	05/22/2025	15:30	LB135892
	Beryllium	6.2476	6.0	104.1	65 - 135	P	05/22/2025	15:30	LB135892
	Calcium	2172.53	2000	108.6	65 - 135	P	05/22/2025	15:30	LB135892
	Cadmium	6.1989	6.0	103.3	65 - 135	P	05/22/2025	15:30	LB135892
	Cobalt	31.2748	30.0	104.2	65 - 135	P	05/22/2025	15:30	LB135892
	Chromium	10.5332	10.0	105.3	65 - 135	P	05/22/2025	15:30	LB135892
	Copper	23.5082	20.0	117.5	65 - 135	P	05/22/2025	15:30	LB135892
	Iron	113.986	100	114	65 - 135	P	05/22/2025	15:30	LB135892
	Potassium	2081.61	2000	104.1	65 - 135	P	05/22/2025	15:30	LB135892
	Magnesium	2275.23	2000	113.8	65 - 135	P	05/22/2025	15:30	LB135892
	Manganese	22.0627	20.0	110.3	65 - 135	P	05/22/2025	15:30	LB135892
	Sodium	2088.23	2000	104.4	65 - 135	P	05/22/2025	15:30	LB135892
	Nickel	41.3965	40.0	103.5	65 - 135	P	05/22/2025	15:30	LB135892
	Lead	12.1189	12.0	101	65 - 135	P	05/22/2025	15:30	LB135892
	Antimony	53.4392	50.0	106.9	65 - 135	P	05/22/2025	15:30	LB135892
	Selenium	15.3833	20.0	76.9	65 - 135	P	05/22/2025	15:30	LB135892
	Thallium	41.1208	40.0	102.8	65 - 135	P	05/22/2025	15:30	LB135892
	Vanadium	43.9156	40.0	109.8	65 - 135	P	05/22/2025	15:30	LB135892
	Zinc	46.0307	40.0	115.1	65 - 135	P	05/22/2025	15:30	LB135892

Report of Analysis

Client:		Date Collected:	5/13/2025 12:00:00 AM
Project:	LB135892	Date Received:	5/19/2025 12:00:00 AM
Client Sample ID:	WC-A4-04-C	SDG No.:	LB135892
Lab Sample ID:	Q2078-03	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	1430		1	57	400	500	ug/L	05/21/2025	05/22/2025	6010D
7440-36-0	Antimony	2.87	U	1	34	62.5	250	ug/L	05/21/2025	05/22/2025	6010D
7440-38-2	Arsenic	-40.2	U	1	26	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-39-3	Barium	599		1	73	125	500	ug/L	05/21/2025	05/22/2025	6010D
7440-41-7	Beryllium	-0.57	U	1	2.8	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-43-9	Cadmium	0.444	U	1	2.5	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-70-2	Calcium	930000		1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-47-3	Chromium	0.921	U	1	11	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-48-4	Cobalt	-1.16	U	1	11	37.5	150	ug/L	05/21/2025	05/22/2025	6010D
7440-50-8	Copper	22.7	U	1	23	80	100	ug/L	05/21/2025	05/22/2025	6010D
7439-89-6	Iron	590		1	120	400	500	ug/L	05/21/2025	05/22/2025	6010D
7439-92-1	Lead	2.29	U	1	12	48	60	ug/L	05/21/2025	05/22/2025	6010D
7439-95-4	Magnesium	125	U	1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7439-96-5	Manganese	146		1	30	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-02-0	Nickel	24.5	J	1	15	50	200	ug/L	05/21/2025	05/22/2025	6010D
7440-09-7	Potassium	53100		1	4600	8000	10000	ug/L	05/21/2025	05/22/2025	6010D
7782-49-2	Selenium	-26.1	U	1	48	80	100	ug/L	05/21/2025	05/22/2025	6010D
7440-22-4	Silver	-4.16	U	1	8.1	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-23-5	Sodium	1.78e+006		1	4300	5000	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-28-0	Thallium	-23.4	U	1	22	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-62-2	Vanadium	9.49	U	1	31	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-66-6	Zinc	21.8	U	1	83	75	200	ug/L	05/21/2025	05/22/2025	6010D

Report of Analysis

Client:		Date Collected:	5/13/2025 12:00:00 AM
Project:	LB135892	Date Received:	5/19/2025 12:00:00 AM
Client Sample ID:	WC-A4-05-C	SDG No.:	LB135892
Lab Sample ID:	Q2078-07	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	1400		1	57	400	500	ug/L	05/21/2025	05/22/2025	6010D
7440-36-0	Antimony	-8.78	U	1	34	62.5	250	ug/L	05/21/2025	05/22/2025	6010D
7440-38-2	Arsenic	-35	U	1	26	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-39-3	Barium	470	J	1	73	125	500	ug/L	05/21/2025	05/22/2025	6010D
7440-41-7	Beryllium	-0.54	U	1	2.8	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-43-9	Cadmium	0.18	U	1	2.5	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-70-2	Calcium	849000		1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-47-3	Chromium	14.8	J	1	11	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-48-4	Cobalt	0.171	U	1	11	37.5	150	ug/L	05/21/2025	05/22/2025	6010D
7440-50-8	Copper	13.8	U	1	23	80	100	ug/L	05/21/2025	05/22/2025	6010D
7439-89-6	Iron	232	J	1	120	400	500	ug/L	05/21/2025	05/22/2025	6010D
7439-92-1	Lead	2.92	U	1	12	48	60	ug/L	05/21/2025	05/22/2025	6010D
7439-95-4	Magnesium	197	U	1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7439-96-5	Manganese	23.5	U	1	30	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-02-0	Nickel	26.2	J	1	15	50	200	ug/L	05/21/2025	05/22/2025	6010D
7440-09-7	Potassium	39700		1	4600	8000	10000	ug/L	05/21/2025	05/22/2025	6010D
7782-49-2	Selenium	-26	U	1	48	80	100	ug/L	05/21/2025	05/22/2025	6010D
7440-22-4	Silver	-0.845	U	1	8.1	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-23-5	Sodium	1.91e+006		1	4300	5000	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-28-0	Thallium	-29.7	U	1	22	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-62-2	Vanadium	11.9	U	1	31	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-66-6	Zinc	15.6	U	1	83	75	200	ug/L	05/21/2025	05/22/2025	6010D

Report of Analysis

Client:		Date Collected:	5/13/2025 12:00:00 AM
Project:	LB135892	Date Received:	5/19/2025 12:00:00 AM
Client Sample ID:	WC-A1-06A-C	SDG No.:	LB135892
Lab Sample ID:	Q2078-11	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	1430		1	57	400	500	ug/L	05/21/2025	05/22/2025	6010D
7440-36-0	Antimony	-2.92	U	1	34	62.5	250	ug/L	05/21/2025	05/22/2025	6010D
7440-38-2	Arsenic	-30.3	U	1	26	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-39-3	Barium	482	J	1	73	125	500	ug/L	05/21/2025	05/22/2025	6010D
7440-41-7	Beryllium	-0.505	U	1	2.8	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-43-9	Cadmium	0.17	U	1	2.5	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-70-2	Calcium	1.03e+006		1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-47-3	Chromium	6.83	U	1	11	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-48-4	Cobalt	0.465	U	1	11	37.5	150	ug/L	05/21/2025	05/22/2025	6010D
7440-50-8	Copper	28.4	J	1	23	80	100	ug/L	05/21/2025	05/22/2025	6010D
7439-89-6	Iron	345	J	1	120	400	500	ug/L	05/21/2025	05/22/2025	6010D
7439-92-1	Lead	3.23	U	1	12	48	60	ug/L	05/21/2025	05/22/2025	6010D
7439-95-4	Magnesium	183	U	1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7439-96-5	Manganese	68.4	J	1	30	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-02-0	Nickel	24.2	J	1	15	50	200	ug/L	05/21/2025	05/22/2025	6010D
7440-09-7	Potassium	46000		1	4600	8000	10000	ug/L	05/21/2025	05/22/2025	6010D
7782-49-2	Selenium	-6.69	U	1	48	80	100	ug/L	05/21/2025	05/22/2025	6010D
7440-22-4	Silver	-3.12	U	1	8.1	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-23-5	Sodium	2.05e+006		1	4300	5000	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-28-0	Thallium	-27.1	U	1	22	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-62-2	Vanadium	8.57	U	1	31	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-66-6	Zinc	19.8	U	1	83	75	200	ug/L	05/21/2025	05/22/2025	6010D

Report of Analysis

Client:		Date Collected:	5/13/2025 12:00:00 AM
Project:	LB135892	Date Received:	5/19/2025 12:00:00 AM
Client Sample ID:	WC-A1-07A-C	SDG No.:	LB135892
Lab Sample ID:	Q2078-15	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	64.5	J	1	57	400	500	ug/L	05/21/2025	05/22/2025	6010D
7440-36-0	Antimony	3.95	U	1	34	62.5	250	ug/L	05/21/2025	05/22/2025	6010D
7440-38-2	Arsenic	-37	U	1	26	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-39-3	Barium	255	J	1	73	125	500	ug/L	05/21/2025	05/22/2025	6010D
7440-41-7	Beryllium	-0.56	U	1	2.8	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-43-9	Cadmium	0.267	U	1	2.5	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-70-2	Calcium	909000		1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-47-3	Chromium	15.8	J	1	11	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-48-4	Cobalt	-0.775	U	1	11	37.5	150	ug/L	05/21/2025	05/22/2025	6010D
7440-50-8	Copper	35.9	J	1	23	80	100	ug/L	05/21/2025	05/22/2025	6010D
7439-89-6	Iron	237	J	1	120	400	500	ug/L	05/21/2025	05/22/2025	6010D
7439-92-1	Lead	3.49	U	1	12	48	60	ug/L	05/21/2025	05/22/2025	6010D
7439-95-4	Magnesium	1080	U	1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7439-96-5	Manganese	16.9	U	1	30	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-02-0	Nickel	22.3	J	1	15	50	200	ug/L	05/21/2025	05/22/2025	6010D
7440-09-7	Potassium	26600		1	4600	8000	10000	ug/L	05/21/2025	05/22/2025	6010D
7782-49-2	Selenium	-18.2	U	1	48	80	100	ug/L	05/21/2025	05/22/2025	6010D
7440-22-4	Silver	-2.09	U	1	8.1	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-23-5	Sodium	1.77e+006		1	4300	5000	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-28-0	Thallium	-36.7	U	1	22	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-62-2	Vanadium	50.8	J	1	31	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-66-6	Zinc	15.3	U	1	83	75	200	ug/L	05/21/2025	05/22/2025	6010D

Report of Analysis

Client:		Date Collected:	5/14/2025 12:00:00 AM
Project:	LB135892	Date Received:	5/19/2025 12:00:00 AM
Client Sample ID:	WC-A4-06-C	SDG No.:	LB135892
Lab Sample ID:	Q2078-19	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	183	J	1	57	400	500	ug/L	05/21/2025	05/22/2025	6010D
7440-36-0	Antimony	-2.67	U	1	34	62.5	250	ug/L	05/21/2025	05/22/2025	6010D
7440-38-2	Arsenic	-48.5	U	1	26	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-39-3	Barium	271	J	1	73	125	500	ug/L	05/21/2025	05/22/2025	6010D
7440-41-7	Beryllium	-0.265	U	1	2.8	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-43-9	Cadmium	0.059	U	1	2.5	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-70-2	Calcium	986000		1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-47-3	Chromium	9	U	1	11	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-48-4	Cobalt	0.229	U	1	11	37.5	150	ug/L	05/21/2025	05/22/2025	6010D
7440-50-8	Copper	12.1	U	1	23	80	100	ug/L	05/21/2025	05/22/2025	6010D
7439-89-6	Iron	187	J	1	120	400	500	ug/L	05/21/2025	05/22/2025	6010D
7439-92-1	Lead	4.2	U	1	12	48	60	ug/L	05/21/2025	05/22/2025	6010D
7439-95-4	Magnesium	1470	J	1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7439-96-5	Manganese	80.5	J	1	30	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-02-0	Nickel	14.8	U	1	15	50	200	ug/L	05/21/2025	05/22/2025	6010D
7440-09-7	Potassium	28100		1	4600	8000	10000	ug/L	05/21/2025	05/22/2025	6010D
7782-49-2	Selenium	-10.04	U	1	48	80	100	ug/L	05/21/2025	05/22/2025	6010D
7440-22-4	Silver	-3.39	U	1	8.1	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-23-5	Sodium	1.97e+006		1	4300	5000	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-28-0	Thallium	-16.9	U	1	22	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-62-2	Vanadium	56.1	J	1	31	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-66-6	Zinc	16.9	U	1	83	75	200	ug/L	05/21/2025	05/22/2025	6010D

Report of Analysis

Client:		Date Collected:	5/13/2025 12:00:00 AM
Project:	LB135892	Date Received:	5/19/2025 12:00:00 AM
Client Sample ID:	WC-A2-01-C	SDG No.:	LB135892
Lab Sample ID:	Q2079-03	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	1200		1	57	400	500	ug/L	05/21/2025	05/22/2025	6010D
7440-36-0	Antimony	-2.62	U	1	34	62.5	250	ug/L	05/21/2025	05/22/2025	6010D
7440-38-2	Arsenic	-28.5	U	1	26	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-39-3	Barium	415	J	1	73	125	500	ug/L	05/21/2025	05/22/2025	6010D
7440-41-7	Beryllium	-0.44	U	1	2.8	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-43-9	Cadmium	0.25	U	1	2.5	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-70-2	Calcium	907000		1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-47-3	Chromium	7.1	U	1	11	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-48-4	Cobalt	-0.21	U	1	11	37.5	150	ug/L	05/21/2025	05/22/2025	6010D
7440-50-8	Copper	24.8	J	1	23	80	100	ug/L	05/21/2025	05/22/2025	6010D
7439-89-6	Iron	238	J	1	120	400	500	ug/L	05/21/2025	05/22/2025	6010D
7439-92-1	Lead	7.02	U	1	12	48	60	ug/L	05/21/2025	05/22/2025	6010D
7439-95-4	Magnesium	246	U	1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7439-96-5	Manganese	88.5	J	1	30	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-02-0	Nickel	22.2	J	1	15	50	200	ug/L	05/21/2025	05/22/2025	6010D
7440-09-7	Potassium	38400		1	4600	8000	10000	ug/L	05/21/2025	05/22/2025	6010D
7782-49-2	Selenium	-20.6	U	1	48	80	100	ug/L	05/21/2025	05/22/2025	6010D
7440-22-4	Silver	-3.61	U	1	8.1	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-23-5	Sodium	1.7e+006		1	4300	5000	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-28-0	Thallium	-29	U	1	22	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-62-2	Vanadium	7.98	U	1	31	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-66-6	Zinc	18.1	U	1	83	75	200	ug/L	05/21/2025	05/22/2025	6010D

Report of Analysis

Client:		Date Collected:	5/13/2025 12:00:00 AM
Project:	LB135892	Date Received:	5/19/2025 12:00:00 AM
Client Sample ID:	WC-A2-02-C	SDG No.:	LB135892
Lab Sample ID:	Q2079-07	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	305	J	1	57	400	500	ug/L	05/21/2025	05/22/2025	6010D
7440-36-0	Antimony	-6.42	U	1	34	62.5	250	ug/L	05/21/2025	05/22/2025	6010D
7440-38-2	Arsenic	-31.2	U	1	26	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-39-3	Barium	279	J	1	73	125	500	ug/L	05/21/2025	05/22/2025	6010D
7440-41-7	Beryllium	-0.605	U	1	2.8	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-43-9	Cadmium	0.141	U	1	2.5	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-70-2	Calcium	812000		1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-47-3	Chromium	5.8	U	1	11	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-48-4	Cobalt	0.406	U	1	11	37.5	150	ug/L	05/21/2025	05/22/2025	6010D
7440-50-8	Copper	13.5	U	1	23	80	100	ug/L	05/21/2025	05/22/2025	6010D
7439-89-6	Iron	212	J	1	120	400	500	ug/L	05/21/2025	05/22/2025	6010D
7439-92-1	Lead	3.34	U	1	12	48	60	ug/L	05/21/2025	05/22/2025	6010D
7439-95-4	Magnesium	851	U	1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7439-96-5	Manganese	33.5	J	1	30	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-02-0	Nickel	15.7	J	1	15	50	200	ug/L	05/21/2025	05/22/2025	6010D
7440-09-7	Potassium	22700		1	4600	8000	10000	ug/L	05/21/2025	05/22/2025	6010D
7782-49-2	Selenium	-19	U	1	48	80	100	ug/L	05/21/2025	05/22/2025	6010D
7440-22-4	Silver	-3.06	U	1	8.1	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-23-5	Sodium	1.65e+006		1	4300	5000	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-28-0	Thallium	-13.5	U	1	22	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-62-2	Vanadium	38.7	J	1	31	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-66-6	Zinc	20.8	U	1	83	75	200	ug/L	05/21/2025	05/22/2025	6010D

Report of Analysis

Client:		Date Collected:	5/13/2025 12:00:00 AM
Project:	LB135892	Date Received:	5/19/2025 12:00:00 AM
Client Sample ID:	WC-A2-03-C	SDG No.:	LB135892
Lab Sample ID:	Q2079-11	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	638		1	57	400	500	ug/L	05/21/2025	05/22/2025	6010D
7440-36-0	Antimony	-1.39	U	1	34	62.5	250	ug/L	05/21/2025	05/22/2025	6010D
7440-38-2	Arsenic	-48.2	U	1	26	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-39-3	Barium	328	J	1	73	125	500	ug/L	05/21/2025	05/22/2025	6010D
7440-41-7	Beryllium	-0.55	U	1	2.8	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-43-9	Cadmium	0.479	U	1	2.5	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-70-2	Calcium	860000		1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-47-3	Chromium	6.4	U	1	11	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-48-4	Cobalt	-0.505	U	1	11	37.5	150	ug/L	05/21/2025	05/22/2025	6010D
7440-50-8	Copper	14	U	1	23	80	100	ug/L	05/21/2025	05/22/2025	6010D
7439-89-6	Iron	354	J	1	120	400	500	ug/L	05/21/2025	05/22/2025	6010D
7439-92-1	Lead	4.3	U	1	12	48	60	ug/L	05/21/2025	05/22/2025	6010D
7439-95-4	Magnesium	586	U	1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7439-96-5	Manganese	97.7	J	1	30	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-02-0	Nickel	17.3	J	1	15	50	200	ug/L	05/21/2025	05/22/2025	6010D
7440-09-7	Potassium	28300		1	4600	8000	10000	ug/L	05/21/2025	05/22/2025	6010D
7782-49-2	Selenium	-27.9	U	1	48	80	100	ug/L	05/21/2025	05/22/2025	6010D
7440-22-4	Silver	-1.98	U	1	8.1	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-23-5	Sodium	1.76e+006		1	4300	5000	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-28-0	Thallium	-31.6	U	1	22	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-62-2	Vanadium	26.5	U	1	31	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-66-6	Zinc	24.5	U	1	83	75	200	ug/L	05/21/2025	05/22/2025	6010D

Report of Analysis

Client:		Date Collected:	5/19/2025 12:00:00 AM
Project:	LB135892	Date Received:	5/19/2025 12:00:00 AM
Client Sample ID:	PL-HRH-COMP-01	SDG No.:	LB135892
Lab Sample ID:	Q2080-01	Matrix:	Solid
Level (low/med):	low	% Solid:	86.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	9940		1	0.84	4.02	5.03	mg/Kg	05/20/2025	05/22/2025	6010D
7440-36-0	Antimony	-0.088	U	1	0.22	0.628	2.51	mg/Kg	05/20/2025	05/22/2025	6010D
7440-38-2	Arsenic	5.09		1	0.19	0.804	1.01	mg/Kg	05/20/2025	05/22/2025	6010D
7440-39-3	Barium	86.8		1	0.73	1.26	5.03	mg/Kg	05/20/2025	05/22/2025	6010D
7440-41-7	Beryllium	0.776		1	0.025	0.075	0.302	mg/Kg	05/20/2025	05/22/2025	6010D
7440-43-9	Cadmium	0.097	J	1	0.024	0.075	0.302	mg/Kg	05/20/2025	05/22/2025	6010D
7440-70-2	Calcium	906		1	11	25.1	101	mg/Kg	05/20/2025	05/22/2025	6010D
7440-47-3	Chromium	18.4		1	0.047	0.126	0.503	mg/Kg	05/20/2025	05/22/2025	6010D
7440-48-4	Cobalt	10.05		1	0.10	0.377	1.51	mg/Kg	05/20/2025	05/22/2025	6010D
7440-50-8	Copper	9.77		1	0.22	0.804	1.01	mg/Kg	05/20/2025	05/22/2025	6010D
7439-89-6	Iron	22500		1	4.0	4.02	5.03	mg/Kg	05/20/2025	05/22/2025	6010D
7439-92-1	Lead	23.7		1	0.13	0.483	0.603	mg/Kg	05/20/2025	05/22/2025	6010D
7439-95-4	Magnesium	3360		1	12	25.1	101	mg/Kg	05/20/2025	05/22/2025	6010D
7439-96-5	Manganese	615		1	0.14	0.251	1.01	mg/Kg	05/20/2025	05/22/2025	6010D
7440-02-0	Nickel	18.9		1	0.13	0.503	2.01	mg/Kg	05/20/2025	05/22/2025	6010D
7440-09-7	Potassium	858		1	28	80.4	101	mg/Kg	05/20/2025	05/22/2025	6010D
7782-49-2	Selenium	2.06		1	0.26	0.804	1.01	mg/Kg	05/20/2025	05/22/2025	6010D
7440-22-4	Silver	0.136	J	1	0.12	0.251	0.503	mg/Kg	05/20/2025	05/22/2025	6010D
7440-23-5	Sodium	98.7	J	1	18	80.4	101	mg/Kg	05/20/2025	05/22/2025	6010D
7440-28-0	Thallium	1.68	J	1	0.23	1.01	2.01	mg/Kg	05/20/2025	05/22/2025	6010D
7440-62-2	Vanadium	24.9		1	0.25	1.01	2.01	mg/Kg	05/20/2025	05/22/2025	6010D
7440-66-6	Zinc	53		1	0.23	0.503	2.01	mg/Kg	05/20/2025	05/22/2025	6010D

Report of Analysis

Client:		Date Collected:	5/19/2025 12:00:00 AM
Project:	LB135892	Date Received:	5/19/2025 12:00:00 AM
Client Sample ID:	OR-640-COMP-66	SDG No.:	LB135892
Lab Sample ID:	Q2084-05	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	206	J	1	57	400	500	ug/L	05/21/2025	05/22/2025	6010D
7440-36-0	Antimony	1.41	U	1	34	62.5	250	ug/L	05/21/2025	05/22/2025	6010D
7440-38-2	Arsenic	-36.8	U	1	26	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-39-3	Barium	775		1	73	125	500	ug/L	05/21/2025	05/22/2025	6010D
7440-41-7	Beryllium	-0.025	U	1	2.8	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-43-9	Cadmium	0.366	U	1	2.5	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-70-2	Calcium	25300		1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-47-3	Chromium	3.86	U	1	11	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-48-4	Cobalt	-1.12	U	1	11	37.5	150	ug/L	05/21/2025	05/22/2025	6010D
7440-50-8	Copper	26.1	J	1	23	80	100	ug/L	05/21/2025	05/22/2025	6010D
7439-89-6	Iron	151	J	1	120	400	500	ug/L	05/21/2025	05/22/2025	6010D
7439-92-1	Lead	-1.35	U	1	12	48	60	ug/L	05/21/2025	05/22/2025	6010D
7439-95-4	Magnesium	5480	J	1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7439-96-5	Manganese	154		1	30	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-02-0	Nickel	7.29	U	1	15	50	200	ug/L	05/21/2025	05/22/2025	6010D
7440-09-7	Potassium	4320	U	1	4600	8000	10000	ug/L	05/21/2025	05/22/2025	6010D
7782-49-2	Selenium	5.13	U	1	48	80	100	ug/L	05/21/2025	05/22/2025	6010D
7440-22-4	Silver	-1.92	U	1	8.1	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-23-5	Sodium	1.57e+006		1	4300	5000	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-28-0	Thallium	-25.9	U	1	22	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-62-2	Vanadium	-2.12	U	1	31	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-66-6	Zinc	131	J	1	83	75	200	ug/L	05/21/2025	05/22/2025	6010D

Report of Analysis

Client:		Date Collected:	5/20/2025 12:00:00 AM
Project:	LB135892	Date Received:	5/20/2025 12:00:00 AM
Client Sample ID:	NB-07-05202025	SDG No.:	LB135892
Lab Sample ID:	Q2087-01	Matrix:	Solid
Level (low/med):	low	% Solid:	91.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	7660		1	0.83	3.96	4.95	mg/Kg	05/21/2025	05/22/2025	6010D
7440-36-0	Antimony	0.154	U	1	0.22	0.619	2.48	mg/Kg	05/21/2025	05/22/2025	6010D
7440-38-2	Arsenic	3.08		1	0.19	0.792	0.99	mg/Kg	05/21/2025	05/22/2025	6010D
7440-39-3	Barium	34.4		1	0.72	1.24	4.95	mg/Kg	05/21/2025	05/22/2025	6010D
7440-41-7	Beryllium	0.311		1	0.025	0.074	0.297	mg/Kg	05/21/2025	05/22/2025	6010D
7440-43-9	Cadmium	0.112	J	1	0.024	0.074	0.297	mg/Kg	05/21/2025	05/22/2025	6010D
7440-70-2	Calcium	23100		1	11	24.8	99	mg/Kg	05/21/2025	05/22/2025	6010D
7440-47-3	Chromium	13.2		1	0.047	0.124	0.495	mg/Kg	05/21/2025	05/22/2025	6010D
7440-48-4	Cobalt	3.94		1	0.099	0.371	1.49	mg/Kg	05/21/2025	05/22/2025	6010D
7440-50-8	Copper	28.3		1	0.22	0.792	0.99	mg/Kg	05/21/2025	05/22/2025	6010D
7439-89-6	Iron	11000		1	4.0	3.96	4.95	mg/Kg	05/21/2025	05/22/2025	6010D
7439-92-1	Lead	19.4		1	0.13	0.475	0.594	mg/Kg	05/21/2025	05/22/2025	6010D
7439-95-4	Magnesium	2990		1	12	24.8	99	mg/Kg	05/21/2025	05/22/2025	6010D
7439-96-5	Manganese	135		1	0.14	0.248	0.99	mg/Kg	05/21/2025	05/22/2025	6010D
7440-02-0	Nickel	9.99		1	0.13	0.495	1.98	mg/Kg	05/21/2025	05/22/2025	6010D
7440-09-7	Potassium	682		1	27	79.2	99	mg/Kg	05/21/2025	05/22/2025	6010D
7782-49-2	Selenium	0.844	J	1	0.26	0.792	0.99	mg/Kg	05/21/2025	05/22/2025	6010D
7440-22-4	Silver	0.039	U	1	0.12	0.248	0.495	mg/Kg	05/21/2025	05/22/2025	6010D
7440-23-5	Sodium	313		1	18	79.2	99	mg/Kg	05/21/2025	05/22/2025	6010D
7440-28-0	Thallium	0.757	J	1	0.23	0.99	1.98	mg/Kg	05/21/2025	05/22/2025	6010D
7440-62-2	Vanadium	29.3		1	0.25	0.99	1.98	mg/Kg	05/21/2025	05/22/2025	6010D
7440-66-6	Zinc	57.7		1	0.23	0.495	1.98	mg/Kg	05/21/2025	05/22/2025	6010D

Report of Analysis

Client:		Date Collected:	5/20/2025 12:00:00 AM
Project:	LB135892	Date Received:	5/20/2025 12:00:00 AM
Client Sample ID:	NB-08-05202025	SDG No.:	LB135892
Lab Sample ID:	Q2087-03	Matrix:	Solid
Level (low/med):	low	% Solid:	95

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	621		1	0.80	3.83	4.78	mg/Kg	05/21/2025	05/22/2025	6010D
7440-36-0	Antimony	0.049	U	1	0.21	0.598	2.39	mg/Kg	05/21/2025	05/22/2025	6010D
7440-38-2	Arsenic	0.505	J	1	0.18	0.766	0.957	mg/Kg	05/21/2025	05/22/2025	6010D
7440-39-3	Barium	3.74	J	1	0.70	1.2	4.78	mg/Kg	05/21/2025	05/22/2025	6010D
7440-41-7	Beryllium	0.083	J	1	0.024	0.072	0.287	mg/Kg	05/21/2025	05/22/2025	6010D
7440-43-9	Cadmium	0.072	J	1	0.023	0.072	0.287	mg/Kg	05/21/2025	05/22/2025	6010D
7440-70-2	Calcium	13700		1	11	23.9	95.7	mg/Kg	05/21/2025	05/22/2025	6010D
7440-47-3	Chromium	3.42		1	0.045	0.12	0.478	mg/Kg	05/21/2025	05/22/2025	6010D
7440-48-4	Cobalt	0.992	J	1	0.096	0.359	1.44	mg/Kg	05/21/2025	05/22/2025	6010D
7440-50-8	Copper	1.78		1	0.21	0.766	0.957	mg/Kg	05/21/2025	05/22/2025	6010D
7439-89-6	Iron	2840		1	3.8	3.83	4.78	mg/Kg	05/21/2025	05/22/2025	6010D
7439-92-1	Lead	1.62		1	0.12	0.459	0.574	mg/Kg	05/21/2025	05/22/2025	6010D
7439-95-4	Magnesium	8060		1	12	23.9	95.7	mg/Kg	05/21/2025	05/22/2025	6010D
7439-96-5	Manganese	33.1		1	0.13	0.239	0.957	mg/Kg	05/21/2025	05/22/2025	6010D
7440-02-0	Nickel	1.89	J	1	0.12	0.478	1.91	mg/Kg	05/21/2025	05/22/2025	6010D
7440-09-7	Potassium	119		1	27	76.6	95.7	mg/Kg	05/21/2025	05/22/2025	6010D
7782-49-2	Selenium	-0.159	U	1	0.25	0.766	0.957	mg/Kg	05/21/2025	05/22/2025	6010D
7440-22-4	Silver	-0.002	U	1	0.12	0.239	0.478	mg/Kg	05/21/2025	05/22/2025	6010D
7440-23-5	Sodium	25.1	J	1	17	76.6	95.7	mg/Kg	05/21/2025	05/22/2025	6010D
7440-28-0	Thallium	0.126	U	1	0.22	0.957	1.91	mg/Kg	05/21/2025	05/22/2025	6010D
7440-62-2	Vanadium	3.57		1	0.24	0.957	1.91	mg/Kg	05/21/2025	05/22/2025	6010D
7440-66-6	Zinc	5		1	0.22	0.478	1.91	mg/Kg	05/21/2025	05/22/2025	6010D

Report of Analysis

Client:		Date Collected:	5/20/2025 12:00:00 AM
Project:	LB135892	Date Received:	5/20/2025 12:00:00 AM
Client Sample ID:	VNJ-202	SDG No.:	LB135892
Lab Sample ID:	Q2092-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	403	J	1	57	400	500	ug/L	05/21/2025	05/22/2025	6010D
7440-36-0	Antimony	-9.59	U	1	34	62.5	250	ug/L	05/21/2025	05/22/2025	6010D
7440-38-2	Arsenic	-27.7	U	1	26	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-39-3	Barium	1100		1	73	125	500	ug/L	05/21/2025	05/22/2025	6010D
7440-41-7	Beryllium	1.84	U	1	2.8	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-43-9	Cadmium	3.95	J	1	2.5	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-70-2	Calcium	34500		1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-47-3	Chromium	106		1	11	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-48-4	Cobalt	31	J	1	11	37.5	150	ug/L	05/21/2025	05/22/2025	6010D
7440-50-8	Copper	113		1	23	80	100	ug/L	05/21/2025	05/22/2025	6010D
7439-89-6	Iron	870		1	120	400	500	ug/L	05/21/2025	05/22/2025	6010D
7439-92-1	Lead	13.5	J	1	12	48	60	ug/L	05/21/2025	05/22/2025	6010D
7439-95-4	Magnesium	8740	J	1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7439-96-5	Manganese	8590		1	30	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-02-0	Nickel	76.8	J	1	15	50	200	ug/L	05/21/2025	05/22/2025	6010D
7440-09-7	Potassium	9430	J	1	4600	8000	10000	ug/L	05/21/2025	05/22/2025	6010D
7782-49-2	Selenium	7.95	U	1	48	80	100	ug/L	05/21/2025	05/22/2025	6010D
7440-22-4	Silver	-0.855	U	1	8.1	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-23-5	Sodium	1.55e+006		1	4300	5000	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-28-0	Thallium	-31.1	U	1	22	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-62-2	Vanadium	0.793	U	1	31	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-66-6	Zinc	677		1	83	75	200	ug/L	05/21/2025	05/22/2025	6010D

Report of Analysis

Client:		Date Collected:	5/20/2025 12:00:00 AM
Project:	LB135892	Date Received:	5/20/2025 12:00:00 AM
Client Sample ID:	SOIL-DRUM	SDG No.:	LB135892
Lab Sample ID:	Q2093-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	415	J	1	57	400	500	ug/L	05/21/2025	05/22/2025	6010D
7440-36-0	Antimony	5.26	U	1	34	62.5	250	ug/L	05/21/2025	05/22/2025	6010D
7440-38-2	Arsenic	-33.4	U	1	26	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-39-3	Barium	521		1	73	125	500	ug/L	05/21/2025	05/22/2025	6010D
7440-41-7	Beryllium	-0.325	U	1	2.8	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-43-9	Cadmium	6.65	J	1	2.5	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-70-2	Calcium	170000		1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-47-3	Chromium	18.2	J	1	11	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-48-4	Cobalt	1.51	U	1	11	37.5	150	ug/L	05/21/2025	05/22/2025	6010D
7440-50-8	Copper	708		1	23	80	100	ug/L	05/21/2025	05/22/2025	6010D
7439-89-6	Iron	359	J	1	120	400	500	ug/L	05/21/2025	05/22/2025	6010D
7439-92-1	Lead	49.4	J	1	12	48	60	ug/L	05/21/2025	05/22/2025	6010D
7439-95-4	Magnesium	26300		1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7439-96-5	Manganese	2830		1	30	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-02-0	Nickel	20.6	J	1	15	50	200	ug/L	05/21/2025	05/22/2025	6010D
7440-09-7	Potassium	12300		1	4600	8000	10000	ug/L	05/21/2025	05/22/2025	6010D
7782-49-2	Selenium	0.421	U	1	48	80	100	ug/L	05/21/2025	05/22/2025	6010D
7440-22-4	Silver	1.33	U	1	8.1	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-23-5	Sodium	1.54e+006		1	4300	5000	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-28-0	Thallium	-17.8	U	1	22	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-62-2	Vanadium	7.23	U	1	31	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-66-6	Zinc	2690		1	83	75	200	ug/L	05/21/2025	05/22/2025	6010D

Report of Analysis

Client:		Date Collected:	5/20/2025 12:00:00 AM
Project:	LB135892	Date Received:	5/20/2025 12:00:00 AM
Client Sample ID:	COMP-1	SDG No.:	LB135892
Lab Sample ID:	Q2094-06	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	-176	U	1	57	400	500	ug/L	05/21/2025	05/22/2025	6010D
7440-36-0	Antimony	11.4	U	1	34	62.5	250	ug/L	05/21/2025	05/22/2025	6010D
7440-38-2	Arsenic	-33.4	U	1	26	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-39-3	Barium	705		1	73	125	500	ug/L	05/21/2025	05/22/2025	6010D
7440-41-7	Beryllium	-0.515	U	1	2.8	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-43-9	Cadmium	0.483	U	1	2.5	7.5	30	ug/L	05/21/2025	05/22/2025	6010D
7440-70-2	Calcium	739000		1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-47-3	Chromium	3.07	U	1	11	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-48-4	Cobalt	-1.86	U	1	11	37.5	150	ug/L	05/21/2025	05/22/2025	6010D
7440-50-8	Copper	7.28	U	1	23	80	100	ug/L	05/21/2025	05/22/2025	6010D
7439-89-6	Iron	111	U	1	120	400	500	ug/L	05/21/2025	05/22/2025	6010D
7439-92-1	Lead	8.45	U	1	12	48	60	ug/L	05/21/2025	05/22/2025	6010D
7439-95-4	Magnesium	7310	J	1	1200	2500	10000	ug/L	05/21/2025	05/22/2025	6010D
7439-96-5	Manganese	35.5	J	1	30	75	100	ug/L	05/21/2025	05/22/2025	6010D
7440-02-0	Nickel	2.54	U	1	15	50	200	ug/L	05/21/2025	05/22/2025	6010D
7440-09-7	Potassium	22700		1	4600	8000	10000	ug/L	05/21/2025	05/22/2025	6010D
7782-49-2	Selenium	-45.4	U	1	48	80	100	ug/L	05/21/2025	05/22/2025	6010D
7440-22-4	Silver	-2.98	U	1	8.1	25	50	ug/L	05/21/2025	05/22/2025	6010D
7440-23-5	Sodium	1.51e+006		1	4300	5000	10000	ug/L	05/21/2025	05/22/2025	6010D
7440-28-0	Thallium	-27.3	U	1	22	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-62-2	Vanadium	14.3	U	1	31	100	200	ug/L	05/21/2025	05/22/2025	6010D
7440-66-6	Zinc	20.5	U	1	83	75	200	ug/L	05/21/2025	05/22/2025	6010D

Report of Analysis

Client:		Date Collected:	5/20/2025 12:00:00 AM
Project:	LB135892	Date Received:	5/20/2025 12:00:00 AM
Client Sample ID:	COMP-1	SDG No.:	LB135892
Lab Sample ID:	Q2094-06	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB135892 **SDG No.:** LB135892
Contract: **Lab Code:** CHEM **Case No.:** LB135892 **SAS No.:** LB135892

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168106BS							
Aluminum	mg/Kg	100	94		94	80 - 120	P
Antimony	mg/Kg	40	38.2		95.5	80 - 120	P
Arsenic	mg/Kg	40	38		95	80 - 120	P
Barium	mg/Kg	10	9.63		96.3	80 - 120	P
Beryllium	mg/Kg	10	9.09		90.9	80 - 120	P
Cadmium	mg/Kg	10	9.53		95.3	80 - 120	P
Calcium	mg/Kg	50	47.5	J	95	80 - 120	P
Chromium	mg/Kg	20	19.4		97	80 - 120	P
Cobalt	mg/Kg	10	9.5		95	80 - 120	P
Copper	mg/Kg	15	15		100	80 - 120	P
Iron	mg/Kg	150	156		104	80 - 120	P
Lead	mg/Kg	50	46.5		93	80 - 120	P
Magnesium	mg/Kg	100	93	J	93	80 - 120	P
Manganese	mg/Kg	10	9.66		96.6	80 - 120	P
Nickel	mg/Kg	25	24		96	80 - 120	P
Potassium	mg/Kg	500	490		98	80 - 120	P
Selenium	mg/Kg	100	96.2		96.2	80 - 120	P
Silver	mg/Kg	3.8	3.57		93.9	80 - 120	P
Sodium	mg/Kg	150	161		107.3	80 - 120	P
Thallium	mg/Kg	100	95.5		95.5	80 - 120	P
Vanadium	mg/Kg	15	14.4		96	80 - 120	P
Zinc	mg/Kg	10	10.09		100.9	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB135892 **SDG No.:** LB135892
Contract: **Lab Code:** CHEM **Case No.:** LB135892 **SAS No.:** LB135892

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168113BS							
Aluminum	ug/L	10000	9390		93.9	80 - 120	P
Antimony	ug/L	4000	3800		95	80 - 120	P
Arsenic	ug/L	4000	3770		94.3	80 - 120	P
Barium	ug/L	1000	974		97.4	80 - 120	P
Beryllium	ug/L	1000	949		94.9	80 - 120	P
Cadmium	ug/L	1000	955		95.5	80 - 120	P
Calcium	ug/L	5000	4890	J	97.8	80 - 120	P
Chromium	ug/L	2000	1990		99.5	80 - 120	P
Cobalt	ug/L	1000	952		95.2	80 - 120	P
Copper	ug/L	1500	1490		99.3	80 - 120	P
Iron	ug/L	15000	15400		102.7	80 - 120	P
Lead	ug/L	5000	4670		93.4	80 - 120	P
Magnesium	ug/L	10000	9520	J	95.2	80 - 120	P
Manganese	ug/L	1000	978		97.8	80 - 120	P
Nickel	ug/L	2500	2400		96	80 - 120	P
Potassium	ug/L	50000	47700		95.4	80 - 120	P
Selenium	ug/L	10000	9550		95.5	80 - 120	P
Silver	ug/L	380	358		94.2	80 - 120	P
Sodium	ug/L	15000	16200		108	80 - 120	P
Thallium	ug/L	10000	9590		95.9	80 - 120	P
Vanadium	ug/L	1500	1460		97.3	80 - 120	P
Zinc	ug/L	1000	1000		100	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB135892 **SDG No.:** LB135892
Contract: **Lab Code:** CHEM **Case No.:** LB135892 **SAS No.:** LB135892

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168117BS							
Aluminum	mg/Kg	100	93.5		93.5	80 - 120	P
Antimony	mg/Kg	40	38.1		95.3	80 - 120	P
Arsenic	mg/Kg	40	38.1		95.3	80 - 120	P
Barium	mg/Kg	10	9.58		95.8	80 - 120	P
Beryllium	mg/Kg	10	9.02		90.2	80 - 120	P
Cadmium	mg/Kg	10	9.34		93.4	80 - 120	P
Calcium	mg/Kg	50	47.6	J	95.2	80 - 120	P
Chromium	mg/Kg	20	19.1		95.5	80 - 120	P
Cobalt	mg/Kg	10	9.4		94	80 - 120	P
Copper	mg/Kg	15	15.1		100.7	80 - 120	P
Iron	mg/Kg	150	151		100.7	80 - 120	P
Lead	mg/Kg	50	45.5		91	80 - 120	P
Magnesium	mg/Kg	100	91.4	J	91.4	80 - 120	P
Manganese	mg/Kg	10	9.54		95.4	80 - 120	P
Nickel	mg/Kg	25	23.7		94.8	80 - 120	P
Potassium	mg/Kg	500	479		95.8	80 - 120	P
Selenium	mg/Kg	100	96.5		96.5	80 - 120	P
Silver	mg/Kg	3.8	3.53		92.9	80 - 120	P
Sodium	mg/Kg	150	163		108.7	80 - 120	P
Thallium	mg/Kg	100	95		95	80 - 120	P
Vanadium	mg/Kg	15	14.2		94.7	80 - 120	P
Zinc	mg/Kg	10	9.92		99.2	80 - 120	P

metals
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MATRIX SPIKE SUMMARY

client: LB135892 **level:** low **sdg no.:** LB135892
contract: **lab code:** CHEM **case no.:** LB135892 **sas no.:** LB135892
matrix: Solid **sample id:** Q2080-01 **client id:** PL-HRH-COMP-01MS
Percent Solids for Sample: 86.5 **Spiked ID:** Q2080-01MS **Percent Solids for Spike Sample:** 86.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	11400		9940		110	1374		P
Antimony	mg/Kg	75 - 125	15.4		2.51	U	42.8	36	N	P
Arsenic	mg/Kg	75 - 125	40.6		5.09		42.8	83		P
Barium	mg/Kg	75 - 125	94.4		86.8		10.7	71		P
Beryllium	mg/Kg	75 - 125	9.99		0.776		10.7	86		P
Cadmium	mg/Kg	75 - 125	10.21		0.097	J	10.7	95		P
Calcium	mg/Kg	75 - 125	987		906		53.5	151		P
Chromium	mg/Kg	75 - 125	37.1		18.4		21.4	87		P
Cobalt	mg/Kg	75 - 125	20.9		10.05		10.7	102		P
Copper	mg/Kg	75 - 125	23.8		9.77		16.1	87		P
Iron	mg/Kg	75 - 125	21000		22500		160	-974		P
Lead	mg/Kg	75 - 125	74.3		23.7		53.5	95		P
Magnesium	mg/Kg	75 - 125	4060		3360		110	639		P
Manganese	mg/Kg	75 - 125	620		615		10.7	51		P
Nickel	mg/Kg	75 - 125	46.3		18.9		26.8	102		P
Potassium	mg/Kg	75 - 125	1450		858		540	109		P
Selenium	mg/Kg	75 - 125	84.7		2.06		110	75		P
Silver	mg/Kg	75 - 125	3.49		0.136	J	4	84		P
Sodium	mg/Kg	75 - 125	253		98.7	J	160	97		P
Thallium	mg/Kg	75 - 125	97.3		1.68	J	110	87		P
Vanadium	mg/Kg	75 - 125	38.3		24.9		16.1	83		P
Zinc	mg/Kg	75 - 125	68.6		53		10.7	146		P

metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: LB135892 **level:** low **sdg no.:** LB135892
contract: **lab code:** CHEM **case no.:** LB135892 **sas no.:** LB135892
matrix: Solid **sample id:** Q2080-01 **client id:** PL-HRH-COMP-01MSD
Percent Solids for Sample: 86.5 **Spiked ID:** Q2080-01MSD **Percent Solids for Spike Sample:** 86.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	11300		9940		98.4	1413		P
Antimony	mg/Kg	75 - 125	14.5		2.51	U	39.4	36.8	N	P
Arsenic	mg/Kg	75 - 125	37.1		5.09		39.4	81		P
Barium	mg/Kg	75 - 125	96.8		86.8		9.8	102		P
Beryllium	mg/Kg	75 - 125	8.28		0.776		9.8	77		P
Cadmium	mg/Kg	75 - 125	9.13		0.097	J	9.8	92		P
Calcium	mg/Kg	75 - 125	957		906		49.2	104		P
Chromium	mg/Kg	75 - 125	35.6		18.4		19.7	87		P
Cobalt	mg/Kg	75 - 125	20.8		10.05		9.8	109		P
Copper	mg/Kg	75 - 125	22.2		9.77		14.8	84		P
Iron	mg/Kg	75 - 125	23300		22500		150	538		P
Lead	mg/Kg	75 - 125	69.7		23.7		49.2	94		P
Magnesium	mg/Kg	75 - 125	4070		3360		98.4	727		P
Manganese	mg/Kg	75 - 125	564		615		9.8	-519		P
Nickel	mg/Kg	75 - 125	45.6		18.9		24.6	109		P
Potassium	mg/Kg	75 - 125	1560		858		490	144	N	P
Selenium	mg/Kg	75 - 125	77.6		2.06		98.4	77		P
Silver	mg/Kg	75 - 125	3.56		0.136	J	3.7	92		P
Sodium	mg/Kg	75 - 125	261		98.7	J	150	108		P
Thallium	mg/Kg	75 - 125	91.3		1.68	J	98.4	91		P
Vanadium	mg/Kg	75 - 125	36.5		24.9		14.8	78		P
Zinc	mg/Kg	75 - 125	69.2		53		9.8	165		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: LB135892 **Level:** LOW **SDG No.:** LB135892
Contract: **Lab Code:** CHEM **Case No.:** LB135892 **SAS No.:** LB135892
Matrix: Solid **Sample ID:** Q2080-01 **Client ID:** PL-HRH-COMP-01DUP
Percent Solids for Sample: 86.5 **Duplicate ID** Q2080-01DUP **Percent Solids for Spike Sample:** 86.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	9940		9540		4		P
Antimony	mg/Kg	20	2.51	U	-0.194	U			P
Arsenic	mg/Kg	20	5.09		2.98		52	*	P
Barium	mg/Kg	20	86.8		84.4		3		P
Beryllium	mg/Kg	20	0.776		0.634		20		P
Cadmium	mg/Kg	20	0.097	J	-0.021	U	200.0		P
Calcium	mg/Kg	20	906		875		3		P
Chromium	mg/Kg	20	18.4		12.9		35	*	P
Cobalt	mg/Kg	20	10.05		9.33		7		P
Copper	mg/Kg	20	9.77		8.49		14		P
Iron	mg/Kg	20	22500		13800		48	*	P
Lead	mg/Kg	20	23.7		21.4		10		P
Magnesium	mg/Kg	20	3360		3430		2		P
Manganese	mg/Kg	20	615		579		6		P
Nickel	mg/Kg	20	18.9		17.7		7		P
Potassium	mg/Kg	20	858		876		2		P
Selenium	mg/Kg	20	2.06		1.08	J	62		P
Silver	mg/Kg	20	0.136	J	0.157	J	14		P
Sodium	mg/Kg	20	98.7	J	93.9	J	5		P
Thallium	mg/Kg	20	1.68	J	0.77	J	74		P
Vanadium	mg/Kg	20	24.9		16.5		41	*	P
Zinc	mg/Kg	20	53		53		0		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: LB135892 **Level:** LOW **SDG No.:** LB135892
Contract: **Lab Code:** CHEM **Case No.:** LB135892 **SAS No.:** LB135892
Matrix: Solid **Sample ID:** Q2080-01MS **Client ID:** PL-HRH-COMP-01MSD
Percent Solids for Sample: 86.5 **Duplicate ID** Q2080-01MSD **Percent Solids for Spike Sample:** 86.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	11400		11300		1		P
Antimony	mg/Kg	20	15.4		14.5		6		P
Arsenic	mg/Kg	20	40.6		37.1		9		P
Barium	mg/Kg	20	94.4		96.8		3		P
Beryllium	mg/Kg	20	9.99		8.28		19		P
Cadmium	mg/Kg	20	10.21		9.13		11		P
Calcium	mg/Kg	20	987		957		3		P
Chromium	mg/Kg	20	37.1		35.6		4		P
Cobalt	mg/Kg	20	20.9		20.8		0		P
Copper	mg/Kg	20	23.8		22.2		7		P
Iron	mg/Kg	20	21000		23300		10		P
Lead	mg/Kg	20	74.3		69.7		6		P
Magnesium	mg/Kg	20	4060		4070		0		P
Manganese	mg/Kg	20	620		564		9		P
Nickel	mg/Kg	20	46.3		45.6		2		P
Potassium	mg/Kg	20	1450		1560		7		P
Selenium	mg/Kg	20	84.7		77.6		9		P
Silver	mg/Kg	20	3.49		3.56		2		P
Sodium	mg/Kg	20	253		261		3		P
Thallium	mg/Kg	20	97.3		91.3		6		P
Vanadium	mg/Kg	20	38.3		36.5		5		P
Zinc	mg/Kg	20	68.6		69.2		1		P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

PL-HRH-COMP-01L

Lab Name: Chemtech Consulting Group

Contract:

Lab Code: CHEM **Lb No.:** **Lab Sample ID :** Q2080-01L **SDG No.:** LB135892

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ-ence	Q	M
	C		C				
Aluminum	9940		10700		-8		P
Antimony	2.51	U	0.029	U			P
Arsenic	5.09		4.51	J	11		P
Barium	86.8		92.6		-7		P
Beryllium	0.776		0.913	J	-18		P
Cadmium	0.097	J	-0.346	U	100.0		P
Calcium	906		1010		-12		P
Chromium	18.4		20		-9		P
Cobalt	10.05		9.78		3		P
Copper	9.77		11.6		-19		P
Iron	22500		23800		-6		P
Lead	23.7		23.5		1		P
Magnesium	3360		3730		-11		P
Manganese	615		682		-11		P
Nickel	18.9		18.7		1		P
Potassium	858		840		2		P
Selenium	2.06		2.19	J	-6		P
Silver	0.136	J	-0.105	U	100.0		P
Sodium	98.7	J	88.5	U	100.0		P
Thallium	1.68	J	1.6	J	5		P
Vanadium	24.9		27.7		-11		P
Zinc	53		58.6		-10		P

Metals

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SAMPLE PREPARATION SUMMARY

Client: LB135892 **SDG No.:** LB135892
Contract: **Lab Code:** CHEM **Method:**
Case No.: LB135892 **SAS No.:** LB135892

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168087							
Q2080-01	PL-HRH-COMP-01	SAM	SOLID	05/22/2025	2.30	100.0	86.50
Q2080-01DUP	PL-HRH-COMP-01DUP	DUP	SOLID	05/22/2025	2.11	100.0	86.50
Q2080-01MS	PL-HRH-COMP-01MS	MS	SOLID	05/22/2025	2.16	100.0	86.50
Q2080-01MSD	PL-HRH-COMP-01MSD	MSD	SOLID	05/22/2025	2.35	100.0	86.50

Metals

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SAMPLE PREPARATION SUMMARY

Client: LB135892 **SDG No.:** LB135892
Contract: **Lab Code:** CHEM **Method:**
Case No.: LB135892 **SAS No.:** LB135892

						Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Sample ID	Client ID	Sample Type	Matrix	Prep Date				
Batch Number: PB168106								
PB168106BL	PB168106BL	MB	SOLID	05/22/2025		2.00	100.0	100.00
PB168106BS	PB168106BS	LCS	SOLID	05/22/2025		2.00	100.0	100.00
Q2087-01	NB-07-05202025	SAM	SOLID	05/22/2025		2.20	100.0	91.80
Q2087-03	NB-08-05202025	SAM	SOLID	05/22/2025		2.20	100.0	95.00

Metals

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SAMPLE PREPARATION SUMMARY

Client: LB135892 **SDG No.:** LB135892
Contract: **Lab Code:** CHEM **Method:**
Case No.: LB135892 **SAS No.:** LB135892

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168113							
PB168113BL	PB168113BL	MB	WATER	05/22/2025	5.0	25.0	
PB168113BS	PB168113BS	LCS	WATER	05/22/2025	5.0	25.0	
Q2078-03	WC-A4-04-C	SAM	WATER	05/22/2025	5.0	25.0	
Q2078-07	WC-A4-05-C	SAM	WATER	05/22/2025	5.0	25.0	
Q2078-11	WC-A1-06A-C	SAM	WATER	05/22/2025	5.0	25.0	
Q2078-15	WC-A1-07A-C	SAM	WATER	05/22/2025	5.0	25.0	
Q2078-19	WC-A4-06-C	SAM	WATER	05/22/2025	5.0	25.0	
Q2079-03	WC-A2-01-C	SAM	WATER	05/22/2025	5.0	25.0	
Q2079-07	WC-A2-02-C	SAM	WATER	05/22/2025	5.0	25.0	
Q2079-11	WC-A2-03-C	SAM	WATER	05/22/2025	5.0	25.0	
Q2084-05	OR-640-COMP-66	SAM	WATER	05/22/2025	5.0	25.0	
Q2092-02	VNJ-202	SAM	WATER	05/22/2025	5.0	25.0	
Q2093-02	SOIL-DRUM	SAM	WATER	05/22/2025	5.0	25.0	
Q2094-06	COMP-1	SAM	WATER	05/22/2025	5.0	25.0	



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Reviewed By:jaswal
On:5/28/2025 12:46:23
AM
Inst Id :P4
LB :LB135892

Metals

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SAMPLE PREPARATION SUMMARY

Client: LB135892 **SDG No.:** LB135892
Contract: **Lab Code:** CHEM **Method:**
Case No.: LB135892 **SAS No.:** LB135892

						Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Sample ID	Client ID	Sample Type	Matrix	Prep Date				
Batch Number: PB168117								
PB168117BL	PB168117BL	MB	SOLID	05/22/2025		2.00	100.0	100.00
PB168117BS	PB168117BS	LCS	SOLID	05/22/2025		2.00	100.0	100.00