

Daily Analysis Runlog For Sequence/QC Batch ID # LB90279

Review By		Review On				
SubDirectory		LB90279		Test : Metals ICP-TAL		
STD. NAME		STD REF.#				
ICAL Standard		N/A				
ICV Standard		N/A				
CCV Standard		N/A				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		N/A				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	TUNE	TUNE	TUNE	09/22/17 12:53		OK
2	S0	S0	CAL1	09/22/17 13:15		OK
3	S2	S2	CAL3	09/22/17 13:22		OK
4	S3	S3	CAL4	09/22/17 13:25		OK
5	S4	S4	CAL5	09/22/17 13:29		OK
6	S5	S5	CAL6	09/22/17 13:32		OK
7	S6	S6	CAL7	09/22/17 13:35		OK
8	S7	S7	CAL8	09/22/17 13:39		OK
9	S8	S8	CAL9	09/22/17 13:42		OK
10	ICV01	ICV01	ICV	09/22/17 13:45		OK
11	ICB01	ICB01	ICB	09/22/17 13:48		OK
12	ICSA01	ICSA01	ICSA	09/22/17 13:51		OK
13	ICSAB01	ICSAB01	ICSAB	09/22/17 13:54		OK
14	CCV45	CCV45	CCV	09/22/17 14:06		OK
15	CCB45	CCB45	CCB	09/22/17 14:08		OK
16	CRI	CRI	CRDL	09/22/17 14:12		OK
17	PB102520BL	PBS002	MB	09/22/17 14:15	Not used	Not Ok
18	PB102520BS	LCS002	LCS	09/22/17 14:18	Not used	Not Ok
19	PB102521BL	PBS002	MB	09/22/17 14:25	Not used	Not Ok
20	PB102521BS	LCS002	LCS	09/22/17 14:28	Not used	Not Ok
21	I5346-01	MET1Z1	SAM	09/22/17 14:31	Not used	Not Ok

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Review By		Review On				
SubDirectory		LB90279		Test : Metals CLP MS		
STD. NAME		STD REF.#				
ICAL Standard		N/A				
ICV Standard		N/A				
CCV Standard		N/A				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		N/A				
22	I5346-02	MET1Z2	SAM	09/22/17 14:34	Not used	Not Ok
23	I5346-03	MET1Z3	SAM	09/22/17 14:37	Not used	Not Ok
24	I5346-04	MET1Z4	SAM	09/22/17 14:40	Not used	Not Ok
25	I5346-05	MET1Z5	SAM	09/22/17 14:43	Not used	Not Ok
26	I5346-06	MET1Z6	SAM	09/22/17 14:46	Not used	Not Ok
27	I5346-07	MET1Z7	SAM	09/22/17 14:49	Not used	Not Ok
28	I5346-08	MET1Z8	SAM	09/22/17 14:53	Not used	Not Ok
29	I5346-09	MET1Z9	SAM	09/22/17 14:56	Not used	Not Ok
30	I5346-10	MET200	SAM	09/22/17 14:59	Not used	Not Ok
31	I5346-10L	MET200L	SD	09/22/17 15:02	Not used	Not Ok
32	I5346-11	MET200D	DUP	09/22/17 15:05	Not used	Not Ok
33	I5346-12	MET200S	MS	09/22/17 15:08	Not used	Not Ok
34	I5346-13	MET201	SAM	09/22/17 15:11	Not used	Not Ok
35	I5346-14	MET202	SAM	09/22/17 15:14	Not used	Not Ok
36	I5346-15	MET203	SAM	09/22/17 15:17	Not used	Not Ok
37	I5346-16	MET204	SAM	09/22/17 15:21	Not used	Not Ok
38	I5346-12RE	MET200S	MS	09/22/17 15:24	Not used	Not Ok
39	I5346-13RE	MET201	SAM	09/22/17 15:27	Not used	Not Ok
40	CCV46	CCV46	CCV	09/22/17 15:30		OK
41	CCB46	CCB46	CCB	09/22/17 15:33		OK
42	I5346-17	MET205	SAM	09/22/17 15:36	Not used	Not Ok
43	I5346-18	MET206	SAM	09/22/17 15:39	Not used	Not Ok

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STD. NAME		STD REF.#				
ICAL Standard		N/A				
ICV Standard		N/A				
CCV Standard		N/A				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		N/A				
44	I5346-19	MET207	SAM	09/22/17 15:42	Not used	Not Ok
45	I5346-20	MET208	SAM	09/22/17 15:45	Not used	Not Ok
46	I5346-21	MET2A9	SAM	09/22/17 15:48	Not used	Not Ok
47	I5346-22	MET2B0	SAM	09/22/17 15:51	Not used	Not Ok
48	I5346-01DL	MET1Z1	SAM	09/22/17 15:55	Not used	Not Ok
49	I5346-22DL	MET2B0	SAM	09/22/17 15:58	Not used	Not Ok
50	I5346-02DL	MET1Z2	SAM	09/22/17 16:01	Not used	Not Ok
51	I5346-03DL	MET1Z3	SAM	09/22/17 16:04	Not used	Not Ok
52	I5346-04DL	MET1Z4	SAM	09/22/17 16:07	Not used	Not Ok
53	I5346-05DL	MET1Z5	SAM	09/22/17 16:10	Not used	Not Ok
54	I5346-05DLRE	MET1Z5	SAM	09/22/17 16:13	Not used	Not Ok
55	I5346-06DL	MET1Z6	SAM	09/22/17 16:16	Not used	Not Ok
56	I5346-07DL	MET1Z7	SAM	09/22/17 16:20	Not used	Not Ok
57	I5346-08DL	MET1Z8	SAM	09/22/17 16:23	Not used	Not Ok
58	I5346-09DL	MET1Z9	SAM	09/22/17 16:26	Not used	Not Ok
59	I5346-09DLRE	MET1Z9	SAM	09/22/17 16:29	Not used	Not Ok
60	I5346-10DL	MET200	SAM	09/22/17 16:32	Not used	Not Ok
61	I5346-11DL	MET200D	DUP	09/22/17 16:35	Not used	Not Ok
62	I5346-10LDL	MET200L	SD	09/22/17 16:38	Not used	Not Ok
63	I5346-12DL	MET200S	MS	09/22/17 16:41	Not used	Not Ok
64	I5346-13DL	MET201	SAM	09/22/17 16:44	Not used	Not Ok
65	I5346-14DL	MET202	SAM	09/22/17 16:48	Not used	Not Ok

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SubDirectory		LB90279		Test : Metals CLP MS		
STD. NAME		STD REF.#				
ICAL Standard		N/A				
ICV Standard		N/A				
CCV Standard		N/A				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		N/A				
66	I5346-15DL	MET203	SAM	09/22/17 16:51	Not used	Not Ok
67	CCV47	CCV47	CCV	09/22/17 16:54		OK
68	CCB47	CCB47	CCB	09/22/17 16:57		OK
69	I5346-16DL	MET204	SAM	09/22/17 17:00	Not used	Not Ok
70	I5346-17DL	MET205	SAM	09/22/17 17:03	Not used	Not Ok
71	I5346-18DL	MET206	SAM	09/22/17 17:06	Not used	Not Ok
72	I5346-19DL	MET207	SAM	09/22/17 17:09	Not used	Not Ok
73	I5346-20DL	MET208	SAM	09/22/17 17:12	Not used	Not Ok
74	I5346-21DL	MET2A9	SAM	09/22/17 17:16	Not used	Not Ok
75	I5346-22DL2	MET2B0	SAM	09/22/17 17:19	Not used	Not Ok
76	I5347-01	MET2B1	SAM	09/22/17 17:22	Not used	Not Ok
77	I5347-02	MET2B2	SAM	09/22/17 17:25	Not used	Not Ok
78	I5347-03	MET2B3	SAM	09/22/17 17:28	Not used	Not Ok
79	I5347-04	MET2B4	SAM	09/22/17 17:31	Not used	Not Ok
80	I5347-05	MET2B4D	DUP	09/22/17 17:34	Not used	Not Ok
81	I5347-04L	MET2B4L	SD	09/22/17 17:37	Not used	Not Ok
82	I5347-06	MET2B4S	MS	09/22/17 17:40	Not used	Not Ok
83	I5347-07	MET2B5	SAM	09/22/17 17:44	Not used	Not Ok
84	I5347-01RE	MET2B1	SAM	09/22/17 17:47	Not used	Not Ok
85	I5347-01DL	MET2B1	SAM	09/22/17 17:50	Not used	Not Ok
86	I5347-02DL	MET2B2	SAM	09/22/17 17:53	Not used	Not Ok
87	I5347-03DL	MET2B3	SAM	09/22/17 17:56	Not used	Not Ok

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ICV Standard		N/A				
CCV Standard		N/A				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		N/A				
88	I5347-04DL	MET2B4	SAM	09/22/17 17:59	Not used	Not Ok
89	I5347-05DL	MET2B4D	DUP	09/22/17 18:02	Not used	Not Ok
90	I5347-04LDL	MET2B4L	SD	09/22/17 18:05	Not used	Not Ok
91	I5347-06DL	MET2B4S	MS	09/22/17 18:08	Not used	Not Ok
92	I5347-07DL	MET2B5	SAM	09/22/17 18:12	Not used	Not Ok
93	I5347-02DLRE	MET2B2	SAM	09/22/17 18:15	Not used	Not Ok
94	I5347-03DLRE	MET2B3	SAM	09/22/17 18:18	Not used	Not Ok
95	I5347-04LDLRE	MET2B4L	SD	09/22/17 18:21	Not used	Not Ok
96	I5347-06DLRE	MET2B4S	MS	09/22/17 18:24	Not used	Not Ok
97	I5347-04LDLRE2	MET2B4L	SD	09/22/17 18:27	Not used	Not Ok
98	CCV48	CCV48	CCV	09/22/17 18:30		OK
99	CCB48	CCB48	CCB	09/22/17 18:43		OK
100	I5259-01DL	20170603-COMP-DD	SAM	09/22/17 18:46	20X for Na	Confirms
101	I5259-01LDL	20170603-COMP-DL	SD	09/22/17 18:52	20X for Na	Confirms
102	I5259-01DUPDL	20170603-COMP-DD	DUP	09/22/17 18:58	20X for Na	Confirms
103	I5259-01MSDL	20170603-COMP-DM	MS	09/22/17 19:05	20X for Na	Confirms
104	I5259-01MSDDL	20170603-COMP-DM	MSD	09/22/17 19:08	20X for Na	Confirms
105	I5259-01ADL	20170603-COMP-DA	PS	09/22/17 19:11	not required	Not Ok
106	I5259-02DL	20170602-COMP-CD	SAM	09/22/17 19:14	20X for Na	Confirms
107	I5259-04DL	20170600-COMP-AD	SAM	09/22/17 19:20	20X for Na	Confirms
108	I5259-03DL	20170601-COMP-BD	SAM	09/22/17 19:26	20X for Na	Confirms
109	I5259-05DL	20170603-COMP-DD	SAM	09/22/17 19:29	20X for Na	Confirms

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SubDirectory		LB90279		Test : Metals ICP-TAL		
STD. NAME		STD REF.#				
ICAL Standard		N/A				
ICV Standard		N/A				
CCV Standard		N/A				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		N/A				
110	CCV49	CCV49	CCV	09/22/17 19:36	ccv fail for Cr	OK
111	CCB49	CCB49	CCB	09/22/17 19:39		OK
112	I5259-06DL	20170602-COMP-CD	SAM	09/22/17 19:42	20X for Na	Confirms
113	I5259-07DL	20170601-COMP-BD	SAM	09/22/17 19:45	20X for Na	Confirms
114	I5259-08DL	20170600-COMP-AD	SAM	09/22/17 19:48	20X for Na	Confirms
115	PB102482BL	PB102482BL	MB	09/22/17 19:51		OK
116	PB102482BS	PB102482BS	LCS	09/22/17 19:54		OK
117	I5327-01	QADX-21-BS-BR15-V	SAM	09/22/17 19:57		OK
118	I5327-02	QADX-21-BS-BR15-V	SAM	09/22/17 20:00		OK
119	I5327-03	QADX-21-BS-BR15-V	SAM	09/22/17 20:03		OK
120	CCV50	CCV50	CCV	09/22/17 20:07		OK
121	CCB50	CCB50	CCB	09/22/17 20:10		OK

Report of Analysis

Client:		Date Collected:	9/12/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/15/2017 12:00:00 AM
Client Sample ID:	20170603-COMP-DDL	SDG No.:	LB90279
Lab Sample ID:	I5259-01DL	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	371	JD	20	31.9	200	400	ug/L	09/20/2017	09/22/2017	6020
7440-36-0	Antimony	1.4	JD	20	0.672	20	40	ug/L	09/20/2017	09/22/2017	6020
7440-38-2	Arsenic	10	JD	20	1.52	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-39-3	Barium	26	JD	20	2.85	100	200	ug/L	09/20/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	1.13	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-43-9	Cadmium	1.4	JD	20	1.17	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-70-2	Calcium	240000	D	20	73.9	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7440-47-3	Chromium	1.2	JD	20	1.11	20	40	ug/L	09/20/2017	09/22/2017	6020
7440-48-4	Cobalt	0	UD	20	0.598	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-50-8	Copper	3.6	JD	20	1.08	20	40	ug/L	09/20/2017	09/22/2017	6020
7439-89-6	Iron	132	JD	20	57.7	500	1000	ug/L	09/20/2017	09/22/2017	6020
7439-92-1	Lead	2.2	JD	20	0.42	10	20	ug/L	09/20/2017	09/22/2017	6020
7439-95-4	Magnesium	750000	D	20	49.8	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7439-96-5	Manganese	49.8	D	20	1.44	10	20	ug/L	09/20/2017	09/22/2017	6020
7439-98-7	Molybdenum	9.4	JD	20	0.846	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-02-0	Nickel	0	UD	20	1.28	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-09-7	Potassium	227000	D	20	257	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7782-49-2	Selenium	11.6	UD	20	29.6	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-22-4	Silver	7	JD	20	0.598	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-23-5	Sodium	6.06e+006	D	20	56.5	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7440-28-0	Thallium	0.4	UD	20	0.656	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-31-5	Tin	1.4	JD	20	0.566	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-61-1	Uranium	3.4	JD	20	0.052	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-62-2	Vanadium	17.2	JD	20	0.868	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-66-6	Zinc	2.4	UD	20	3.62	20	40	ug/L	09/20/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/13/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/15/2017 12:00:00 AM
Client Sample ID:	20170602-COMP-CDL	SDG No.:	LB90279
Lab Sample ID:	I5259-02DL	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	817	D	20	31.9	200	400	ug/L	09/20/2017	09/22/2017	6020
7440-36-0	Antimony	0.6	UD	20	0.672	20	40	ug/L	09/20/2017	09/22/2017	6020
7440-38-2	Arsenic	3.6	JD	20	1.52	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-39-3	Barium	18.8	JD	20	2.85	100	200	ug/L	09/20/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	1.13	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-43-9	Cadmium	2	JD	20	1.17	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-70-2	Calcium	264000	D	20	73.9	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7440-47-3	Chromium	4	JD	20	1.11	20	40	ug/L	09/20/2017	09/22/2017	6020
7440-48-4	Cobalt	0	UD	20	0.598	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-50-8	Copper	3.8	JD	20	1.08	20	40	ug/L	09/20/2017	09/22/2017	6020
7439-89-6	Iron	888	JD	20	57.7	500	1000	ug/L	09/20/2017	09/22/2017	6020
7439-92-1	Lead	2.2	JD	20	0.42	10	20	ug/L	09/20/2017	09/22/2017	6020
7439-95-4	Magnesium	820000	D	20	49.8	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7439-96-5	Manganese	34.2	D	20	1.44	10	20	ug/L	09/20/2017	09/22/2017	6020
7439-98-7	Molybdenum	8.2	JD	20	0.846	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-02-0	Nickel	0	UD	20	1.28	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-09-7	Potassium	252000	D	20	257	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7782-49-2	Selenium	9	UD	20	29.6	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-22-4	Silver	1.4	JD	20	0.598	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-23-5	Sodium	6.65e+006	D	20	56.5	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7440-28-0	Thallium	0	UD	20	0.656	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-31-5	Tin	1.6	JD	20	0.566	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-61-1	Uranium	3.2	JD	20	0.052	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-62-2	Vanadium	12.4	JD	20	0.868	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-66-6	Zinc	33.8	JD	20	3.62	20	40	ug/L	09/20/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/13/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/15/2017 12:00:00 AM
Client Sample ID:	20170601-COMP-BDL	SDG No.:	LB90279
Lab Sample ID:	I5259-03DL	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	304	JD	20	31.9	200	400	ug/L	09/20/2017	09/22/2017	6020
7440-36-0	Antimony	1.2	JD	20	0.672	20	40	ug/L	09/20/2017	09/22/2017	6020
7440-38-2	Arsenic	6.8	JD	20	1.52	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-39-3	Barium	19.2	JD	20	2.85	100	200	ug/L	09/20/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	1.13	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-43-9	Cadmium	0.4	UD	20	1.17	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-70-2	Calcium	265000	D	20	73.9	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7440-47-3	Chromium	4.6	JD	20	1.11	20	40	ug/L	09/20/2017	09/22/2017	6020
7440-48-4	Cobalt	0	UD	20	0.598	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-50-8	Copper	2.8	JD	20	1.08	20	40	ug/L	09/20/2017	09/22/2017	6020
7439-89-6	Iron	282	JD	20	57.7	500	1000	ug/L	09/20/2017	09/22/2017	6020
7439-92-1	Lead	1.4	JD	20	0.42	10	20	ug/L	09/20/2017	09/22/2017	6020
7439-95-4	Magnesium	834000	D	20	49.8	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7439-96-5	Manganese	35.4	D	20	1.44	10	20	ug/L	09/20/2017	09/22/2017	6020
7439-98-7	Molybdenum	15.4	JD	20	0.846	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-02-0	Nickel	0	UD	20	1.28	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-09-7	Potassium	257000	D	20	257	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	29.6	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-22-4	Silver	1	JD	20	0.598	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-23-5	Sodium	6.78e+006	D	20	56.5	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7440-28-0	Thallium	0	UD	20	0.656	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-31-5	Tin	0.4	UD	20	0.566	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-61-1	Uranium	4.6	JD	20	0.052	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-62-2	Vanadium	17	JD	20	0.868	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-66-6	Zinc	14.4	JD	20	3.62	20	40	ug/L	09/20/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/13/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/15/2017 12:00:00 AM
Client Sample ID:	20170600-COMP-ADL	SDG No.:	LB90279
Lab Sample ID:	I5259-04DL	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	356	JD	20	31.9	200	400	ug/L	09/20/2017	09/22/2017	6020
7440-36-0	Antimony	1	JD	20	0.672	20	40	ug/L	09/20/2017	09/22/2017	6020
7440-38-2	Arsenic	8.8	JD	20	1.52	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-39-3	Barium	16.8	JD	20	2.85	100	200	ug/L	09/20/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	1.13	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-43-9	Cadmium	1.2	JD	20	1.17	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-70-2	Calcium	267000	D	20	73.9	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7440-47-3	Chromium	1.6	JD	20	1.11	20	40	ug/L	09/20/2017	09/22/2017	6020
7440-48-4	Cobalt	0.2	UD	20	0.598	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-50-8	Copper	2.6	JD	20	1.08	20	40	ug/L	09/20/2017	09/22/2017	6020
7439-89-6	Iron	348	JD	20	57.7	500	1000	ug/L	09/20/2017	09/22/2017	6020
7439-92-1	Lead	1.6	JD	20	0.42	10	20	ug/L	09/20/2017	09/22/2017	6020
7439-95-4	Magnesium	833000	D	20	49.8	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7439-96-5	Manganese	34.8	D	20	1.44	10	20	ug/L	09/20/2017	09/22/2017	6020
7439-98-7	Molybdenum	15.8	JD	20	0.846	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-02-0	Nickel	0	UD	20	1.28	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-09-7	Potassium	256000	D	20	257	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7782-49-2	Selenium	14.4	UD	20	29.6	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-22-4	Silver	1	JD	20	0.598	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-23-5	Sodium	6.77e+006	D	20	56.5	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7440-28-0	Thallium	0	UD	20	0.656	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-31-5	Tin	0.8	JD	20	0.566	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-61-1	Uranium	4.6	JD	20	0.052	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-62-2	Vanadium	17.2	JD	20	0.868	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-66-6	Zinc	10.4	JD	20	3.62	20	40	ug/L	09/20/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/12/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/15/2017 12:00:00 AM
Client Sample ID:	20170603-COMP-DDL	SDG No.:	LB90279
Lab Sample ID:	I5259-05DL	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	78.8	JD	20	31.9	200	400	ug/L	09/20/2017	09/22/2017	6020
7440-36-0	Antimony	0.6	UD	20	0.672	20	40	ug/L	09/20/2017	09/22/2017	6020
7440-38-2	Arsenic	9.8	JD	20	1.52	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-39-3	Barium	36.6	JD	20	2.85	100	200	ug/L	09/20/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	1.13	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-43-9	Cadmium	0.6	UD	20	1.17	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-70-2	Calcium	232000	D	20	73.9	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7440-47-3	Chromium	3.6	JD	20	1.11	20	40	ug/L	09/20/2017	09/22/2017	6020
7440-48-4	Cobalt	0	UD	20	0.598	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-50-8	Copper	3.6	JD	20	1.08	20	40	ug/L	09/20/2017	09/22/2017	6020
7439-89-6	Iron	10.2	UD	20	57.7	500	1000	ug/L	09/20/2017	09/22/2017	6020
7439-92-1	Lead	1	JD	20	0.42	10	20	ug/L	09/20/2017	09/22/2017	6020
7439-95-4	Magnesium	721000	D	20	49.8	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7439-96-5	Manganese	43.2	D	20	1.44	10	20	ug/L	09/20/2017	09/22/2017	6020
7439-98-7	Molybdenum	9.2	JD	20	0.846	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-02-0	Nickel	0	UD	20	1.28	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-09-7	Potassium	225000	D	20	257	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7782-49-2	Selenium	8.4	UD	20	29.6	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-22-4	Silver	0.8	JD	20	0.598	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-23-5	Sodium	5.93e+006	D	20	56.5	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7440-28-0	Thallium	0	UD	20	0.656	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-31-5	Tin	0.4	UD	20	0.566	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-61-1	Uranium	3.2	JD	20	0.052	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-62-2	Vanadium	15.4	JD	20	0.868	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-66-6	Zinc	11.8	JD	20	3.62	20	40	ug/L	09/20/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/13/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/15/2017 12:00:00 AM
Client Sample ID:	20170602-COMP-CDL	SDG No.:	LB90279
Lab Sample ID:	I5259-06DL	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	29.4	UD	20	31.9	200	400	ug/L	09/20/2017	09/22/2017	6020
7440-36-0	Antimony	2.4	JD	20	0.672	20	40	ug/L	09/20/2017	09/22/2017	6020
7440-38-2	Arsenic	3.8	JD	20	1.52	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-39-3	Barium	18	JD	20	2.85	100	200	ug/L	09/20/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	1.13	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-43-9	Cadmium	0	UD	20	1.17	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-70-2	Calcium	263000	D	20	73.9	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7440-47-3	Chromium	3.2	JD	20	1.11	20	40	ug/L	09/20/2017	09/22/2017	6020
7440-48-4	Cobalt	0	UD	20	0.598	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-50-8	Copper	3.4	JD	20	1.08	20	40	ug/L	09/20/2017	09/22/2017	6020
7439-89-6	Iron	20	UD	20	57.7	500	1000	ug/L	09/20/2017	09/22/2017	6020
7439-92-1	Lead	1.2	JD	20	0.42	10	20	ug/L	09/20/2017	09/22/2017	6020
7439-95-4	Magnesium	818000	D	20	49.8	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7439-96-5	Manganese	23.6	D	20	1.44	10	20	ug/L	09/20/2017	09/22/2017	6020
7439-98-7	Molybdenum	8.2	JD	20	0.846	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-02-0	Nickel	0	UD	20	1.28	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-09-7	Potassium	248000	D	20	257	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	29.6	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-22-4	Silver	2.4	JD	20	0.598	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-23-5	Sodium	6.69e+006	D	20	56.5	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7440-28-0	Thallium	1.2	JD	20	0.656	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-31-5	Tin	2.6	JD	20	0.566	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-61-1	Uranium	3.2	JD	20	0.052	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-62-2	Vanadium	9.4	JD	20	0.868	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-66-6	Zinc	10	JD	20	3.62	20	40	ug/L	09/20/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/13/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/15/2017 12:00:00 AM
Client Sample ID:	20170601-COMP-BDL	SDG No.:	LB90279
Lab Sample ID:	I5259-07DL	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	104	JD	20	31.9	200	400	ug/L	09/20/2017	09/22/2017	6020
7440-36-0	Antimony	2	JD	20	0.672	20	40	ug/L	09/20/2017	09/22/2017	6020
7440-38-2	Arsenic	6.4	JD	20	1.52	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-39-3	Barium	18.6	JD	20	2.85	100	200	ug/L	09/20/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	1.13	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-43-9	Cadmium	0.6	UD	20	1.17	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-70-2	Calcium	255000	D	20	73.9	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7440-47-3	Chromium	1.2	JD	20	1.11	20	40	ug/L	09/20/2017	09/22/2017	6020
7440-48-4	Cobalt	0	UD	20	0.598	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-50-8	Copper	30.4	JD	20	1.08	20	40	ug/L	09/20/2017	09/22/2017	6020
7439-89-6	Iron	42.6	UD	20	57.7	500	1000	ug/L	09/20/2017	09/22/2017	6020
7439-92-1	Lead	2.6	JD	20	0.42	10	20	ug/L	09/20/2017	09/22/2017	6020
7439-95-4	Magnesium	780000	D	20	49.8	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7439-96-5	Manganese	26	D	20	1.44	10	20	ug/L	09/20/2017	09/22/2017	6020
7439-98-7	Molybdenum	14.8	JD	20	0.846	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-02-0	Nickel	0	UD	20	1.28	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-09-7	Potassium	240000	D	20	257	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7782-49-2	Selenium	3.8	UD	20	29.6	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-22-4	Silver	1.4	JD	20	0.598	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-23-5	Sodium	6.35e+006	D	20	56.5	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7440-28-0	Thallium	0	UD	20	0.656	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-31-5	Tin	1.6	JD	20	0.566	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-61-1	Uranium	4.6	JD	20	0.052	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-62-2	Vanadium	11	JD	20	0.868	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-66-6	Zinc	42.2	D	20	3.62	20	40	ug/L	09/20/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/13/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/15/2017 12:00:00 AM
Client Sample ID:	20170600-COMP-ADL	SDG No.:	LB90279
Lab Sample ID:	I5259-08DL	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	79.6	JD	20	31.9	200	400	ug/L	09/20/2017	09/22/2017	6020
7440-36-0	Antimony	1.4	JD	20	0.672	20	40	ug/L	09/20/2017	09/22/2017	6020
7440-38-2	Arsenic	7.4	JD	20	1.52	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-39-3	Barium	16.6	JD	20	2.85	100	200	ug/L	09/20/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	1.13	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-43-9	Cadmium	0.8	UD	20	1.17	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-70-2	Calcium	267000	D	20	73.9	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7440-47-3	Chromium	1	UD	20	1.11	20	40	ug/L	09/20/2017	09/22/2017	6020
7440-48-4	Cobalt	0	UD	20	0.598	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-50-8	Copper	3	JD	20	1.08	20	40	ug/L	09/20/2017	09/22/2017	6020
7439-89-6	Iron	11	UD	20	57.7	500	1000	ug/L	09/20/2017	09/22/2017	6020
7439-92-1	Lead	1	JD	20	0.42	10	20	ug/L	09/20/2017	09/22/2017	6020
7439-95-4	Magnesium	843000	D	20	49.8	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7439-96-5	Manganese	27.6	D	20	1.44	10	20	ug/L	09/20/2017	09/22/2017	6020
7439-98-7	Molybdenum	15.4	JD	20	0.846	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-02-0	Nickel	0	UD	20	1.28	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-09-7	Potassium	259000	D	20	257	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7782-49-2	Selenium	10.6	UD	20	29.6	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-22-4	Silver	1.2	JD	20	0.598	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-23-5	Sodium	6.85e+006	D	20	56.5	5000	10000	ug/L	09/20/2017	09/22/2017	6020
7440-28-0	Thallium	0	UD	20	0.656	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-31-5	Tin	0.8	JD	20	0.566	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-61-1	Uranium	4.8	JD	20	0.052	10	20	ug/L	09/20/2017	09/22/2017	6020
7440-62-2	Vanadium	14.6	JD	20	0.868	50	100	ug/L	09/20/2017	09/22/2017	6020
7440-66-6	Zinc	12.8	JD	20	3.62	20	40	ug/L	09/20/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/20/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/20/2017 12:00:00 AM
Client Sample ID:	QADX-21-BS-BR15-W2-F1-1D	SDG No.:	LB90279
Lab Sample ID:	I5327-01	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	10.61	J	1	1.22	10	20	ug/L	09/20/2017	09/22/2017	200.8
7440-36-0	Antimony	0.06	J	1	0.044	1	2	ug/L	09/20/2017	09/22/2017	200.8
7440-38-2	Arsenic	0.33	J	1	0.05	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-39-3	Barium	16.4		1	0.3	5	10	ug/L	09/20/2017	09/22/2017	200.8
7440-41-7	Beryllium	0	U	1	0.096	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-43-9	Cadmium	0.06	J	1	0.054	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-70-2	Calcium	5730		1	4.81	250	500	ug/L	09/20/2017	09/22/2017	200.8
7440-47-3	Chromium	0	U	1	0.072	1	2	ug/L	09/20/2017	09/22/2017	200.8
7440-48-4	Cobalt	0.3	J	1	0.06	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-50-8	Copper	307		1	0.127	1	2	ug/L	09/20/2017	09/22/2017	200.8
7439-89-6	Iron	24.6	J	1	3.02	100	50	ug/L	09/20/2017	09/22/2017	200.8
7439-92-1	Lead	1.91		1	0.057	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7439-95-4	Magnesium	1440		1	5.77	250	500	ug/L	09/20/2017	09/22/2017	200.8
7439-96-5	Manganese	17.9		1	0.126	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7439-98-7	Molybdenum	0.02	U	1	0.059	3.9	5	ug/L	09/20/2017	09/22/2017	200.8
7440-02-0	Nickel	23.6		1	0.043	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-09-7	Potassium	463	J	1	8.08	250	500	ug/L	09/20/2017	09/22/2017	200.8
7782-49-2	Selenium	0	U	1	2.68	2.5	5	ug/L	09/20/2017	09/22/2017	200.8
7440-22-4	Silver	0.03	U	1	0.048	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-23-5	Sodium	8820		1	5.36	250	500	ug/L	09/20/2017	09/22/2017	200.8
7440-28-0	Thallium	0	U	1	0.045	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-31-5	Tin	0	U	1	0.07	2.5	5	ug/L	09/20/2017	09/22/2017	200.8
7440-61-1	Uranium	0	U	1	0.056	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-62-2	Vanadium	0.08	J	1	0.041	2.5	5	ug/L	09/20/2017	09/22/2017	200.8
7440-66-6	Zinc	283		1	0.164	1	2	ug/L	09/20/2017	09/22/2017	200.8

Report of Analysis

Client:		Date Collected:	9/20/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/20/2017 12:00:00 AM
Client Sample ID:	QADX-21-BS-BR15-W2-F1-2D	SDG No.:	LB90279
Lab Sample ID:	I5327-02	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	9.25	J	1	1.22	10	20	ug/L	09/20/2017	09/22/2017	200.8
7440-36-0	Antimony	0.06	J	1	0.044	1	2	ug/L	09/20/2017	09/22/2017	200.8
7440-38-2	Arsenic	0.29	J	1	0.05	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-39-3	Barium	16.9		1	0.3	5	10	ug/L	09/20/2017	09/22/2017	200.8
7440-41-7	Beryllium	0	U	1	0.096	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-43-9	Cadmium	0.04	U	1	0.054	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-70-2	Calcium	5780		1	4.81	250	500	ug/L	09/20/2017	09/22/2017	200.8
7440-47-3	Chromium	0	U	1	0.072	1	2	ug/L	09/20/2017	09/22/2017	200.8
7440-48-4	Cobalt	0.25	J	1	0.06	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-50-8	Copper	300		1	0.127	1	2	ug/L	09/20/2017	09/22/2017	200.8
7439-89-6	Iron	21.4	J	1	3.02	100	50	ug/L	09/20/2017	09/22/2017	200.8
7439-92-1	Lead	1.6		1	0.057	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7439-95-4	Magnesium	1420		1	5.77	250	500	ug/L	09/20/2017	09/22/2017	200.8
7439-96-5	Manganese	15.3		1	0.126	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7439-98-7	Molybdenum	0.01	U	1	0.059	3.9	5	ug/L	09/20/2017	09/22/2017	200.8
7440-02-0	Nickel	4.01		1	0.043	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-09-7	Potassium	458	J	1	8.08	250	500	ug/L	09/20/2017	09/22/2017	200.8
7782-49-2	Selenium	0	U	1	2.68	2.5	5	ug/L	09/20/2017	09/22/2017	200.8
7440-22-4	Silver	0.01	U	1	0.048	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-23-5	Sodium	8950		1	5.36	250	500	ug/L	09/20/2017	09/22/2017	200.8
7440-28-0	Thallium	0	U	1	0.045	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-31-5	Tin	0	U	1	0.07	2.5	5	ug/L	09/20/2017	09/22/2017	200.8
7440-61-1	Uranium	0	U	1	0.056	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-62-2	Vanadium	0.05	J	1	0.041	2.5	5	ug/L	09/20/2017	09/22/2017	200.8
7440-66-6	Zinc	191		1	0.164	1	2	ug/L	09/20/2017	09/22/2017	200.8

Report of Analysis

Client:		Date Collected:	9/20/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/20/2017 12:00:00 AM
Client Sample ID:	QADX-21-BS-BR15-W2-F1-3D	SDG No.:	LB90279
Lab Sample ID:	I5327-03	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	6.64	J	1	1.22	10	20	ug/L	09/20/2017	09/22/2017	200.8
7440-36-0	Antimony	0.05	J	1	0.044	1	2	ug/L	09/20/2017	09/22/2017	200.8
7440-38-2	Arsenic	0.31	J	1	0.05	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-39-3	Barium	15		1	0.3	5	10	ug/L	09/20/2017	09/22/2017	200.8
7440-41-7	Beryllium	0	U	1	0.096	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-43-9	Cadmium	0.02	U	1	0.054	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-70-2	Calcium	5750		1	4.81	250	500	ug/L	09/20/2017	09/22/2017	200.8
7440-47-3	Chromium	0.03	U	1	0.072	1	2	ug/L	09/20/2017	09/22/2017	200.8
7440-48-4	Cobalt	0.31	J	1	0.06	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-50-8	Copper	174		1	0.127	1	2	ug/L	09/20/2017	09/22/2017	200.8
7439-89-6	Iron	19.5	J	1	3.02	100	50	ug/L	09/20/2017	09/22/2017	200.8
7439-92-1	Lead	1.1		1	0.057	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7439-95-4	Magnesium	1520		1	5.77	250	500	ug/L	09/20/2017	09/22/2017	200.8
7439-96-5	Manganese	15.3		1	0.126	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7439-98-7	Molybdenum	0.01	U	1	0.059	3.9	5	ug/L	09/20/2017	09/22/2017	200.8
7440-02-0	Nickel	2.49		1	0.043	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-09-7	Potassium	488	J	1	8.08	250	500	ug/L	09/20/2017	09/22/2017	200.8
7782-49-2	Selenium	0	U	1	2.68	2.5	5	ug/L	09/20/2017	09/22/2017	200.8
7440-22-4	Silver	0	U	1	0.048	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-23-5	Sodium	9180		1	5.36	250	500	ug/L	09/20/2017	09/22/2017	200.8
7440-28-0	Thallium	0	U	1	0.045	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-31-5	Tin	0	U	1	0.07	2.5	5	ug/L	09/20/2017	09/22/2017	200.8
7440-61-1	Uranium	0	U	1	0.056	0.5	1	ug/L	09/20/2017	09/22/2017	200.8
7440-62-2	Vanadium	0.05	J	1	0.041	2.5	5	ug/L	09/20/2017	09/22/2017	200.8
7440-66-6	Zinc	98.5		1	0.164	1	2	ug/L	09/20/2017	09/22/2017	200.8

Report of Analysis

Client:		Date Collected:	8/28/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET1Z1	SDG No.:	LB90279
Lab Sample ID:	I5346-01	Matrix:	Solid
Level (low/med):	low	% Solid:	91.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	6080		1	0.714	4.06	8.11	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	1.19		1	0.019	0.406	0.811	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	7.6		1	0.037	0.203	0.406	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	191		1	0.049	2.03	4.06	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.604		1	0.023	0.203	0.406	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.811		1	0.001	0.203	0.406	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	3760		1	1.04	101	203	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	14.4		1	0.021	0.406	0.811	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	7.39		1	0.019	0.203	0.406	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	41.7		1	0.02	0.406	0.811	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	15200		1	0.941	10.14	20.3	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	359		1	0.017	0.203	0.406	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	1540		1	1.34	101	203	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	660		1	0.029	0.203	0.406	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.49	J	1	0.011	1.01	2.03	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	14.6		1	0.033	0.203	0.406	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	731		1	2.18	101	203	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.503	J	1	0.328	1.01	2.03	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.337	J	1	0.014	0.203	0.406	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	37.8	J	1	1.03	101	203	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.211	J	1	0.01	0.203	0.406	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	16.8		1	0.001	1.01	2.03	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.718		1	0.011	0.203	0.406	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	23.3		1	0.01	1.01	2.03	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	205		1	0.053	0.406	0.811	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/28/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET1Z1	SDG No.:	LB90279
Lab Sample ID:	I5346-01DL	Matrix:	Solid
Level (low/med):	low	% Solid:	91.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	6070	D	20	14.3	81.1	162	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	1.22	JD	20	0.385	8.11	16.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	7.22	JD	20	0.734	4.06	8.11	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	188	D	20	0.973	40.6	81.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.162	UD	20	0.459	4.06	8.11	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.974	JD	20	0.021	4.06	8.11	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	3570	JD	20	20.9	2030	4060	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	13.8	JD	20	0.413	8.11	16.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	7.14	JD	20	0.373	4.06	8.11	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	40.2	D	20	0.409	8.11	16.2	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	14800	D	20	18.8	203	406	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	354	D	20	0.339	4.06	8.11	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	1480	JD	20	26.9	2030	4060	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	651	D	20	0.583	4.06	8.11	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.3	JD	20	0.221	20.3	40.6	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	12.7	D	20	0.659	4.06	8.11	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	667	JD	20	43.6	2030	4060	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	6.57	20.3	40.6	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.243	UD	20	0.273	4.06	8.11	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	20.6	2030	4060	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.081	UD	20	0.209	4.06	8.11	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	16.8	JD	20	0.02	20.3	40.6	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.649	JD	20	0.211	4.06	8.11	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	22.7	JD	20	0.206	20.3	40.6	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	207	D	20	1.06	8.11	16.2	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/28/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET1Z2	SDG No.:	LB90279
Lab Sample ID:	I5346-02	Matrix:	Solid
Level (low/med):	low	% Solid:	96.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	6170		1	0.684	3.88	7.77	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	4.4		1	0.018	0.388	0.777	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	12.1		1	0.035	0.194	0.388	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	197		1	0.047	1.94	3.88	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.699		1	0.022	0.194	0.388	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	1.51		1	0.001	0.194	0.388	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	32100		1	1	97.1	194	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	15.6		1	0.02	0.388	0.777	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	6.29		1	0.018	0.194	0.388	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	49.7		1	0.02	0.388	0.777	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	13800		1	0.901	9.71	19.4	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	395		1	0.016	0.194	0.388	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	10600		1	1.29	97.1	194	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	334		1	0.028	0.194	0.388	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	4.75		1	0.011	0.971	1.94	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	19.5		1	0.032	0.194	0.388	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	731		1	2.09	97.1	194	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.951	J	1	0.314	0.971	1.94	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.353	J	1	0.013	0.194	0.388	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	64.7	J	1	0.985	97.1	194	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.194	J	1	0.01	0.194	0.388	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	70.6		1	0.001	0.971	1.94	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	3.02		1	0.01	0.194	0.388	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	19.5		1	0.01	0.971	1.94	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	401		1	0.051	0.388	0.777	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/28/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET1Z2	SDG No.:	LB90279
Lab Sample ID:	I5346-02DL	Matrix:	Solid
Level (low/med):	low	% Solid:	96.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	5890	D	20	13.7	77.7	155	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	4.35	JD	20	0.369	7.77	15.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	12.7	D	20	0.703	3.88	7.77	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	194	D	20	0.931	38.8	77.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.544	JD	20	0.44	3.88	7.77	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	1.63	JD	20	0.02	3.88	7.77	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	33300	D	20	20	1940	3880	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	15.4	JD	20	0.395	7.77	15.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	5.67	JD	20	0.357	3.88	7.77	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	49.2	D	20	0.391	7.77	15.5	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	13800	D	20	18	194	388	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	393	D	20	0.325	3.88	7.77	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	10200	D	20	25.7	1940	3880	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	334	D	20	0.558	3.88	7.77	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	5.2	JD	20	0.211	19.4	38.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	19.6	D	20	0.631	3.88	7.77	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	679	JD	20	41.7	1940	3880	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.388	UD	20	6.29	19.4	38.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.311	JD	20	0.261	3.88	7.77	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	19.7	1940	3880	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0	UD	20	0.2	3.88	7.77	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	72.5	D	20	0.019	19.4	38.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	2.95	JD	20	0.202	3.88	7.77	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	18.5	JD	20	0.197	19.4	38.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	408	D	20	1.01	7.77	15.5	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/29/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET1Z3	SDG No.:	LB90279
Lab Sample ID:	I5346-03	Matrix:	Solid
Level (low/med):	low	% Solid:	97.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	5600		1	0.657	3.73	7.46	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	0.907		1	0.018	0.373	0.746	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	10.01		1	0.034	0.187	0.373	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	209		1	0.045	1.87	3.73	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.69		1	0.021	0.187	0.373	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	1.29		1	0.001	0.187	0.373	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	16600		1	0.961	93.3	187	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	15.9		1	0.019	0.373	0.746	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	7.56		1	0.017	0.187	0.373	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	26.6		1	0.019	0.373	0.746	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	14700		1	0.866	9.33	18.7	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	741		1	0.016	0.187	0.373	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	6340		1	1.24	93.3	187	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	563		1	0.027	0.187	0.373	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.73	J	1	0.01	0.933	1.87	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	17.9		1	0.03	0.187	0.373	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	501		1	2.01	93.3	187	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.437	J	1	0.302	0.933	1.87	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.228	J	1	0.013	0.187	0.373	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	47.3	J	1	0.947	93.3	187	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.272	J	1	0.01	0.187	0.373	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	4.37		1	0.001	0.933	1.87	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.892		1	0.01	0.187	0.373	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	21.4		1	0.009	0.933	1.87	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	420		1	0.049	0.373	0.746	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/29/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET1Z3	SDG No.:	LB90279
Lab Sample ID:	I5346-03DL	Matrix:	Solid
Level (low/med):	low	% Solid:	97.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	5520	D	20	13.1	74.6	149	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	0.896	JD	20	0.354	7.46	14.9	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	9.7	D	20	0.675	3.73	7.46	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	196	D	20	0.895	37.3	74.6	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.299	UD	20	0.422	3.73	7.46	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	1.34	JD	20	0.019	3.73	7.46	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	16100	D	20	19.2	1870	3730	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	15.7	D	20	0.38	7.46	14.9	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	7.54	D	20	0.343	3.73	7.46	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	26.9	D	20	0.376	7.46	14.9	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	14800	D	20	17.3	187	373	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	711	D	20	0.312	3.73	7.46	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	6160	D	20	24.7	1870	3730	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	556	D	20	0.537	3.73	7.46	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.72	JD	20	0.203	18.7	37.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	17.8	D	20	0.606	3.73	7.46	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	460	JD	20	40.1	1870	3730	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	6.04	18.7	37.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.149	UD	20	0.251	3.73	7.46	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	18.9	1870	3730	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.149	UD	20	0.192	3.73	7.46	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	4.1	JD	20	0.019	18.7	37.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.821	JD	20	0.194	3.73	7.46	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	20.5	JD	20	0.19	18.7	37.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	424	D	20	0.974	7.46	14.9	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/29/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET1Z4	SDG No.:	LB90279
Lab Sample ID:	I5346-04	Matrix:	Solid
Level (low/med):	low	% Solid:	95.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	5300		1	0.672	3.82	7.64	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	0.901		1	0.018	0.382	0.764	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	8.45		1	0.035	0.191	0.382	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	138		1	0.046	1.91	3.82	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.649		1	0.022	0.191	0.382	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.985		1	0.001	0.191	0.382	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	16800		1	0.983	95.4	191	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	13		1	0.019	0.382	0.764	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	6.51		1	0.018	0.191	0.382	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	29.1		1	0.019	0.382	0.764	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	13200		1	0.886	9.54	19.1	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	578		1	0.016	0.191	0.382	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	6730		1	1.26	95.4	191	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	438		1	0.027	0.191	0.382	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.51	J	1	0.01	0.954	1.91	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	14		1	0.031	0.191	0.382	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	566		1	2.05	95.4	191	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.492	J	1	0.309	0.954	1.91	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.294	J	1	0.013	0.191	0.382	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	40.6	J	1	0.968	95.4	191	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.214	J	1	0.01	0.191	0.382	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	3.8		1	0.001	0.954	1.91	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.569		1	0.01	0.191	0.382	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	19.7		1	0.01	0.954	1.91	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	349		1	0.05	0.382	0.764	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/29/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET1Z4	SDG No.:	LB90279
Lab Sample ID:	I5346-04DL	Matrix:	Solid
Level (low/med):	low	% Solid:	95.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	5440	D	20	13.4	76.4	153	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	0.764	JD	20	0.363	7.64	15.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	7.86	D	20	0.691	3.82	7.64	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	128	D	20	0.915	38.2	76.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.229	UD	20	0.432	3.82	7.64	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	1.45	JD	20	0.02	3.82	7.64	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	15600	D	20	19.7	1910	3820	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	12.4	JD	20	0.389	7.64	15.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	6.26	JD	20	0.351	3.82	7.64	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	28.9	D	20	0.385	7.64	15.3	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	13100	D	20	17.7	191	382	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	537	D	20	0.319	3.82	7.64	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	6750	D	20	25.3	1910	3820	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	427	D	20	0.549	3.82	7.64	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.22	JD	20	0.208	19.1	38.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	13.1	D	20	0.62	3.82	7.64	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	519	JD	20	41	1910	3820	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	6.18	19.1	38.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.229	UD	20	0.257	3.82	7.64	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	19.4	1910	3820	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.076	UD	20	0.196	3.82	7.64	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	3.36	JD	20	0.019	19.1	38.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.534	JD	20	0.199	3.82	7.64	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	18.9	JD	20	0.194	19.1	38.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	353	D	20	0.996	7.64	15.3	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/28/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET1Z5	SDG No.:	LB90279
Lab Sample ID:	I5346-05	Matrix:	Solid
Level (low/med):	low	% Solid:	92.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	10200		1	0.665	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	3.13		1	0.018	0.378	0.755	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	16.6		1	0.034	0.189	0.378	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	342		1	0.045	1.89	3.78	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	1.06		1	0.021	0.189	0.378	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	2.06		1	0.001	0.189	0.378	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	16200		1	0.973	94.4	189	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	19.7		1	0.019	0.378	0.755	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	6.67		1	0.017	0.189	0.378	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	63.9		1	0.019	0.378	0.755	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	15300		1	0.876	9.44	18.9	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	502		1	0.016	0.189	0.378	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	4720		1	1.25	94.4	189	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	323		1	0.027	0.189	0.378	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	5.74		1	0.01	0.944	1.89	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	22.6		1	0.031	0.189	0.378	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	1260		1	2.03	94.4	189	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	1.7	J	1	0.306	0.944	1.89	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.453		1	0.013	0.189	0.378	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	70.5	J	1	0.958	94.4	189	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.245	J	1	0.01	0.189	0.378	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	7.41		1	0.001	0.944	1.89	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	5.09		1	0.01	0.189	0.378	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	24.5		1	0.01	0.944	1.89	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	397		1	0.049	0.378	0.755	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/28/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET1Z5	SDG No.:	LB90279
Lab Sample ID:	I5346-05DL	Matrix:	Solid
Level (low/med):	low	% Solid:	92.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	0	UD	20	13.3	75.5	151	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	0	UD	20	0.359	7.55	15.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	0	UD	20	0.683	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	0	UD	20	0.905	37.8	75.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	0.427	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0	UD	20	0.02	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	0	UD	20	19.5	1890	3780	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	0	UD	20	0.384	7.55	15.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	0	UD	20	0.347	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	0	UD	20	0.381	7.55	15.1	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	0	UD	20	17.5	189	378	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	0	UD	20	0.316	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	0	UD	20	25	1890	3780	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	0	UD	20	0.543	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	0	UD	20	0.205	18.9	37.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	0	UD	20	0.613	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	0	UD	20	40.6	1890	3780	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	6.11	18.9	37.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0	UD	20	0.254	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	19.2	1890	3780	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0	UD	20	0.194	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	0	UD	20	0.019	18.9	37.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0	UD	20	0.196	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	0	UD	20	0.192	18.9	37.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	0	UD	20	0.986	7.55	15.1	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/28/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET1Z5	SDG No.:	LB90279
Lab Sample ID:	I5346-05DLRE	Matrix:	Solid
Level (low/med):	low	% Solid:	92.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	9800	D	20	13.3	75.5	151	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	2.95	JD	20	0.359	7.55	15.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	16.2	D	20	0.683	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	310	D	20	0.905	37.8	75.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.227	UD	20	0.427	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	2.19	JD	20	0.02	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	14800	D	20	19.5	1890	3780	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	17.9	D	20	0.384	7.55	15.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	6.27	JD	20	0.347	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	60.3	D	20	0.381	7.55	15.1	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	14400	D	20	17.5	189	378	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	458	D	20	0.316	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	4430	D	20	25	1890	3780	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	302	D	20	0.543	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	5.74	JD	20	0.205	18.9	37.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	20.3	D	20	0.613	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	1240	JD	20	40.6	1890	3780	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	6.11	18.9	37.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.378	JD	20	0.254	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	19.2	1890	3780	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.076	UD	20	0.194	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	6.8	JD	20	0.019	18.9	37.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	4.76	JD	20	0.196	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	23.4	JD	20	0.192	18.9	37.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	379	D	20	0.986	7.55	15.1	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/28/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET1Z6	SDG No.:	LB90279
Lab Sample ID:	I5346-06	Matrix:	Solid
Level (low/med):	low	% Solid:	76.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	6540		1	0.83	4.71	9.42	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	0.608	J	1	0.022	0.471	0.942	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	9.81		1	0.043	0.236	0.471	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	113		1	0.056	2.36	4.71	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.693		1	0.027	0.236	0.471	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.664		1	0.001	0.236	0.471	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	2930		1	1.21	118	236	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	13.5		1	0.024	0.471	0.942	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	8.79		1	0.022	0.236	0.471	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	18.2		1	0.024	0.471	0.942	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	17200		1	1.09	11.8	23.6	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	154		1	0.02	0.236	0.471	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	1920		1	1.56	118	236	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	594		1	0.034	0.236	0.471	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.64	J	1	0.013	1.18	2.36	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	13.6		1	0.038	0.236	0.471	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	422		1	2.53	118	236	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.368	U	1	0.381	1.18	2.36	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.165	J	1	0.016	0.236	0.471	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	24.3	J	1	1.2	118	236	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.24	J	1	0.012	0.236	0.471	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	2.35	J	1	0.001	1.18	2.36	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.744		1	0.012	0.236	0.471	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	25.6		1	0.012	1.18	2.36	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	133		1	0.061	0.471	0.942	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/28/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET1Z6	SDG No.:	LB90279
Lab Sample ID:	I5346-06DL	Matrix:	Solid
Level (low/med):	low	% Solid:	76.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	6400	D	20	16.6	94.2	188	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	0.565	JD	20	0.448	9.42	18.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	10.65	D	20	0.853	4.71	9.42	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	109	D	20	1.13	47.1	94.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	0.533	4.71	9.42	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.66	JD	20	0.025	4.71	9.42	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	2760	JD	20	24.3	2360	4710	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	12.8	JD	20	0.48	9.42	18.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	8.76	JD	20	0.433	4.71	9.42	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	34.6	D	20	0.475	9.42	18.8	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	16600	D	20	21.9	236	471	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	146	D	20	0.394	4.71	9.42	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	1860	JD	20	31.2	2360	4710	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	582	D	20	0.678	4.71	9.42	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.51	JD	20	0.256	23.6	47.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	14.7	D	20	0.765	4.71	9.42	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	941	JD	20	50.6	2360	4710	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	7.63	23.6	47.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.188	UD	20	0.317	4.71	9.42	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	23.9	2360	4710	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.094	UD	20	0.242	4.71	9.42	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	2.17	JD	20	0.024	23.6	47.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.66	JD	20	0.245	4.71	9.42	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	25.1	JD	20	0.239	23.6	47.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	154	D	20	1.23	9.42	18.8	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/28/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET1Z7	SDG No.:	LB90279
Lab Sample ID:	I5346-07	Matrix:	Solid
Level (low/med):	low	% Solid:	99.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	4020		1	0.647	3.68	7.35	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	1.07		1	0.017	0.368	0.735	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	29.5		1	0.033	0.184	0.368	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	137		1	0.044	1.84	3.68	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.393		1	0.021	0.184	0.368	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.856		1	0.001	0.184	0.368	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	31700		1	0.947	91.9	184	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	12.5		1	0.019	0.368	0.735	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	5.81		1	0.017	0.184	0.368	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	33.9		1	0.019	0.368	0.735	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	23300		1	0.853	9.19	18.4	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	147		1	0.015	0.184	0.368	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	9760		1	1.22	91.9	184	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	735		1	0.026	0.184	0.368	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	4.25		1	0.01	0.919	1.84	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	15.3		1	0.03	0.184	0.368	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	394		1	1.98	91.9	184	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.165	U	1	0.298	0.919	1.84	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.202	J	1	0.012	0.184	0.368	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	33.4	J	1	0.932	91.9	184	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.129	J	1	0.009	0.184	0.368	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	24.8		1	0.001	0.919	1.84	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.489		1	0.01	0.184	0.368	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	14.7		1	0.009	0.919	1.84	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	275		1	0.048	0.368	0.735	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/28/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET1Z7	SDG No.:	LB90279
Lab Sample ID:	I5346-07DL	Matrix:	Solid
Level (low/med):	low	% Solid:	99.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	4140	D	20	12.9	73.5	147	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	1.03	JD	20	0.349	7.35	14.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	32.4	D	20	0.665	3.68	7.35	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	135	D	20	0.881	36.8	73.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	0.416	3.68	7.35	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	1.4	JD	20	0.019	3.68	7.35	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	31900	D	20	18.9	1840	3680	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	12.9	JD	20	0.374	7.35	14.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	6.17	JD	20	0.338	3.68	7.35	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	40.6	D	20	0.37	7.35	14.7	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	24100	D	20	17.1	184	368	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	139	D	20	0.307	3.68	7.35	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	9830	D	20	24.3	1840	3680	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	758	D	20	0.529	3.68	7.35	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	4.48	JD	20	0.2	18.4	36.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	15.5	D	20	0.597	3.68	7.35	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	712	JD	20	39.5	1840	3680	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	5.95	18.4	36.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.221	UD	20	0.247	3.68	7.35	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	18.6	1840	3680	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0	UD	20	0.189	3.68	7.35	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	24	JD	20	0.018	18.4	36.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.441	JD	20	0.191	3.68	7.35	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	14.8	JD	20	0.187	18.4	36.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	302	D	20	0.959	7.35	14.7	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/29/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET1Z8	SDG No.:	LB90279
Lab Sample ID:	I5346-08	Matrix:	Solid
Level (low/med):	low	% Solid:	99.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	3930		1	0.643	3.65	7.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	3.48		1	0.017	0.365	0.73	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	9.56		1	0.033	0.183	0.365	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	127		1	0.044	1.83	3.65	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.709		1	0.021	0.183	0.365	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	3.63		1	0.001	0.183	0.365	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	44000		1	0.941	91.3	183	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	19.8		1	0.019	0.365	0.73	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	5.75		1	0.017	0.183	0.365	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	378		1	0.018	0.365	0.73	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	15300		1	0.847	9.13	18.3	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	1360		1	0.015	0.183	0.365	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	12200		1	1.21	91.3	183	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	342		1	0.026	0.183	0.365	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.59	J	1	0.01	0.913	1.83	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	25.2		1	0.03	0.183	0.365	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	520		1	1.96	91.3	183	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.497	J	1	0.296	0.913	1.83	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	1.93		1	0.012	0.183	0.365	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	78.4	J	1	0.927	91.3	183	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.172	J	1	0.009	0.183	0.365	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	163		1	0.001	0.913	1.83	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.873		1	0.009	0.183	0.365	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	13		1	0.009	0.913	1.83	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	1190		1	0.048	0.365	0.73	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/29/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET1Z8	SDG No.:	LB90279
Lab Sample ID:	I5346-08DL	Matrix:	Solid
Level (low/med):	low	% Solid:	99.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	3970	D	20	12.9	73	146	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	3.43	JD	20	0.347	7.3	14.6	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	9.64	D	20	0.661	3.65	7.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	128	D	20	0.876	36.5	73	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.219	UD	20	0.413	3.65	7.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	3.73	JD	20	0.019	3.65	7.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	44900	D	20	18.8	1830	3650	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	19.9	D	20	0.372	7.3	14.6	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	5.62	JD	20	0.336	3.65	7.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	382	D	20	0.368	7.3	14.6	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	15700	D	20	16.9	183	365	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	1350	D	20	0.305	3.65	7.3	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	12500	D	20	24.2	1830	3650	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	353	D	20	0.525	3.65	7.3	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.46	JD	20	0.199	18.3	36.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	25.7	D	20	0.593	3.65	7.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	543	JD	20	39.3	1830	3650	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	5.91	18.3	36.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	1.9	JD	20	0.245	3.65	7.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	18.5	1830	3650	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0	UD	20	0.188	3.65	7.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	158	D	20	0.018	18.3	36.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.804	JD	20	0.19	3.65	7.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	13.7	JD	20	0.186	18.3	36.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	1260	D	20	0.953	7.3	14.6	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/30/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET1Z9	SDG No.:	LB90279
Lab Sample ID:	I5346-09	Matrix:	Solid
Level (low/med):	low	% Solid:	97.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	3400		1	0.681	3.87	7.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	5.55		1	0.018	0.387	0.774	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	6.81		1	0.035	0.193	0.387	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	74.7		1	0.046	1.93	3.87	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.321	J	1	0.022	0.193	0.387	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.572		1	0.001	0.193	0.387	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	2750		1	0.996	96.7	193	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	11		1	0.02	0.387	0.774	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	5.75		1	0.018	0.193	0.387	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	20.2		1	0.019	0.387	0.774	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	8390		1	0.897	9.67	19.3	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	192		1	0.016	0.193	0.387	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	1160		1	1.28	96.7	193	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	434		1	0.028	0.193	0.387	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.3	J	1	0.011	0.967	1.93	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	8.95		1	0.031	0.193	0.387	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	310		1	2.08	96.7	193	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.383	J	1	0.313	0.967	1.93	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.155	J	1	0.013	0.193	0.387	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	18.3	J	1	0.981	96.7	193	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.139	J	1	0.01	0.193	0.387	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	3.18		1	0.001	0.967	1.93	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.344	J	1	0.01	0.193	0.387	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	13.6		1	0.01	0.967	1.93	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	119		1	0.05	0.387	0.774	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/30/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET1Z9	SDG No.:	LB90279
Lab Sample ID:	I5346-09DL	Matrix:	Solid
Level (low/med):	low	% Solid:	97.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	215	D	20	13.6	77.4	155	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	0	UD	20	0.367	7.74	15.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	0.155	UD	20	0.7	3.87	7.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	0	UD	20	0.927	38.7	77.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	0.438	3.87	7.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0	UD	20	0.02	3.87	7.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	0	UD	20	19.9	1930	3870	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	0	UD	20	0.394	7.74	15.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	0.232	UD	20	0.356	3.87	7.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	0.541	JD	20	0.39	7.74	15.5	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	455	D	20	17.9	193	387	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	0	UD	20	0.323	3.87	7.74	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	32.7	JD	20	25.6	1930	3870	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	24.6	D	20	0.556	3.87	7.74	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	0	UD	20	0.21	19.3	38.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	0	UD	20	0.628	3.87	7.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	0	UD	20	41.6	1930	3870	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	6.26	19.3	38.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0	UD	20	0.26	3.87	7.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	19.6	1930	3870	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0	UD	20	0.199	3.87	7.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	0	UD	20	0.019	19.3	38.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0	UD	20	0.201	3.87	7.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	0.619	JD	20	0.196	19.3	38.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	4.64	JD	20	1.01	7.74	15.5	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/30/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET1Z9	SDG No.:	LB90279
Lab Sample ID:	I5346-09DLRE	Matrix:	Solid
Level (low/med):	low	% Solid:	97.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	3280	D	20	13.6	77.4	155	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	5.26	JD	20	0.367	7.74	15.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	6.88	JD	20	0.7	3.87	7.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	70.3	JD	20	0.927	38.7	77.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	0.438	3.87	7.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	1.08	JD	20	0.02	3.87	7.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	2370	JD	20	19.9	1930	3870	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	9.98	JD	20	0.394	7.74	15.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	5.72	JD	20	0.356	3.87	7.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	19.3	D	20	0.39	7.74	15.5	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	8040	D	20	17.9	193	387	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	181	D	20	0.323	3.87	7.74	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	1130	JD	20	25.6	1930	3870	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	427	D	20	0.556	3.87	7.74	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.16	JD	20	0.21	19.3	38.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	8.12	D	20	0.628	3.87	7.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	301	JD	20	41.6	1930	3870	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	6.26	19.3	38.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.155	UD	20	0.26	3.87	7.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	19.6	1930	3870	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.077	UD	20	0.199	3.87	7.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	2.71	JD	20	0.019	19.3	38.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.309	JD	20	0.201	3.87	7.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	11.8	JD	20	0.196	19.3	38.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	113	D	20	1.01	7.74	15.5	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/29/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET200	SDG No.:	LB90279
Lab Sample ID:	I5346-10	Matrix:	Solid
Level (low/med):	low	% Solid:	96.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	4550		1	0.659	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	8.31		1	0.018	0.374	0.748	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	12.1		1	0.034	0.187	0.374	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	93.9		1	0.045	1.87	3.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.501		1	0.021	0.187	0.374	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.998		1	0.001	0.187	0.374	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	27500		1	0.963	93.5	187	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	13.6		1	0.019	0.374	0.748	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	7.03		1	0.017	0.187	0.374	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	44.2		1	0.019	0.374	0.748	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	16100		1	0.867	9.35	18.7	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	443		1	0.016	0.187	0.374	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	10500		1	1.24	93.5	187	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	484		1	0.027	0.187	0.374	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	5.58		1	0.01	0.935	1.87	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	17.5		1	0.03	0.187	0.374	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	444		1	2.01	93.5	187	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.684	J	1	0.303	0.935	1.87	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.262	J	1	0.013	0.187	0.374	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	60.1	J	1	0.949	93.5	187	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.288	J	1	0.01	0.187	0.374	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	5.75		1	0.001	0.935	1.87	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	1.76		1	0.01	0.187	0.374	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	17.6		1	0.009	0.935	1.87	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	181		1	0.049	0.374	0.748	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/29/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET200	SDG No.:	LB90279
Lab Sample ID:	I5346-10DL	Matrix:	Solid
Level (low/med):	low	% Solid:	96.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	4660	D	20	13.2	74.8	150	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	8.23	JD	20	0.355	7.48	15	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	12.9	D	20	0.677	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	95	D	20	0.897	37.4	74.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	0.423	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	1.42	JD	20	0.019	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	28100	D	20	19.3	1870	3740	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	12.2	JD	20	0.381	7.48	15	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	6.66	JD	20	0.344	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	43.6	D	20	0.377	7.48	15	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	15900	D	20	17.3	187	374	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	436	D	20	0.313	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	10200	D	20	24.8	1870	3740	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	480	D	20	0.538	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	5.68	JD	20	0.203	18.7	37.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	15.5	D	20	0.607	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	418	JD	20	40.2	1870	3740	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	6.05	18.7	37.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.224	UD	20	0.251	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	19	1870	3740	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.224	JD	20	0.192	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	5.98	JD	20	0.019	18.7	37.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	1.65	JD	20	0.194	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	17.3	JD	20	0.19	18.7	37.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	184	D	20	0.976	7.48	15	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET201	SDG No.:	LB90279
Lab Sample ID:	I5346-13	Matrix:	Solid
Level (low/med):	low	% Solid:	83.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	0	U	1	0.761	4.32	8.65	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	4.13		1	0.021	0.432	0.865	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	0	U	1	0.039	0.216	0.432	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	3.44	J	1	0.052	2.16	4.32	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.804		1	0.024	0.216	0.432	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	3.42		1	0.001	0.216	0.432	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	15600		1	1.11	108	216	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	0	U	1	0.022	0.432	0.865	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	0	U	1	0.02	0.216	0.432	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	0	U	1	0.022	0.432	0.865	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	0	U	1	1	10.81	21.6	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	23.6		1	0.018	0.216	0.432	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	0	U	1	1.43	108	216	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	0	U	1	0.031	0.216	0.432	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	0.108	J	1	0.012	1.08	2.16	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	0	U	1	0.035	0.216	0.432	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	0	U	1	2.32	108	216	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	U	1	0.35	1.08	2.16	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	4.96		1	0.015	0.216	0.432	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	U	1	1.1	108	216	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	1.1		1	0.011	0.216	0.432	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	12.4		1	0.001	1.08	2.16	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.16	J	1	0.011	0.216	0.432	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	0	U	1	0.011	1.08	2.16	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	0	U	1	0.056	0.432	0.865	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET201	SDG No.:	LB90279
Lab Sample ID:	I5346-13DL	Matrix:	Solid
Level (low/med):	low	% Solid:	83.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	5860	D	20	15.2	86.5	173	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	0.778	JD	20	0.411	8.65	17.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	6.14	JD	20	0.783	4.32	8.65	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	170	D	20	1.04	43.2	86.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	0.489	4.32	8.65	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.951	JD	20	0.022	4.32	8.65	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	3200	JD	20	22.3	2160	4320	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	15	JD	20	0.44	8.65	17.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	7.35	JD	20	0.398	4.32	8.65	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	42.5	D	20	0.436	8.65	17.3	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	14700	D	20	20.1	216	432	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	227	D	20	0.361	4.32	8.65	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	1470	JD	20	28.6	2160	4320	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	493	D	20	0.622	4.32	8.65	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.73	JD	20	0.235	21.6	43.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	12	D	20	0.702	4.32	8.65	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	640	JD	20	46.5	2160	4320	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	7	21.6	43.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.259	UD	20	0.291	4.32	8.65	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	21.9	2160	4320	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0	UD	20	0.222	4.32	8.65	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	9.6	JD	20	0.022	21.6	43.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.692	JD	20	0.225	4.32	8.65	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	22.3	JD	20	0.22	21.6	43.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	199	D	20	1.13	8.65	17.3	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET201	SDG No.:	LB90279
Lab Sample ID:	I5346-13RE	Matrix:	Solid
Level (low/med):	low	% Solid:	83.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	6000		1	0.761	4.32	8.65	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	0.834	J	1	0.021	0.432	0.865	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	7.71		1	0.039	0.216	0.432	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	179		1	0.052	2.16	4.32	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.605		1	0.024	0.216	0.432	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.744		1	0.001	0.216	0.432	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	3570		1	1.11	108	216	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	14.9		1	0.022	0.432	0.865	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	7.88		1	0.02	0.216	0.432	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	44.2		1	0.022	0.432	0.865	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	15000		1	1	10.81	21.6	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	243		1	0.018	0.216	0.432	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	1560		1	1.43	108	216	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	506		1	0.031	0.216	0.432	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.4	J	1	0.012	1.08	2.16	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	13.4		1	0.035	0.216	0.432	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	723		1	2.32	108	216	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.441	J	1	0.35	1.08	2.16	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.221	J	1	0.015	0.216	0.432	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	12.9	J	1	1.1	108	216	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.173	J	1	0.011	0.216	0.432	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	10.44		1	0.001	1.08	2.16	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.765		1	0.011	0.216	0.432	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	23.2		1	0.011	1.08	2.16	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	206		1	0.056	0.432	0.865	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET202	SDG No.:	LB90279
Lab Sample ID:	I5346-14	Matrix:	Solid
Level (low/med):	low	% Solid:	96

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	5060		1	0.633	3.59	7.18	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	0.902		1	0.017	0.359	0.718	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	6.12		1	0.033	0.18	0.359	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	109		1	0.043	1.8	3.59	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.56		1	0.02	0.18	0.359	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.948		1	0.001	0.18	0.359	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	25000		1	0.925	89.8	180	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	14.8		1	0.018	0.359	0.718	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	5.71		1	0.017	0.18	0.359	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	34.4		1	0.018	0.359	0.718	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	10700		1	0.833	8.98	18	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	107		1	0.015	0.18	0.359	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	9990		1	1.19	89.8	180	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	336		1	0.026	0.18	0.359	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.47	J	1	0.01	0.898	1.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	17		1	0.029	0.18	0.359	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	707		1	1.93	89.8	180	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.489	J	1	0.291	0.898	1.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.19	J	1	0.012	0.18	0.359	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	30.1	J	1	0.911	89.8	180	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.176	J	1	0.009	0.18	0.359	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	4.83		1	0.001	0.898	1.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.938		1	0.009	0.18	0.359	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	16.5		1	0.009	0.898	1.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	146		1	0.047	0.359	0.718	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET202	SDG No.:	LB90279
Lab Sample ID:	I5346-14DL	Matrix:	Solid
Level (low/med):	low	% Solid:	96

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	4840	D	20	12.7	71.8	144	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	0.79	JD	20	0.341	7.18	14.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	6.03	JD	20	0.65	3.59	7.18	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	108	D	20	0.861	35.9	71.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	0.407	3.59	7.18	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	1.29	JD	20	0.019	3.59	7.18	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	24900	D	20	18.5	1800	3590	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	13.9	JD	20	0.366	7.18	14.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	5.6	JD	20	0.33	3.59	7.18	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	33.3	D	20	0.362	7.18	14.4	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	10100	D	20	16.7	180	359	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	104	D	20	0.3	3.59	7.18	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	9260	D	20	23.8	1800	3590	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	324	D	20	0.517	3.59	7.18	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.29	JD	20	0.195	18	35.9	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	15.6	D	20	0.583	3.59	7.18	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	604	JD	20	38.6	1800	3590	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	5.82	18	35.9	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.216	UD	20	0.241	3.59	7.18	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	18.2	1800	3590	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.072	UD	20	0.185	3.59	7.18	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	4.31	JD	20	0.018	18	35.9	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.862	JD	20	0.187	3.59	7.18	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	15.3	JD	20	0.182	18	35.9	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	139	D	20	0.938	7.18	14.4	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/30/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET203	SDG No.:	LB90279
Lab Sample ID:	I5346-15	Matrix:	Solid
Level (low/med):	low	% Solid:	98.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	5010		1	0.646	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	1.46		1	0.017	0.367	0.734	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	7.77		1	0.033	0.184	0.367	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	91.4		1	0.044	1.84	3.67	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.536		1	0.021	0.184	0.367	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.606		1	0.001	0.184	0.367	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	11600		1	0.945	91.8	184	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	12.5		1	0.019	0.367	0.734	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	7.83		1	0.017	0.184	0.367	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	23.7		1	0.019	0.367	0.734	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	13600		1	0.852	9.18	18.4	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	123		1	0.015	0.184	0.367	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	5380		1	1.22	91.8	184	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	590		1	0.026	0.184	0.367	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	2.14		1	0.01	0.918	1.84	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	17.2		1	0.03	0.184	0.367	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	558		1	1.97	91.8	184	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.176	U	1	0.297	0.918	1.84	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.121	J	1	0.012	0.184	0.367	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	23.5	J	1	0.931	91.8	184	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.239	J	1	0.009	0.184	0.367	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	2.06		1	0.001	0.918	1.84	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.613		1	0.01	0.184	0.367	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	18.7		1	0.009	0.918	1.84	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	136		1	0.048	0.367	0.734	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/30/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET203	SDG No.:	LB90279
Lab Sample ID:	I5346-15DL	Matrix:	Solid
Level (low/med):	low	% Solid:	98.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	4940	D	20	12.9	73.4	147	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	1.47	JD	20	0.349	7.34	14.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	8.3	D	20	0.664	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	90.1	D	20	0.88	36.7	73.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	0.416	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.661	JD	20	0.019	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	11200	D	20	18.9	1840	3670	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	11.6	JD	20	0.374	7.34	14.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	7.64	D	20	0.338	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	34.4	D	20	0.37	7.34	14.7	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	13100	D	20	17	184	367	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	117	D	20	0.307	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	5130	D	20	24.3	1840	3670	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	571	D	20	0.528	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	2.06	JD	20	0.2	18.4	36.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	24.3	D	20	0.596	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	458	JD	20	39.5	1840	3670	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	5.94	18.4	36.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.073	UD	20	0.247	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	18.6	1840	3670	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.147	UD	20	0.189	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	1.69	JD	20	0.018	18.4	36.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.587	JD	20	0.191	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	18.8	JD	20	0.186	18.4	36.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	132	D	20	0.958	7.34	14.7	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/30/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET204	SDG No.:	LB90279
Lab Sample ID:	I5346-16	Matrix:	Solid
Level (low/med):	low	% Solid:	98.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	4170		1	0.665	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	3.13		1	0.018	0.378	0.755	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	8.98		1	0.034	0.189	0.378	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	229		1	0.045	1.89	3.78	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.536		1	0.021	0.189	0.378	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	1.88		1	0.001	0.189	0.378	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	7580		1	0.972	94.4	189	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	20.1		1	0.019	0.378	0.755	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	7.13		1	0.017	0.189	0.378	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	68.6		1	0.019	0.378	0.755	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	26600		1	0.876	9.44	18.9	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	577		1	0.016	0.189	0.378	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	2860		1	1.25	94.4	189	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	564		1	0.027	0.189	0.378	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.78	J	1	0.01	0.944	1.89	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	17		1	0.031	0.189	0.378	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	509		1	2.03	94.4	189	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.302	U	1	0.306	0.944	1.89	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.328	J	1	0.013	0.189	0.378	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	29.3	J	1	0.958	94.4	189	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.238	J	1	0.01	0.189	0.378	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	44.6		1	0.001	0.944	1.89	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.627		1	0.01	0.189	0.378	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	17		1	0.01	0.944	1.89	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	578		1	0.049	0.378	0.755	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/30/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET204	SDG No.:	LB90279
Lab Sample ID:	I5346-16DL	Matrix:	Solid
Level (low/med):	low	% Solid:	98.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	4050	D	20	13.3	75.5	151	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	3.62	JD	20	0.359	7.55	15.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	8.83	D	20	0.683	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	214	D	20	0.905	37.8	75.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.302	UD	20	0.427	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	2.42	JD	20	0.02	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	7100	D	20	19.4	1890	3780	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	19	D	20	0.384	7.55	15.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	7.02	JD	20	0.347	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	64.6	D	20	0.381	7.55	15.1	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	25400	D	20	17.5	189	378	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	547	D	20	0.316	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	2810	JD	20	25	1890	3780	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	534	D	20	0.543	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.81	JD	20	0.205	18.9	37.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	15.6	D	20	0.613	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	472	JD	20	40.6	1890	3780	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	6.11	18.9	37.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.378	JD	20	0.254	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	19.2	1890	3780	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.227	JD	20	0.194	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	41.9	D	20	0.019	18.9	37.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.604	JD	20	0.196	3.78	7.55	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	16.4	JD	20	0.192	18.9	37.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	569	D	20	0.985	7.55	15.1	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET205	SDG No.:	LB90279
Lab Sample ID:	I5346-17	Matrix:	Solid
Level (low/med):	low	% Solid:	98.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	5110		1	0.655	3.72	7.43	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	4.26		1	0.018	0.372	0.743	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	12.6		1	0.034	0.186	0.372	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	255		1	0.045	1.86	3.72	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.491		1	0.021	0.186	0.372	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	1.06		1	0.001	0.186	0.372	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	28300		1	0.957	92.9	186	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	18		1	0.019	0.372	0.743	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	9.37		1	0.017	0.186	0.372	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	186		1	0.019	0.372	0.743	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	17500		1	0.862	9.29	18.6	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	369		1	0.016	0.186	0.372	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	6250		1	1.23	92.9	186	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	398		1	0.027	0.186	0.372	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.65	J	1	0.01	0.929	1.86	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	21.4		1	0.03	0.186	0.372	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	657		1	2	92.9	186	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.361	J	1	0.301	0.929	1.86	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.312	J	1	0.012	0.186	0.372	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	49.5	J	1	0.943	92.9	186	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.212	J	1	0.01	0.186	0.372	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	14.4		1	0.001	0.929	1.86	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.509		1	0.01	0.186	0.372	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	18.5		1	0.009	0.929	1.86	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	392		1	0.049	0.372	0.743	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET205	SDG No.:	LB90279
Lab Sample ID:	I5346-17DL	Matrix:	Solid
Level (low/med):	low	% Solid:	98.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	5320	D	20	13.1	74.3	149	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	4.46	JD	20	0.353	7.43	14.9	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	12.7	D	20	0.673	3.72	7.43	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	257	D	20	0.891	37.2	74.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	0.421	3.72	7.43	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	1.11	JD	20	0.019	3.72	7.43	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	29000	D	20	19.1	1860	3720	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	18	D	20	0.378	7.43	14.9	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	9.07	D	20	0.342	3.72	7.43	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	185	D	20	0.375	7.43	14.9	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	17400	D	20	17.2	186	372	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	364	D	20	0.311	3.72	7.43	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	6200	D	20	24.6	1860	3720	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	398	D	20	0.534	3.72	7.43	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.71	JD	20	0.202	18.6	37.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	19.8	D	20	0.604	3.72	7.43	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	596	JD	20	39.9	1860	3720	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	6.02	18.6	37.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.372	JD	20	0.25	3.72	7.43	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	18.9	1860	3720	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.149	UD	20	0.191	3.72	7.43	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	14.6	JD	20	0.019	18.6	37.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.446	JD	20	0.193	3.72	7.43	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	18.4	JD	20	0.189	18.6	37.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	395	D	20	0.97	7.43	14.9	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET206	SDG No.:	LB90279
Lab Sample ID:	I5346-18	Matrix:	Solid
Level (low/med):	low	% Solid:	98.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	4050		1	0.646	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	6.1		1	0.017	0.367	0.734	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	9.25		1	0.033	0.184	0.367	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	130		1	0.044	1.84	3.67	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.488		1	0.021	0.184	0.367	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.775		1	0.001	0.184	0.367	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	26500		1	0.945	91.8	184	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	13.5		1	0.019	0.367	0.734	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	14.7		1	0.017	0.184	0.367	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	62.6		1	0.019	0.367	0.734	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	13600		1	0.852	9.18	18.4	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	303		1	0.015	0.184	0.367	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	9420		1	1.22	91.8	184	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	1280		1	0.026	0.184	0.367	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.75	J	1	0.01	0.918	1.84	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	25.6		1	0.03	0.184	0.367	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	540		1	1.97	91.8	184	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.51	J	1	0.297	0.918	1.84	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.139	J	1	0.012	0.184	0.367	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	38.9	J	1	0.931	91.8	184	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.283	J	1	0.009	0.184	0.367	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	4.71		1	0.001	0.918	1.84	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.606		1	0.01	0.184	0.367	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	17.2		1	0.009	0.918	1.84	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	127		1	0.048	0.367	0.734	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET206	SDG No.:	LB90279
Lab Sample ID:	I5346-18DL	Matrix:	Solid
Level (low/med):	low	% Solid:	98.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	4070	D	20	12.9	73.4	147	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	5.87	JD	20	0.349	7.34	14.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	9.69	D	20	0.664	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	125	D	20	0.88	36.7	73.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.147	UD	20	0.416	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	1.03	JD	20	0.019	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	26300	D	20	18.9	1840	3670	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	12.8	JD	20	0.374	7.34	14.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	14.2	D	20	0.338	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	61.7	D	20	0.37	7.34	14.7	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	13800	D	20	17	184	367	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	286	D	20	0.307	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	9320	D	20	24.3	1840	3670	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	1270	D	20	0.528	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.62	JD	20	0.2	18.4	36.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	24.5	D	20	0.596	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	479	JD	20	39.5	1840	3670	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	5.94	18.4	36.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.147	UD	20	0.247	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	18.6	1840	3670	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.22	JD	20	0.189	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	4.41	JD	20	0.018	18.4	36.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.587	JD	20	0.191	3.67	7.34	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	17.3	JD	20	0.186	18.4	36.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	123	D	20	0.958	7.34	14.7	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET207	SDG No.:	LB90279
Lab Sample ID:	I5346-19	Matrix:	Solid
Level (low/med):	low	% Solid:	99.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	5140		1	0.66	3.75	7.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	2.47		1	0.018	0.375	0.75	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	11.4		1	0.034	0.188	0.375	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	216		1	0.045	1.88	3.75	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.563		1	0.021	0.188	0.375	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	1.56		1	0.001	0.188	0.375	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	40200		1	0.966	93.8	188	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	13.6		1	0.019	0.375	0.75	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	6.4		1	0.017	0.188	0.375	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	34.1		1	0.019	0.375	0.75	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	15500		1	0.87	9.38	18.8	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	541		1	0.016	0.188	0.375	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	17200		1	1.24	93.8	188	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	328		1	0.027	0.188	0.375	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	3.13		1	0.01	0.938	1.88	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	17.7		1	0.03	0.188	0.375	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	579		1	2.02	93.8	188	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.386	J	1	0.304	0.938	1.88	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.143	J	1	0.013	0.188	0.375	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	62.1	J	1	0.951	93.8	188	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.128	J	1	0.01	0.188	0.375	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	6.94		1	0.001	0.938	1.88	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.675		1	0.01	0.188	0.375	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	19.9		1	0.01	0.938	1.88	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	577		1	0.049	0.375	0.75	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET207	SDG No.:	LB90279
Lab Sample ID:	I5346-19DL	Matrix:	Solid
Level (low/med):	low	% Solid:	99.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	5360	D	20	13.2	75	150	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	2.33	JD	20	0.356	7.5	15	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	11.8	D	20	0.679	3.75	7.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	207	D	20	0.899	37.5	75	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.15	UD	20	0.425	3.75	7.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	1.95	JD	20	0.02	3.75	7.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	39700	D	20	19.3	1880	3750	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	13.4	JD	20	0.382	7.5	15	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	6.6	JD	20	0.345	3.75	7.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	35	D	20	0.378	7.5	15	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	15700	D	20	17.4	188	375	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	513	D	20	0.314	3.75	7.5	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	17100	D	20	24.8	1880	3750	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	333	D	20	0.539	3.75	7.5	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	3.38	JD	20	0.204	18.8	37.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	17	D	20	0.609	3.75	7.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	621	JD	20	40.3	1880	3750	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	6.07	18.8	37.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.15	UD	20	0.252	3.75	7.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	19	1880	3750	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0	UD	20	0.193	3.75	7.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	6.6	JD	20	0.019	18.8	37.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.6	JD	20	0.195	3.75	7.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	20.6	JD	20	0.191	18.8	37.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	592	D	20	0.979	7.5	15	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET208	SDG No.:	LB90279
Lab Sample ID:	I5346-20	Matrix:	Solid
Level (low/med):	low	% Solid:	99.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	5610		1	0.653	3.71	7.41	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	7.42		1	0.018	0.371	0.741	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	8.84		1	0.034	0.185	0.371	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	123		1	0.044	1.85	3.71	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.715		1	0.021	0.185	0.371	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.96		1	0.001	0.185	0.371	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	18600		1	0.955	92.7	185	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	14		1	0.019	0.371	0.741	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	6.42		1	0.017	0.185	0.371	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	49.2		1	0.019	0.371	0.741	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	12800		1	0.86	9.27	18.5	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	486		1	0.015	0.185	0.371	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	7100		1	1.23	92.7	185	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	337		1	0.027	0.185	0.371	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.47	J	1	0.01	0.927	1.85	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	18.3		1	0.03	0.185	0.371	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	615		1	1.99	92.7	185	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.445	J	1	0.3	0.927	1.85	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.174	J	1	0.012	0.185	0.371	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	38.3	J	1	0.94	92.7	185	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.193	J	1	0.01	0.185	0.371	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	8.31		1	0.001	0.927	1.85	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.782		1	0.01	0.185	0.371	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	18.6		1	0.009	0.927	1.85	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	184		1	0.048	0.371	0.741	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET208	SDG No.:	LB90279
Lab Sample ID:	I5346-20DL	Matrix:	Solid
Level (low/med):	low	% Solid:	99.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	5490	D	20	13.1	74.1	148	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	7.41	JD	20	0.352	7.41	14.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	9.93	D	20	0.671	3.71	7.41	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	121	D	20	0.889	37.1	74.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.074	UD	20	0.42	3.71	7.41	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.815	JD	20	0.019	3.71	7.41	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	18100	D	20	19.1	1850	3710	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	13.6	JD	20	0.377	7.41	14.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	6.23	JD	20	0.341	3.71	7.41	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	46.9	D	20	0.374	7.41	14.8	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	12600	D	20	17.2	185	371	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	466	D	20	0.31	3.71	7.41	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	7060	D	20	24.5	1850	3710	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	323	D	20	0.533	3.71	7.41	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.33	JD	20	0.202	18.5	37.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	17.3	D	20	0.602	3.71	7.41	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	520	JD	20	39.8	1850	3710	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	6	18.5	37.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.148	UD	20	0.249	3.71	7.41	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	18.8	1850	3710	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.148	UD	20	0.19	3.71	7.41	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	7.93	JD	20	0.019	18.5	37.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.741	JD	20	0.193	3.71	7.41	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	17.6	JD	20	0.188	18.5	37.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	187	D	20	0.967	7.41	14.8	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET2A9	SDG No.:	LB90279
Lab Sample ID:	I5346-21	Matrix:	Solid
Level (low/med):	low	% Solid:	96.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	6540		1	0.679	3.85	7.71	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	1.03		1	0.018	0.385	0.771	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	10.38		1	0.035	0.193	0.385	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	102		1	0.046	1.93	3.85	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.752		1	0.022	0.193	0.385	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.59		1	0.001	0.193	0.385	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	19700		1	0.993	96.4	193	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	13.5		1	0.02	0.385	0.771	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	6.54		1	0.018	0.193	0.385	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	24.6		1	0.019	0.385	0.771	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	17400		1	0.894	9.64	19.3	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	82.1		1	0.016	0.193	0.385	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	7650		1	1.28	96.4	193	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	290		1	0.028	0.193	0.385	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.46	J	1	0.01	0.964	1.93	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	16.9		1	0.031	0.193	0.385	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	782		1	2.07	96.4	193	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.432	J	1	0.312	0.964	1.93	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.127	J	1	0.013	0.193	0.385	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	19.9	J	1	0.978	96.4	193	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.127	J	1	0.01	0.193	0.385	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	1.5	J	1	0.001	0.964	1.93	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	1.01		1	0.01	0.193	0.385	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	23.3		1	0.01	0.964	1.93	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	93.8		1	0.05	0.385	0.771	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET2A9	SDG No.:	LB90279
Lab Sample ID:	I5346-21DL	Matrix:	Solid
Level (low/med):	low	% Solid:	96.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	6420	D	20	13.6	77.1	154	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	0.925	JD	20	0.366	7.71	15.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	10.48	D	20	0.698	3.85	7.71	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	99	D	20	0.924	38.5	77.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.154	UD	20	0.436	3.85	7.71	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.694	JD	20	0.02	3.85	7.71	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	18900	D	20	19.9	1930	3850	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	12.6	JD	20	0.392	7.71	15.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	6.09	JD	20	0.355	3.85	7.71	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	22.6	D	20	0.388	7.71	15.4	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	16400	D	20	17.9	193	385	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	77.1	D	20	0.322	3.85	7.71	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	7270	D	20	25.5	1930	3850	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	269	D	20	0.554	3.85	7.71	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.31	JD	20	0.21	19.3	38.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	15	D	20	0.626	3.85	7.71	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	653	JD	20	41.4	1930	3850	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	6.24	19.3	38.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.154	UD	20	0.259	3.85	7.71	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	19.6	1930	3850	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0	UD	20	0.198	3.85	7.71	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	1.16	JD	20	0.019	19.3	38.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.925	JD	20	0.2	3.85	7.71	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	21.1	JD	20	0.196	19.3	38.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	88.2	D	20	1.01	7.71	15.4	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET2B0	SDG No.:	LB90279
Lab Sample ID:	I5346-22	Matrix:	Solid
Level (low/med):	low	% Solid:	96.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	6.75	J	1	0.658	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	61		1	0.018	0.374	0.748	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	0	U	1	0.034	0.187	0.374	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	26		1	0.045	1.87	3.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.31	J	1	0.021	0.187	0.374	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	27.7		1	0.001	0.187	0.374	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	43500		1	0.963	93.5	187	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	0	U	1	0.019	0.374	0.748	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	0	U	1	0.017	0.187	0.374	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	0.06	J	1	0.019	0.374	0.748	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	20.8		1	0.867	9.35	18.7	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	17.4		1	0.016	0.187	0.374	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	4.24	J	1	1.24	93.5	187	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	0.236	J	1	0.027	0.187	0.374	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	0	U	1	0.01	0.935	1.87	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	0	U	1	0.03	0.187	0.374	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	0	U	1	2.01	93.5	187	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	U	1	0.303	0.935	1.87	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	37.9		1	0.013	0.187	0.374	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	U	1	0.949	93.5	187	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.58		1	0.01	0.187	0.374	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	72.5		1	0.001	0.935	1.87	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.082	J	1	0.01	0.187	0.374	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	0.015	J	1	0.009	0.935	1.87	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	0.763		1	0.049	0.374	0.748	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET2B0	SDG No.:	LB90279
Lab Sample ID:	I5346-22DL	Matrix:	Solid
Level (low/med):	low	% Solid:	96.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	5170	D	2	1.32	7.48	15	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	10.01	D	2	0.036	0.748	1.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	11.4	D	2	0.068	0.374	0.748	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	129	D	2	0.09	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.419	JD	2	0.042	0.374	0.748	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	2.05	D	2	0.002	0.374	0.748	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	12700	D	2	1.93	187	374	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	12.4	D	2	0.038	0.748	1.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	5.05	D	2	0.034	0.374	0.748	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	72.5	D	2	0.038	0.748	1.5	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	16600	D	2	1.73	18.7	37.4	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	716	D	2	0.031	0.374	0.748	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	5310	D	2	2.48	187	374	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	223	D	2	0.054	0.374	0.748	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.5	JD	2	0.02	1.87	3.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	12.3	D	2	0.061	0.374	0.748	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	746	D	2	4.02	187	374	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	2	0.605	1.87	3.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.172	JD	2	0.025	0.374	0.748	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	2	1.9	187	374	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.105	JD	2	0.019	0.374	0.748	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	23.5	D	2	0.002	1.87	3.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.494	JD	2	0.019	0.374	0.748	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	18.1	D	2	0.019	1.87	3.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	666	D	2	0.098	0.748	1.5	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET2B0	SDG No.:	LB90279
Lab Sample ID:	I5346-22DL2	Matrix:	Solid
Level (low/med):	low	% Solid:	96.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	4840	D	20	13.2	74.8	150	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	9.8	JD	20	0.355	7.48	15	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	11.3	D	20	0.677	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	123	D	20	0.897	37.4	74.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	0.423	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	2.24	JD	20	0.019	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	12300	D	20	19.3	1870	3740	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	10.99	JD	20	0.381	7.48	15	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	4.71	JD	20	0.344	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	67.8	D	20	0.377	7.48	15	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	15500	D	20	17.3	187	374	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	684	D	20	0.313	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	4980	D	20	24.8	1870	3740	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	207	D	20	0.538	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.27	JD	20	0.203	18.7	37.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	10.25	D	20	0.607	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	627	JD	20	40.2	1870	3740	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	6.05	18.7	37.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.15	UD	20	0.251	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	19	1870	3740	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0	UD	20	0.192	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	22.1	JD	20	0.019	18.7	37.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.449	JD	20	0.194	3.74	7.48	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	16.2	JD	20	0.19	18.7	37.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	631	D	20	0.976	7.48	15	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/1/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET2B1	SDG No.:	LB90279
Lab Sample ID:	I5347-01	Matrix:	Solid
Level (low/med):	low	% Solid:	99.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	2600		1	0.652	3.7	7.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	1260		1	0.018	0.37	0.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	1670		1	0.034	0.185	0.37	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	273		1	0.044	1.85	3.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.615		1	0.021	0.185	0.37	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	131		1	0.001	0.185	0.37	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	103000		1	0.954	92.6	185	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	689		1	0.019	0.37	0.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	34.2		1	0.017	0.185	0.37	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	99.1		1	0.019	0.37	0.74	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	4010		1	0.859	9.26	18.5	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	25		1	0.015	0.185	0.37	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	16500		1	1.23	92.6	185	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	255		1	0.027	0.185	0.37	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	31.2		1	0.01	0.926	1.85	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	227		1	0.03	0.185	0.37	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	122000		1	1.99	92.6	185	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	U	1	0.3	0.926	1.85	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	130		1	0.012	0.185	0.37	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	171000		1	0.939	92.6	185	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	1.97		1	0.01	0.185	0.37	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	1550		1	0.001	0.926	1.85	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.07	J	1	0.01	0.185	0.37	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	14.5		1	0.009	0.926	1.85	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	277		1	0.048	0.37	0.74	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/1/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET2B1	SDG No.:	LB90279
Lab Sample ID:	I5347-01DL	Matrix:	Solid
Level (low/med):	low	% Solid:	99.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	7700	D	20	13	74	148	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	1.18	JD	20	0.352	7.4	14.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	16.9	D	20	0.67	3.7	7.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	211	D	20	0.888	37	74	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.074	UD	20	0.419	3.7	7.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	1.41	JD	20	0.019	3.7	7.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	28700	D	20	19.1	1850	3700	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	17.7	D	20	0.377	7.4	14.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	6	JD	20	0.341	3.7	7.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	36.5	D	20	0.373	7.4	14.8	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	15800	D	20	17.2	185	370	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	73.7	D	20	0.31	3.7	7.4	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	13400	D	20	24.5	1850	3700	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	281	D	20	0.532	3.7	7.4	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	6.15	JD	20	0.201	18.5	37	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	20.7	D	20	0.601	3.7	7.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	840	JD	20	39.8	1850	3700	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	5.99	18.5	37	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.222	UD	20	0.249	3.7	7.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	18.8	1850	3700	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0	UD	20	0.19	3.7	7.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	1.63	JD	20	0.019	18.5	37	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	3.11	JD	20	0.193	3.7	7.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	28.8	JD	20	0.188	18.5	37	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	145	D	20	0.966	7.4	14.8	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/1/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET2B1	SDG No.:	LB90279
Lab Sample ID:	I5347-01RE	Matrix:	Solid
Level (low/med):	low	% Solid:	99.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	7440		1	0.652	3.7	7.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	1.29		1	0.018	0.37	0.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	16.7		1	0.034	0.185	0.37	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	218		1	0.044	1.85	3.7	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.781		1	0.021	0.185	0.37	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	1.35		1	0.001	0.185	0.37	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	28700		1	0.954	92.6	185	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	16		1	0.019	0.37	0.74	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	6.02		1	0.017	0.185	0.37	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	34.9		1	0.019	0.37	0.74	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	15200		1	0.859	9.26	18.5	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	74.3		1	0.015	0.185	0.37	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	13200		1	1.23	92.6	185	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	269		1	0.027	0.185	0.37	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	5.85		1	0.01	0.926	1.85	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	20.7		1	0.03	0.185	0.37	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	749		1	1.99	92.6	185	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	1.02	J	1	0.3	0.926	1.85	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.159	J	1	0.012	0.185	0.37	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	19.7	J	1	0.939	92.6	185	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.141	J	1	0.01	0.185	0.37	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	1.87		1	0.001	0.926	1.85	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	3.3		1	0.01	0.185	0.37	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	28.5		1	0.009	0.926	1.85	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	139		1	0.048	0.37	0.74	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/1/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET2B2	SDG No.:	LB90279
Lab Sample ID:	I5347-02	Matrix:	Solid
Level (low/med):	low	% Solid:	93.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	11700		1	0.674	3.83	7.66	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	2.51		1	0.018	0.383	0.766	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	11.7		1	0.035	0.191	0.383	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	318		1	0.046	1.91	3.83	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	1.12		1	0.022	0.191	0.383	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	1.63		1	0.001	0.191	0.383	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	11200		1	0.986	95.7	191	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	22.4		1	0.019	0.383	0.766	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	7.22		1	0.018	0.191	0.383	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	47.1		1	0.019	0.383	0.766	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	24400		1	0.888	9.57	19.1	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	149		1	0.016	0.191	0.383	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	4240		1	1.27	95.7	191	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	363		1	0.028	0.191	0.383	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	2.18		1	0.01	0.957	1.91	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	24.1		1	0.031	0.191	0.383	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	905		1	2.06	95.7	191	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.846	J	1	0.31	0.957	1.91	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.291	J	1	0.013	0.191	0.383	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	26.7	J	1	0.971	95.7	191	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.222	J	1	0.01	0.191	0.383	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	5.24		1	0.001	0.957	1.91	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	1.76		1	0.01	0.191	0.383	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	30.8		1	0.01	0.957	1.91	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	235		1	0.05	0.383	0.766	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/1/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET2B2	SDG No.:	LB90279
Lab Sample ID:	I5347-02DL	Matrix:	Solid
Level (low/med):	low	% Solid:	93.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	11900	D	20	13.5	76.6	153	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	1.3	JD	20	0.364	7.66	15.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	13.2	D	20	0.693	3.83	7.66	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	174	D	20	0.918	38.3	76.6	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	0.433	3.83	7.66	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.536	JD	20	0.02	3.83	7.66	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	5740	D	20	19.7	1910	3830	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	22.7	D	20	0.39	7.66	15.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	7.27	JD	20	0.352	3.83	7.66	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	48.5	D	20	0.386	7.66	15.3	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	24900	D	20	17.8	191	383	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	81.3	D	20	0.32	3.83	7.66	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	4280	D	20	25.3	1910	3830	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	373	D	20	0.55	3.83	7.66	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.15	JD	20	0.208	19.1	38.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	24.3	D	20	0.622	3.83	7.66	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	861	JD	20	41.1	1910	3830	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	6.2	19.1	38.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.153	UD	20	0.257	3.83	7.66	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	19.4	1910	3830	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0	UD	20	0.197	3.83	7.66	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	2.37	JD	20	0.019	19.1	38.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.919	JD	20	0.199	3.83	7.66	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	31	JD	20	0.194	19.1	38.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	242	D	20	0.999	7.66	15.3	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/1/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET2B2	SDG No.:	LB90279
Lab Sample ID:	I5347-02DLRE	Matrix:	Solid
Level (low/med):	low	% Solid:	93.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	12200	D	20	13.5	76.6	153	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	2.37	JD	20	0.364	7.66	15.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	14.1	D	20	0.693	3.83	7.66	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	308	D	20	0.918	38.3	76.6	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.23	UD	20	0.433	3.83	7.66	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	1.99	JD	20	0.02	3.83	7.66	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	11000	D	20	19.7	1910	3830	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	22.7	D	20	0.39	7.66	15.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	7.66	D	20	0.352	3.83	7.66	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	47.8	D	20	0.386	7.66	15.3	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	25300	D	20	17.8	191	383	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	143	D	20	0.32	3.83	7.66	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	4360	D	20	25.3	1910	3830	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	383	D	20	0.55	3.83	7.66	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	2.22	JD	20	0.208	19.1	38.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	23.4	D	20	0.622	3.83	7.66	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	872	JD	20	41.1	1910	3830	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	6.2	19.1	38.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.23	UD	20	0.257	3.83	7.66	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	19.4	1910	3830	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.077	UD	20	0.197	3.83	7.66	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	4.98	JD	20	0.019	19.1	38.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	1.68	JD	20	0.199	3.83	7.66	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	31.8	JD	20	0.194	19.1	38.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	248	D	20	0.999	7.66	15.3	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/5/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET2B3	SDG No.:	LB90279
Lab Sample ID:	I5347-03	Matrix:	Solid
Level (low/med):	low	% Solid:	99.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	5580		1	0.635	3.61	7.22	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	17.6		1	0.017	0.361	0.722	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	10.06		1	0.033	0.18	0.361	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	111		1	0.043	1.8	3.61	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.584		1	0.02	0.18	0.361	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.808		1	0.001	0.18	0.361	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	33300		1	0.929	90.2	180	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	15.8		1	0.018	0.361	0.722	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	7.62		1	0.017	0.18	0.361	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	50.9		1	0.018	0.361	0.722	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	15500		1	0.837	9.02	18	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	574		1	0.015	0.18	0.361	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	9730		1	1.19	90.2	180	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	589		1	0.026	0.18	0.361	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	2.07		1	0.01	0.902	1.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	18		1	0.029	0.18	0.361	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	444		1	1.94	90.2	180	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.548	J	1	0.292	0.902	1.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.227	J	1	0.012	0.18	0.361	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	44.4	J	1	0.915	90.2	180	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.274	J	1	0.009	0.18	0.361	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	6.21		1	0.001	0.902	1.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.628		1	0.009	0.18	0.361	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	20		1	0.009	0.902	1.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	156		1	0.047	0.361	0.722	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/5/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET2B3	SDG No.:	LB90279
Lab Sample ID:	I5347-03DL	Matrix:	Solid
Level (low/med):	low	% Solid:	99.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	5360	D	20	12.7	72.2	144	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	2.45	JD	20	0.343	7.22	14.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	9.74	D	20	0.653	3.61	7.22	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	15.6	JD	20	0.865	36.1	72.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	0.408	3.61	7.22	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0	UD	20	0.019	3.61	7.22	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	3990	D	20	18.6	1800	3610	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	15	D	20	0.367	7.22	14.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	7.07	JD	20	0.332	3.61	7.22	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	47.1	D	20	0.364	7.22	14.4	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	14700	D	20	16.7	180	361	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	82.8	D	20	0.302	3.61	7.22	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	9070	D	20	23.9	1800	3610	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	565	D	20	0.519	3.61	7.22	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	0.072	UD	20	0.196	18	36.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	16.4	D	20	0.586	3.61	7.22	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	353	JD	20	38.8	1800	3610	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	5.84	18	36.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0	UD	20	0.242	3.61	7.22	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	18.3	1800	3610	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0	UD	20	0.185	3.61	7.22	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	0.216	JD	20	0.018	18	36.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.072	UD	20	0.188	3.61	7.22	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	18.7	JD	20	0.183	18	36.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	154	D	20	0.942	7.22	14.4	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/5/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET2B3	SDG No.:	LB90279
Lab Sample ID:	I5347-03DLRE	Matrix:	Solid
Level (low/med):	low	% Solid:	99.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	5370	D	20	12.7	72.2	144	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	17.3	D	20	0.343	7.22	14.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	10.25	D	20	0.653	3.61	7.22	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	112	D	20	0.865	36.1	72.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	0.408	3.61	7.22	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.866	JD	20	0.019	3.61	7.22	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	33400	D	20	18.6	1800	3610	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	15.7	D	20	0.367	7.22	14.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	8.01	D	20	0.332	3.61	7.22	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	51.7	D	20	0.364	7.22	14.4	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	15700	D	20	16.7	180	361	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	562	D	20	0.302	3.61	7.22	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	9730	D	20	23.9	1800	3610	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	599	D	20	0.519	3.61	7.22	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.95	JD	20	0.196	18	36.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	17.1	D	20	0.586	3.61	7.22	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	451	JD	20	38.8	1800	3610	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	5.84	18	36.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.144	UD	20	0.242	3.61	7.22	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	18.3	1800	3610	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.072	UD	20	0.185	3.61	7.22	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	5.99	JD	20	0.018	18	36.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.577	JD	20	0.188	3.61	7.22	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	19	JD	20	0.183	18	36.1	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	157	D	20	0.942	7.22	14.4	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/5/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET2B4	SDG No.:	LB90279
Lab Sample ID:	I5347-04	Matrix:	Solid
Level (low/med):	low	% Solid:	99.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	4640		1	0.637	3.62	7.23	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	11.4		1	0.017	0.362	0.723	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	11.1		1	0.033	0.181	0.362	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	207		1	0.043	1.81	3.62	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.654		1	0.02	0.181	0.362	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	1.89		1	0.001	0.181	0.362	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	32400		1	0.931	90.4	181	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	17.1		1	0.018	0.362	0.723	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	7.22		1	0.017	0.181	0.362	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	67.5		1	0.018	0.362	0.723	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	13000		1	0.839	9.04	18.1	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	927		1	0.015	0.181	0.362	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	10500		1	1.2	90.4	181	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	451		1	0.026	0.181	0.362	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.87		1	0.01	0.904	1.81	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	17.9		1	0.029	0.181	0.362	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	516		1	1.94	90.4	181	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.38	J	1	0.293	0.904	1.81	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.311	J	1	0.012	0.181	0.362	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	38.6	J	1	0.917	90.4	181	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.3	J	1	0.009	0.181	0.362	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	12.8		1	0.001	0.904	1.81	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.578		1	0.009	0.181	0.362	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	17.1		1	0.009	0.904	1.81	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	445		1	0.047	0.362	0.723	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/5/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET2B4	SDG No.:	LB90279
Lab Sample ID:	I5347-04DL	Matrix:	Solid
Level (low/med):	low	% Solid:	99.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	4650	D	20	12.7	72.3	145	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	11.3	JD	20	0.343	7.23	14.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	10.99	D	20	0.654	3.62	7.23	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	202	D	20	0.867	36.2	72.3	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	0.409	3.62	7.23	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	2.1	JD	20	0.019	3.62	7.23	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	32400	D	20	18.6	1810	3620	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	17.4	D	20	0.368	7.23	14.5	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	7.09	JD	20	0.333	3.62	7.23	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	65.7	D	20	0.364	7.23	14.5	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	13000	D	20	16.8	181	362	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	893	D	20	0.302	3.62	7.23	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	10200	D	20	23.9	1810	3620	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	444	D	20	0.52	3.62	7.23	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.74	JD	20	0.197	18.1	36.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	16.2	D	20	0.587	3.62	7.23	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	491	JD	20	38.9	1810	3620	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	5.85	18.1	36.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.289	JD	20	0.243	3.62	7.23	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	18.3	1810	3620	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.145	UD	20	0.186	3.62	7.23	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	12.5	JD	20	0.018	18.1	36.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.578	JD	20	0.188	3.62	7.23	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	17.5	JD	20	0.184	18.1	36.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	450	D	20	0.944	7.23	14.5	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/5/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET2B5	SDG No.:	LB90279
Lab Sample ID:	I5347-07	Matrix:	Solid
Level (low/med):	low	% Solid:	99.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	5370		1	0.624	3.54	7.08	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	11.7		1	0.017	0.354	0.708	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	9.15		1	0.032	0.177	0.354	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	103		1	0.042	1.77	3.54	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0.595		1	0.02	0.177	0.354	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	0.804		1	0.001	0.177	0.354	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	29100		1	0.912	88.6	177	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	15		1	0.018	0.354	0.708	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	7.17		1	0.016	0.177	0.354	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	48.8		1	0.018	0.354	0.708	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	13800		1	0.822	8.86	17.7	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	555		1	0.015	0.177	0.354	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	9490		1	1.17	88.6	177	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	483		1	0.025	0.177	0.354	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.92		1	0.01	0.886	1.77	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	17.9		1	0.029	0.177	0.354	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	417		1	1.9	88.6	177	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0.56	J	1	0.287	0.886	1.77	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.152	J	1	0.012	0.177	0.354	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	23.1	J	1	0.899	88.6	177	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.255	J	1	0.009	0.177	0.354	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	5.63		1	0.001	0.886	1.77	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.574		1	0.009	0.177	0.354	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	18.7		1	0.009	0.886	1.77	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	153		1	0.046	0.354	0.708	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/5/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET2B5	SDG No.:	LB90279
Lab Sample ID:	I5347-07DL	Matrix:	Solid
Level (low/med):	low	% Solid:	99.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	5190	D	20	12.5	70.8	142	mg/Kg	09/21/2017	09/22/2017	6020
7440-36-0	Antimony	11.7	JD	20	0.337	7.08	14.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-38-2	Arsenic	10.49	D	20	0.641	3.54	7.08	mg/Kg	09/21/2017	09/22/2017	6020
7440-39-3	Barium	104	D	20	0.849	35.4	70.8	mg/Kg	09/21/2017	09/22/2017	6020
7440-41-7	Beryllium	0	UD	20	0.401	3.54	7.08	mg/Kg	09/21/2017	09/22/2017	6020
7440-43-9	Cadmium	1.35	JD	20	0.018	3.54	7.08	mg/Kg	09/21/2017	09/22/2017	6020
7440-70-2	Calcium	29100	D	20	18.2	1770	3540	mg/Kg	09/21/2017	09/22/2017	6020
7440-47-3	Chromium	15.1	D	20	0.361	7.08	14.2	mg/Kg	09/21/2017	09/22/2017	6020
7440-48-4	Cobalt	7.01	JD	20	0.326	3.54	7.08	mg/Kg	09/21/2017	09/22/2017	6020
7440-50-8	Copper	50	D	20	0.357	7.08	14.2	mg/Kg	09/21/2017	09/22/2017	6020
7439-89-6	Iron	13700	D	20	16.4	177	354	mg/Kg	09/21/2017	09/22/2017	6020
7439-92-1	Lead	539	D	20	0.296	3.54	7.08	mg/Kg	09/21/2017	09/22/2017	6020
7439-95-4	Magnesium	9210	D	20	23.5	1770	3540	mg/Kg	09/21/2017	09/22/2017	6020
7439-96-5	Manganese	479	D	20	0.509	3.54	7.08	mg/Kg	09/21/2017	09/22/2017	6020
7439-98-7	Molybdenum	1.77	JD	20	0.193	17.7	35.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-02-0	Nickel	18.8	D	20	0.575	3.54	7.08	mg/Kg	09/21/2017	09/22/2017	6020
7440-09-7	Potassium	402	JD	20	38.1	1770	3540	mg/Kg	09/21/2017	09/22/2017	6020
7782-49-2	Selenium	0	UD	20	5.74	17.7	35.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-22-4	Silver	0.142	UD	20	0.238	3.54	7.08	mg/Kg	09/21/2017	09/22/2017	6020
7440-23-5	Sodium	0	UD	20	18	1770	3540	mg/Kg	09/21/2017	09/22/2017	6020
7440-28-0	Thallium	0.142	UD	20	0.182	3.54	7.08	mg/Kg	09/21/2017	09/22/2017	6020
7440-31-5	Tin	5.31	JD	20	0.018	17.7	35.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-61-1	Uranium	0.496	JD	20	0.184	3.54	7.08	mg/Kg	09/21/2017	09/22/2017	6020
7440-62-2	Vanadium	18.2	JD	20	0.18	17.7	35.4	mg/Kg	09/21/2017	09/22/2017	6020
7440-66-6	Zinc	156	D	20	0.925	7.08	14.2	mg/Kg	09/21/2017	09/22/2017	6020

Report of Analysis

Client:		Date Collected:	9/5/2017 12:00:00 AM
Project:	LB90279	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	MET2B5	SDG No.:	LB90279
Lab Sample ID:	I5347-07DL	Matrix:	Solid
Level (low/med):	low	% Solid:	99.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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Color Before:	Clarity Before:	Texture:
Color After:	Clarity After:	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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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90279 SDG No.: LB90279
 Contract: _____ Lab Code: CHEM Case No.: LB90279 SAS No.: LB90279
 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	492.55	504	97.7	13.64	90 - 110	P	09/22/2017	13:45	LB90279
	Antimony	198.53	199	99.8	0.60	90 - 110	P	09/22/2017	13:45	LB90279
	Arsenic	193.22	200	96.6	2.66	90 - 110	P	09/22/2017	13:45	LB90279
	Barium	96.48	99	97.5	0.38	90 - 110	P	09/22/2017	13:45	LB90279
	Beryllium	96.03	99	97	1.07	90 - 110	P	09/22/2017	13:45	LB90279
	Cadmium	103.59	99	104.6	0.34	90 - 110	P	09/22/2017	13:45	LB90279
	Calcium	2049.55	2005	102.2	0.59	90 - 110	P	09/22/2017	13:45	LB90279
	Chromium	96.94	98	98.9	2.39	90 - 110	P	09/22/2017	13:45	LB90279
	Cobalt	100.34	100	100.3	3.25	90 - 110	P	09/22/2017	13:45	LB90279
	Copper	99.25	98	101.3	2.99	90 - 110	P	09/22/2017	13:45	LB90279
	Iron	956.42	1016	94.1	4.05	90 - 110	P	09/22/2017	13:45	LB90279
	Lead	194.86	200	97.4	0.74	90 - 110	P	09/22/2017	13:45	LB90279
	Magnesium	1177.16	1215	96.9	3.07	90 - 110	P	09/22/2017	13:45	LB90279
	Manganese	97.48	100	97.5	2.94	90 - 110	P	09/22/2017	13:45	LB90279
	Nickel	102.19	101	101.2	3.23	90 - 110	P	09/22/2017	13:45	LB90279
	Potassium	1929.83	2004	96.3	3.88	90 - 110	P	09/22/2017	13:45	LB90279
	Selenium	197.82	206	96	1.71	90 - 110	P	09/22/2017	13:45	LB90279
	Molybdenum	500.93	500	100.2	0.68	90 - 110	P	09/22/2017	13:45	LB90279
	Tin	520.27	500	104.1	0.15	90 - 110	P	09/22/2017	13:45	LB90279
	Silver	97.78	100	97.8	0.76	90 - 110	P	09/22/2017	13:45	LB90279
	Sodium	2033.52	2019	100.7	2.37	90 - 110	P	09/22/2017	13:45	LB90279
	Thallium	203.28	206	98.7	1.41	90 - 110	P	09/22/2017	13:45	LB90279
	Uranium	527.11	500	105.4	1.04	90 - 110	P	09/22/2017	13:45	LB90279
	Vanadium	97.06	100	97.1	2.65	90 - 110	P	09/22/2017	13:45	LB90279
	Zinc	197.51	205	96.3	2.23	90 - 110	P	09/22/2017	13:45	LB90279

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90279 SDG No.: LB90279

Contract: _____ Lab Code: CHEM Case No.: LB90279 SAS No.: LB90279

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
CCV45	Aluminum	50046.1	50000	100.1	0.52	90 - 110	P	09/22/2017	14:06	LB90279
	Antimony	528.27	500	105.7	0.60	90 - 110	P	09/22/2017	14:06	LB90279
	Arsenic	514.67	500	102.9	0.30	90 - 110	P	09/22/2017	14:06	LB90279
	Barium	2574.65	2500	103	0.22	90 - 110	P	09/22/2017	14:06	LB90279
	Beryllium	534.35	500	106.9	0.44	90 - 110	P	09/22/2017	14:06	LB90279
	Cadmium	514.71	500	102.9	0.13	90 - 110	P	09/22/2017	14:06	LB90279
	Calcium	248876	250000	99.6	0.05	90 - 110	P	09/22/2017	14:06	LB90279
	Chromium	547.74	500	109.5	0.58	90 - 110	P	09/22/2017	14:06	LB90279
	Cobalt	508.84	500	101.8	0.79	90 - 110	P	09/22/2017	14:06	LB90279
	Copper	1003.56	1000	100.4	0.37	90 - 110	P	09/22/2017	14:06	LB90279
	Iron	125555	125000	100.4	1.52	90 - 110	P	09/22/2017	14:06	LB90279
	Lead	536.71	500	107.3	0.55	90 - 110	P	09/22/2017	14:06	LB90279
	Magnesium	247667	250000	99.1	0.19	90 - 110	P	09/22/2017	14:06	LB90279
	Manganese	1036.18	1000	103.6	1.17	90 - 110	P	09/22/2017	14:06	LB90279
	Nickel	522.92	500	104.6	0.40	90 - 110	P	09/22/2017	14:06	LB90279
	Potassium	125296	125000	100.2	0.32	90 - 110	P	09/22/2017	14:06	LB90279
	Selenium	520.29	500	104.1	1.08	90 - 110	P	09/22/2017	14:06	LB90279
	Molybdenum	523.86	500	104.8	0.25	90 - 110	P	09/22/2017	14:06	LB90279
	Tin	513.88	500	102.8	0.17	90 - 110	P	09/22/2017	14:06	LB90279
	Silver	488.35	500	97.7	0.40	90 - 110	P	09/22/2017	14:06	LB90279
	Sodium	244749	250000	97.9	1.01	90 - 110	P	09/22/2017	14:06	LB90279
	Thallium	532.42	500	106.5	0.44	90 - 110	P	09/22/2017	14:06	LB90279
	Uranium	525.99	500	105.2	0.49	90 - 110	P	09/22/2017	14:06	LB90279
	Vanadium	525.89	500	105.2	0.91	90 - 110	P	09/22/2017	14:06	LB90279
	Zinc	997.76	1000	99.8	0.44	90 - 110	P	09/22/2017	14:06	LB90279
CCV46	Aluminum	46911.5	50000	93.8	0.75	90 - 110	P	09/22/2017	15:30	LB90279
	Antimony	483.57	500	96.7	0.79	90 - 110	P	09/22/2017	15:30	LB90279
	Arsenic	470.64	500	94.1	0.86	90 - 110	P	09/22/2017	15:30	LB90279
	Barium	2440.75	2500	97.6	1.50	90 - 110	P	09/22/2017	15:30	LB90279
	Beryllium	503.1	500	100.6	1.82	90 - 110	P	09/22/2017	15:30	LB90279
	Cadmium	471.96	500	94.4	0.42	90 - 110	P	09/22/2017	15:30	LB90279
	Calcium	238517	250000	95.4	1.21	90 - 110	P	09/22/2017	15:30	LB90279
	Chromium	483.57	500	96.7	1.44	90 - 110	P	09/22/2017	15:30	LB90279
	Cobalt	468.2	500	93.6	1.48	90 - 110	P	09/22/2017	15:30	LB90279

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90279 SDG No.: LB90279

Contract: _____ Lab Code: CHEM Case No.: LB90279 SAS No.: LB90279

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
CCV46	Copper	955.24	1000	95.5	1.79	90 - 110	P	09/22/2017	15:30	LB90279
	Iron	118898	125000	95.1	1.61	90 - 110	P	09/22/2017	15:30	LB90279
	Lead	491.8	500	98.4	1.25	90 - 110	P	09/22/2017	15:30	LB90279
	Magnesium	233020	250000	93.2	0.98	90 - 110	P	09/22/2017	15:30	LB90279
	Manganese	958.52	1000	95.9	2.30	90 - 110	P	09/22/2017	15:30	LB90279
	Nickel	470.02	500	94	0.56	90 - 110	P	09/22/2017	15:30	LB90279
	Potassium	119321	125000	95.5	1.17	90 - 110	P	09/22/2017	15:30	LB90279
	Tin	497.85	500	99.6	0.79	90 - 110	P	09/22/2017	15:30	LB90279
	Selenium	475.55	500	95.1	1.48	90 - 110	P	09/22/2017	15:30	LB90279
	Molybdenum	493.49	500	98.7	1.60	90 - 110	P	09/22/2017	15:30	LB90279
	Silver	469.74	500	93.9	1.12	90 - 110	P	09/22/2017	15:30	LB90279
	Sodium	233200	250000	93.3	0.88	90 - 110	P	09/22/2017	15:30	LB90279
	Thallium	487.39	500	97.5	1.16	90 - 110	P	09/22/2017	15:30	LB90279
	Uranium	498.67	500	99.7	1.36	90 - 110	P	09/22/2017	15:30	LB90279
	Vanadium	482.01	500	96.4	1.67	90 - 110	P	09/22/2017	15:30	LB90279
	Zinc	935.04	1000	93.5	1.24	90 - 110	P	09/22/2017	15:30	LB90279
CCV47	Aluminum	46693.8	50000	93.4	1.41	90 - 110	P	09/22/2017	16:54	LB90279
	Antimony	483.58	500	96.7	1.71	90 - 110	P	09/22/2017	16:54	LB90279
	Arsenic	467.63	500	93.5	0.42	90 - 110	P	09/22/2017	16:54	LB90279
	Barium	2433.35	2500	97.3	2.17	90 - 110	P	09/22/2017	16:54	LB90279
	Beryllium	488.9	500	97.8	1.99	90 - 110	P	09/22/2017	16:54	LB90279
	Cadmium	472.81	500	94.6	1.69	90 - 110	P	09/22/2017	16:54	LB90279
	Calcium	236383	250000	94.6	0.86	90 - 110	P	09/22/2017	16:54	LB90279
	Chromium	478.04	500	95.6	1.46	90 - 110	P	09/22/2017	16:54	LB90279
	Cobalt	462.67	500	92.5	0.97	90 - 110	P	09/22/2017	16:54	LB90279
	Copper	937.72	1000	93.8	1.95	90 - 110	P	09/22/2017	16:54	LB90279
	Iron	117438	125000	94	0.77	90 - 110	P	09/22/2017	16:54	LB90279
	Lead	490.77	500	98.2	1.16	90 - 110	P	09/22/2017	16:54	LB90279
	Magnesium	231880	250000	92.8	1.27	90 - 110	P	09/22/2017	16:54	LB90279
	Manganese	950.89	1000	95.1	1.33	90 - 110	P	09/22/2017	16:54	LB90279
	Nickel	468.07	500	93.6	0.53	90 - 110	P	09/22/2017	16:54	LB90279
	Potassium	118220	125000	94.6	1.58	90 - 110	P	09/22/2017	16:54	LB90279
	Selenium	476.5	500	95.3	0.83	90 - 110	P	09/22/2017	16:54	LB90279
	Molybdenum	490.83	500	98.2	0.93	90 - 110	P	09/22/2017	16:54	LB90279

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90279 SDG No.: LB90279

Contract: _____ Lab Code: CHEM Case No.: LB90279 SAS No.: LB90279

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
CCV47	Tin	494.04	500	98.8	1.87	90 - 110	P	09/22/2017	16:54	LB90279
	Silver	467.33	500	93.5	1.66	90 - 110	P	09/22/2017	16:54	LB90279
	Sodium	230986	250000	92.4	1.30	90 - 110	P	09/22/2017	16:54	LB90279
	Thallium	488.12	500	97.6	0.84	90 - 110	P	09/22/2017	16:54	LB90279
	Uranium	497.91	500	99.6	0.77	90 - 110	P	09/22/2017	16:54	LB90279
	Vanadium	475.83	500	95.2	0.90	90 - 110	P	09/22/2017	16:54	LB90279
	Zinc	932.84	1000	93.3	0.99	90 - 110	P	09/22/2017	16:54	LB90279
CCV48	Aluminum	47938.7	50000	95.9	0.81	90 - 110	P	09/22/2017	18:30	LB90279
	Antimony	498.96	500	99.8	1.07	90 - 110	P	09/22/2017	18:30	LB90279
	Arsenic	474.59	500	94.9	0.58	90 - 110	P	09/22/2017	18:30	LB90279
	Barium	2502.01	2500	100.1	0.84	90 - 110	P	09/22/2017	18:30	LB90279
	Beryllium	507.23	500	101.4	0.83	90 - 110	P	09/22/2017	18:30	LB90279
	Cadmium	485.25	500	97.1	0.58	90 - 110	P	09/22/2017	18:30	LB90279
	Calcium	242182	250000	96.9	0.36	90 - 110	P	09/22/2017	18:30	LB90279
	Chromium	489.5	500	97.9	0.97	90 - 110	P	09/22/2017	18:30	LB90279
	Cobalt	474.95	500	95	1.40	90 - 110	P	09/22/2017	18:30	LB90279
	Copper	970.53	1000	97.1	1.40	90 - 110	P	09/22/2017	18:30	LB90279
	Iron	118721	125000	95	0.87	90 - 110	P	09/22/2017	18:30	LB90279
	Lead	500.26	500	100.1	0.76	90 - 110	P	09/22/2017	18:30	LB90279
	Magnesium	235154	250000	94.1	0.76	90 - 110	P	09/22/2017	18:30	LB90279
	Manganese	976.31	1000	97.6	0.95	90 - 110	P	09/22/2017	18:30	LB90279
	Nickel	477.92	500	95.6	1.62	90 - 110	P	09/22/2017	18:30	LB90279
	Potassium	121185	125000	96.9	1.23	90 - 110	P	09/22/2017	18:30	LB90279
	Selenium	486.24	500	97.2	0.47	90 - 110	P	09/22/2017	18:30	LB90279
	Molybdenum	504.74	500	100.9	0.83	90 - 110	P	09/22/2017	18:30	LB90279
	Tin	508.2	500	101.6	1.03	90 - 110	P	09/22/2017	18:30	LB90279
	Silver	478.47	500	95.7	0.68	90 - 110	P	09/22/2017	18:30	LB90279
	Sodium	234448	250000	93.8	1.05	90 - 110	P	09/22/2017	18:30	LB90279
	Thallium	496.17	500	99.2	1.28	90 - 110	P	09/22/2017	18:30	LB90279
	Uranium	509.01	500	101.8	0.52	90 - 110	P	09/22/2017	18:30	LB90279
	Vanadium	488.27	500	97.7	1.15	90 - 110	P	09/22/2017	18:30	LB90279
	Zinc	949.5	1000	95	0.98	90 - 110	P	09/22/2017	18:30	LB90279
CCV49	Aluminum	51460.7	50000	102.9	0.57	90 - 110	P	09/22/2017	19:36	LB90279
	Antimony	539.35	500	107.9	1.53	90 - 110	P	09/22/2017	19:36	LB90279

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90279 SDG No.: LB90279

Contract: _____ Lab Code: CHEM Case No.: LB90279 SAS No.: LB90279

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
CCV49	Arsenic	528.75	500	105.8	1.27	90 - 110	P	09/22/2017	19:36	LB90279
	Barium	2630.26	2500	105.2	1.62	90 - 110	P	09/22/2017	19:36	LB90279
	Beryllium	544.34	500	108.9	0.44	90 - 110	P	09/22/2017	19:36	LB90279
	Cadmium	523.84	500	104.8	1.52	90 - 110	P	09/22/2017	19:36	LB90279
	Calcium	254095	250000	101.6	0.32	90 - 110	P	09/22/2017	19:36	LB90279
	Chromium	567.83	500	113.6	1.08	90 - 110	P	09/22/2017	19:36	LB90279
	Cobalt	530.45	500	106.1	0.37	90 - 110	P	09/22/2017	19:36	LB90279
	Copper	1058.52	1000	105.9	0.50	90 - 110	P	09/22/2017	19:36	LB90279
	Iron	129784	125000	103.8	1.49	90 - 110	P	09/22/2017	19:36	LB90279
	Lead	549.48	500	109.9	1.17	90 - 110	P	09/22/2017	19:36	LB90279
	Magnesium	255798	250000	102.3	0.77	90 - 110	P	09/22/2017	19:36	LB90279
	Manganese	1064.92	1000	106.5	0.44	90 - 110	P	09/22/2017	19:36	LB90279
	Nickel	546.38	500	109.3	0.54	90 - 110	P	09/22/2017	19:36	LB90279
	Potassium	129513	125000	103.6	0.25	90 - 110	P	09/22/2017	19:36	LB90279
	Selenium	525.37	500	105.1	0.63	90 - 110	P	09/22/2017	19:36	LB90279
	Molybdenum	529.45	500	105.9	1.33	90 - 110	P	09/22/2017	19:36	LB90279
	Tin	523.96	500	104.8	0.98	90 - 110	P	09/22/2017	19:36	LB90279
	Silver	492.17	500	98.4	0.68	90 - 110	P	09/22/2017	19:36	LB90279
	Sodium	254325	250000	101.7	0.41	90 - 110	P	09/22/2017	19:36	LB90279
	Thallium	544.83	500	109	1.48	90 - 110	P	09/22/2017	19:36	LB90279
	Uranium	533.29	500	106.7	1.10	90 - 110	P	09/22/2017	19:36	LB90279
	Vanadium	547.75	500	109.6	0.07	90 - 110	P	09/22/2017	19:36	LB90279
	Zinc	1037.49	1000	103.7	0.42	90 - 110	P	09/22/2017	19:36	LB90279
CCV50	Aluminum	47287.1	50000	94.6	0.85	90 - 110	P	09/22/2017	20:07	LB90279
	Antimony	484.31	500	96.9	1.90	90 - 110	P	09/22/2017	20:07	LB90279
	Arsenic	477.28	500	95.5	1.35	90 - 110	P	09/22/2017	20:07	LB90279
	Barium	2416.38	2500	96.7	1.66	90 - 110	P	09/22/2017	20:07	LB90279
	Beryllium	489.35	500	97.9	1.10	90 - 110	P	09/22/2017	20:07	LB90279
	Cadmium	472.62	500	94.5	1.22	90 - 110	P	09/22/2017	20:07	LB90279
	Calcium	235983	250000	94.4	1.67	90 - 110	P	09/22/2017	20:07	LB90279
	Chromium	499.63	500	99.9	0.90	90 - 110	P	09/22/2017	20:07	LB90279
	Cobalt	477.43	500	95.5	0.73	90 - 110	P	09/22/2017	20:07	LB90279
	Copper	962.03	1000	96.2	0.61	90 - 110	P	09/22/2017	20:07	LB90279
	Iron	119115	125000	95.3	0.73	90 - 110	P	09/22/2017	20:07	LB90279

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90279

SDG No.: LB90279

Contract: **Lab Code:** CHEM

Case No.: LB90279

SAS No.: LB90279

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result	True Value	%	%	Acceptance	M	Analysis	Analysis	Run
		ug/L								
CCV50	Lead	498.81	500	99.8	0.40	90 - 110	P	09/22/2017	20:07	LB90279
	Magnesium	232808	250000	93.1	0.61	90 - 110	P	09/22/2017	20:07	LB90279
	Manganese	967.59	1000	96.8	1.38	90 - 110	P	09/22/2017	20:07	LB90279
	Nickel	488.29	500	97.7	0.92	90 - 110	P	09/22/2017	20:07	LB90279
	Potassium	118998	125000	95.2	0.95	90 - 110	P	09/22/2017	20:07	LB90279
	Tin	487.51	500	97.5	1.81	90 - 110	P	09/22/2017	20:07	LB90279
	Selenium	479.18	500	95.8	0.82	90 - 110	P	09/22/2017	20:07	LB90279
	Molybdenum	496.11	500	99.2	0.91	90 - 110	P	09/22/2017	20:07	LB90279
	Silver	457.11	500	91.4	1.53	90 - 110	P	09/22/2017	20:07	LB90279
	Sodium	232754	250000	93.1	1.61	90 - 110	P	09/22/2017	20:07	LB90279
	Thallium	496.12	500	99.2	0.99	90 - 110	P	09/22/2017	20:07	LB90279
	Uranium	495.56	500	99.1	0.57	90 - 110	P	09/22/2017	20:07	LB90279
	Vanadium	487.29	500	97.5	1.13	90 - 110	P	09/22/2017	20:07	LB90279
	Zinc	939.57	1000	94	0.59	90 - 110	P	09/22/2017	20:07	LB90279



Metals
- 2b -
CRDL STANDARD FOR AA & ICP

Client: LB90279 **SDG No.:** LB90279
Contract: _____ **Lab Code:** CHEM **Case No.:** LB90279 **SAS No.:** LB90279
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
CRI	Silver	1.22	1.0	122	70 - 130	P	09/22/2017	14:12	LB90279
	Cadmium	1.04	1.0	104	70 - 130	P	09/22/2017	14:12	LB90279
	Thallium	1	1.0	100	70 - 130	P	09/22/2017	14:12	LB90279
	Lead	1.03	1.0	103	70 - 130	P	09/22/2017	14:12	LB90279
	Aluminum	21.96	20.0	109.8	70 - 130	P	09/22/2017	14:12	LB90279
	Copper	2.03	2.0	101.5	70 - 130	P	09/22/2017	14:12	LB90279
	Beryllium	1.1	1.0	110	70 - 130	P	09/22/2017	14:12	LB90279
	Tin	4.51	5.0	90.2	70 - 130	P	09/22/2017	14:12	LB90279
	Antimony	1.96	2.0	98	70 - 130	P	09/22/2017	14:12	LB90279
	Barium	8.98	10.0	89.8	70 - 130	P	09/22/2017	14:12	LB90279
	Uranium	0.87	1.0	87	70 - 130	P	09/22/2017	14:12	LB90279
	Sodium	478.19	500	95.6	70 - 130	P	09/22/2017	14:12	LB90279
	Magnesium	439.3	500	87.9	70 - 130	P	09/22/2017	14:12	LB90279
	Potassium	490.26	500	98.1	70 - 130	P	09/22/2017	14:12	LB90279
	Calcium	432.27	500	86.5	70 - 130	P	09/22/2017	14:12	LB90279
	Vanadium	4.58	5.0	91.6	70 - 130	P	09/22/2017	14:12	LB90279
	Chromium	1.95	2.0	97.5	70 - 130	P	09/22/2017	14:12	LB90279
	Manganese	0.87	1.0	87	50 - 150	P	09/22/2017	14:12	LB90279
	Iron	43.47	50.0	86.9	70 - 130	P	09/22/2017	14:12	LB90279
	Cobalt	0.91	1.0	91	50 - 150	P	09/22/2017	14:12	LB90279
	Nickel	0.84	1.0	84	70 - 130	P	09/22/2017	14:12	LB90279
	Zinc	1.78	2.0	89	50 - 150	P	09/22/2017	14:12	LB90279
	Arsenic	0.88	1.0	88	70 - 130	P	09/22/2017	14:12	LB90279
	Selenium	4.37	5.0	87.4	70 - 130	P	09/22/2017	14:12	LB90279
	Molybdenum	4.33	5.0	86.6	70 - 130	P	09/22/2017	14:12	LB90279



Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90279 SDG No.: LB90279
Contract: Lab Code: CHEM Case No.: LB90279 SAS No.: LB90279

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	2.58	+/-20.0	J	10.0	20.0	P	09/22/2017	13:48	LB90279
	Antimony	0.16	+/-2.0	J	1.0	2.0	P	09/22/2017	13:48	LB90279
	Arsenic	0.02	+/-1.0	U	0.5	1.0	P	09/22/2017	13:48	LB90279
	Barium	0.143	+/-10.0	U	5.0	10.0	P	09/22/2017	13:48	LB90279
	Beryllium	0.14	+/-1.0	J	0.5	1.0	P	09/22/2017	13:48	LB90279
	Cadmium	0.08	+/-1.0	J	0.5	1.0	P	09/22/2017	13:48	LB90279
	Calcium	3.69	+/-500	U	250	500	P	09/22/2017	13:48	LB90279
	Chromium	0.056	+/-2.0	U	1.0	2.0	P	09/22/2017	13:48	LB90279
	Cobalt	0.03	+/-1.0	U	0.5	1.0	P	09/22/2017	13:48	LB90279
	Copper	0.054	+/-2.0	U	1.0	2.0	P	09/22/2017	13:48	LB90279
	Iron	1.65	+/-50.0	U	25.0	50.0	P	09/22/2017	13:48	LB90279
	Lead	0.08	+/-1.0	J	0.5	1.0	P	09/22/2017	13:48	LB90279
	Magnesium	2.49	+/-500	U	250	500	P	09/22/2017	13:48	LB90279
	Manganese	0.03	+/-1.0	U	0.5	1.0	P	09/22/2017	13:48	LB90279
	Nickel	0.064	+/-1.0	U	0.5	1.0	P	09/22/2017	13:48	LB90279
	Potassium	27.15	+/-500	J	250	500	P	09/22/2017	13:48	LB90279
	Tin	0.16	+/-5.0	J	2.5	5.0	P	09/22/2017	13:48	LB90279
	Selenium	1.48	+/-5.0	U	2.5	5.0	P	09/22/2017	13:48	LB90279
	Molybdenum	0.13	+/-5.0	J	2.5	5.0	P	09/22/2017	13:48	LB90279
	Silver	0.02	+/-1.0	U	0.5	1.0	P	09/22/2017	13:48	LB90279
	Sodium	52.2	+/-500	J	250	500	P	09/22/2017	13:48	LB90279
	Thallium	0.06	+/-1.0	J	0.5	1.0	P	09/22/2017	13:48	LB90279
	Uranium	0.01	+/-1.0	J	0.5	1.0	P	09/22/2017	13:48	LB90279
	Vanadium	0.043	+/-5.0	U	2.5	5.0	P	09/22/2017	13:48	LB90279
	Zinc	0.181	+/-2.0	U	1.0	2.0	P	09/22/2017	13:48	LB90279

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90279 SDG No.: LB90279
 Contract: _____ Lab Code: CHEM Case No.: LB90279 SAS No.: LB90279

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB45	Aluminum	1.31	+/-20.0	U	10.0	20.0	P	09/22/2017	14:08	LB90279
	Antimony	0.28	+/-2.0	J	1.0	2.0	P	09/22/2017	14:08	LB90279
	Arsenic	0.07	+/-1.0	U	0.5	1.0	P	09/22/2017	14:08	LB90279
	Barium	0.143	+/-10.0	U	5.0	10.0	P	09/22/2017	14:08	LB90279
	Beryllium	0.26	+/-1.0	J	0.5	1.0	P	09/22/2017	14:08	LB90279
	Cadmium	0.08	+/-1.0	J	0.5	1.0	P	09/22/2017	14:08	LB90279
	Calcium	3.69	+/-500	U	250	500	P	09/22/2017	14:08	LB90279
	Chromium	0.056	+/-2.0	U	1.0	2.0	P	09/22/2017	14:08	LB90279
	Cobalt	0.03	+/-1.0	U	0.5	1.0	P	09/22/2017	14:08	LB90279
	Copper	0.04	+/-2.0	U	1.0	2.0	P	09/22/2017	14:08	LB90279
	Iron	4.48	+/-50.0	J	25.0	50.0	P	09/22/2017	14:08	LB90279
	Lead	0.09	+/-1.0	J	0.5	1.0	P	09/22/2017	14:08	LB90279
	Magnesium	1.6	+/-500	U	250	500	P	09/22/2017	14:08	LB90279
	Manganese	0.01	+/-1.0	U	0.5	1.0	P	09/22/2017	14:08	LB90279
	Nickel	0.064	+/-1.0	U	0.5	1.0	P	09/22/2017	14:08	LB90279
	Potassium	34.78	+/-500	J	250	500	P	09/22/2017	14:08	LB90279
	Tin	0.13	+/-5.0	J	2.5	5.0	P	09/22/2017	14:08	LB90279
	Molybdenum	0.13	+/-5.0	J	2.5	5.0	P	09/22/2017	14:08	LB90279
	Selenium	0.05	+/-5.0	U	2.5	5.0	P	09/22/2017	14:08	LB90279
	Silver	0.04	+/-1.0	J	0.5	1.0	P	09/22/2017	14:08	LB90279
	Sodium	62.95	+/-500	J	250	500	P	09/22/2017	14:08	LB90279
	Thallium	0.12	+/-1.0	J	0.5	1.0	P	09/22/2017	14:08	LB90279
	Uranium	0.003	+/-1.0	U	0.5	1.0	P	09/22/2017	14:08	LB90279
	Vanadium	0.043	+/-5.0	U	2.5	5.0	P	09/22/2017	14:08	LB90279
	Zinc	0.04	+/-2.0	U	1.0	2.0	P	09/22/2017	14:08	LB90279
CCB46	Aluminum	2.74	+/-20.0	J	10.0	20.0	P	09/22/2017	15:33	LB90279
	Antimony	0.27	+/-2.0	J	1.0	2.0	P	09/22/2017	15:33	LB90279
	Arsenic	0.03	+/-1.0	U	0.5	1.0	P	09/22/2017	15:33	LB90279
	Barium	0.12	+/-10.0	U	5.0	10.0	P	09/22/2017	15:33	LB90279
	Beryllium	0.14	+/-1.0	J	0.5	1.0	P	09/22/2017	15:33	LB90279
	Cadmium	0.1	+/-1.0	J	0.5	1.0	P	09/22/2017	15:33	LB90279
	Calcium	3.69	+/-500	U	250	500	P	09/22/2017	15:33	LB90279
	Chromium	0.01	+/-2.0	U	1.0	2.0	P	09/22/2017	15:33	LB90279
	Cobalt	0.01	+/-1.0	U	0.5	1.0	P	09/22/2017	15:33	LB90279
	Copper	0.08	+/-2.0	J	1.0	2.0	P	09/22/2017	15:33	LB90279
	Iron	5.58	+/-50.0	J	25.0	50.0	P	09/22/2017	15:33	LB90279
	Lead	0.22	+/-1.0	J	0.5	1.0	P	09/22/2017	15:33	LB90279
	Magnesium	2.54	+/-500	J	250	500	P	09/22/2017	15:33	LB90279
	Manganese	0.01	+/-1.0	U	0.5	1.0	P	09/22/2017	15:33	LB90279
	Nickel	0.064	+/-1.0	U	0.5	1.0	P	09/22/2017	15:33	LB90279

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90279 SDG No.: LB90279
 Contract: _____ Lab Code: CHEM Case No.: LB90279 SAS No.: LB90279

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB46	Potassium	5.38	+/-500	U	250	500	P	09/22/2017	15:33	LB90279
	Selenium	1.48	+/-5.0	U	2.5	5.0	P	09/22/2017	15:33	LB90279
	Tin	0.11	+/-5.0	J	2.5	5.0	P	09/22/2017	15:33	LB90279
	Molybdenum	0.09	+/-5.0	J	2.5	5.0	P	09/22/2017	15:33	LB90279
	Silver	0.07	+/-1.0	J	0.5	1.0	P	09/22/2017	15:33	LB90279
	Sodium	2.83	+/-500	U	250	500	P	09/22/2017	15:33	LB90279
	Thallium	0.09	+/-1.0	J	0.5	1.0	P	09/22/2017	15:33	LB90279
	Uranium	0.03	+/-1.0	J	0.5	1.0	P	09/22/2017	15:33	LB90279
	Vanadium	0.01	+/-5.0	U	2.5	5.0	P	09/22/2017	15:33	LB90279
	Zinc	0.3	+/-2.0	J	1.0	2.0	P	09/22/2017	15:33	LB90279
CCB47	Aluminum	3.99	+/-20.0	J	10.0	20.0	P	09/22/2017	16:57	LB90279
	Antimony	0.21	+/-2.0	J	1.0	2.0	P	09/22/2017	16:57	LB90279
	Arsenic	0.01	+/-1.0	U	0.5	1.0	P	09/22/2017	16:57	LB90279
	Barium	0.143	+/-10.0	U	5.0	10.0	P	09/22/2017	16:57	LB90279
	Beryllium	0.02	+/-1.0	U	0.5	1.0	P	09/22/2017	16:57	LB90279
	Cadmium	0.02	+/-1.0	U	0.5	1.0	P	09/22/2017	16:57	LB90279
	Calcium	3.69	+/-500	U	250	500	P	09/22/2017	16:57	LB90279
	Chromium	0.07	+/-2.0	J	1.0	2.0	P	09/22/2017	16:57	LB90279
	Cobalt	0.03	+/-1.0	U	0.5	1.0	P	09/22/2017	16:57	LB90279
	Copper	0.01	+/-2.0	U	1.0	2.0	P	09/22/2017	16:57	LB90279
	Iron	2.11	+/-50.0	U	25.0	50.0	P	09/22/2017	16:57	LB90279
	Lead	0.11	+/-1.0	J	0.5	1.0	P	09/22/2017	16:57	LB90279
	Magnesium	2.49	+/-500	U	250	500	P	09/22/2017	16:57	LB90279
	Manganese	0.072	+/-1.0	U	0.5	1.0	P	09/22/2017	16:57	LB90279
	Nickel	0.064	+/-1.0	U	0.5	1.0	P	09/22/2017	16:57	LB90279
	Potassium	6.68	+/-500	U	250	500	P	09/22/2017	16:57	LB90279
	Molybdenum	0.05	+/-5.0	J	2.5	5.0	P	09/22/2017	16:57	LB90279
	Selenium	1.48	+/-5.0	U	2.5	5.0	P	09/22/2017	16:57	LB90279
	Tin	0.08	+/-5.0	J	2.5	5.0	P	09/22/2017	16:57	LB90279
	Silver	0.02	+/-1.0	U	0.5	1.0	P	09/22/2017	16:57	LB90279
	Sodium	2.83	+/-500	U	250	500	P	09/22/2017	16:57	LB90279
	Thallium	0.06	+/-1.0	J	0.5	1.0	P	09/22/2017	16:57	LB90279
	Uranium	0.003	+/-1.0	U	0.5	1.0	P	09/22/2017	16:57	LB90279
	Vanadium	0.043	+/-5.0	U	2.5	5.0	P	09/22/2017	16:57	LB90279
	Zinc	0.43	+/-2.0	J	1.0	2.0	P	09/22/2017	16:57	LB90279
CCB48	Aluminum	1.73	+/-20.0	J	10.0	20.0	P	09/22/2017	18:43	LB90279
	Antimony	0.03	+/-2.0	U	1.0	2.0	P	09/22/2017	18:43	LB90279
	Arsenic	0.076	+/-1.0	U	0.5	1.0	P	09/22/2017	18:43	LB90279
	Barium	0.01	+/-10.0	U	5.0	10.0	P	09/22/2017	18:43	LB90279
	Beryllium	0.057	+/-1.0	U	0.5	1.0	P	09/22/2017	18:43	LB90279

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90279 SDG No.: LB90279
 Contract: _____ Lab Code: CHEM Case No.: LB90279 SAS No.: LB90279

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB48	Cadmium	0.059	+/-1.0	U	0.5	1.0	P	09/22/2017	18:43	LB90279
	Calcium	3.69	+/-500	U	250	500	P	09/22/2017	18:43	LB90279
	Chromium	0.056	+/-2.0	U	1.0	2.0	P	09/22/2017	18:43	LB90279
	Cobalt	0.03	+/-1.0	U	0.5	1.0	P	09/22/2017	18:43	LB90279
	Copper	0.054	+/-2.0	U	1.0	2.0	P	09/22/2017	18:43	LB90279
	Iron	2.88	+/-50.0	U	25.0	50.0	P	09/22/2017	18:43	LB90279
	Lead	0.09	+/-1.0	J	0.5	1.0	P	09/22/2017	18:43	LB90279
	Magnesium	2.49	+/-500	U	250	500	P	09/22/2017	18:43	LB90279
	Manganese	0.04	+/-1.0	U	0.5	1.0	P	09/22/2017	18:43	LB90279
	Nickel	0.064	+/-1.0	U	0.5	1.0	P	09/22/2017	18:43	LB90279
	Potassium	4.87	+/-500	U	250	500	P	09/22/2017	18:43	LB90279
	Selenium	1.48	+/-5.0	U	2.5	5.0	P	09/22/2017	18:43	LB90279
	Molybdenum	0.042	+/-5.0	U	2.5	5.0	P	09/22/2017	18:43	LB90279
	Tin	0.028	+/-5.0	U	2.5	5.0	P	09/22/2017	18:43	LB90279
	Silver	0.03	+/-1.0	U	0.5	1.0	P	09/22/2017	18:43	LB90279
	Sodium	2.83	+/-500	U	250	500	P	09/22/2017	18:43	LB90279
	Thallium	0.033	+/-1.0	U	0.5	1.0	P	09/22/2017	18:43	LB90279
	Uranium	0.003	+/-1.0	U	0.5	1.0	P	09/22/2017	18:43	LB90279
	Vanadium	0.043	+/-5.0	U	2.5	5.0	P	09/22/2017	18:43	LB90279
	Zinc	0.01	+/-2.0	U	1.0	2.0	P	09/22/2017	18:43	LB90279
CCB49	Aluminum	1.15	+/-20.0	U	10.0	20.0	P	09/22/2017	19:39	LB90279
	Antimony	0.33	+/-2.0	J	1.0	2.0	P	09/22/2017	19:39	LB90279
	Arsenic	0.076	+/-1.0	U	0.5	1.0	P	09/22/2017	19:39	LB90279
	Barium	0.16	+/-10.0	J	5.0	10.0	P	09/22/2017	19:39	LB90279
	Beryllium	0.06	+/-1.0	J	0.5	1.0	P	09/22/2017	19:39	LB90279
	Cadmium	0.06	+/-1.0	J	0.5	1.0	P	09/22/2017	19:39	LB90279
	Calcium	14.28	+/-500	J	250	500	P	09/22/2017	19:39	LB90279
	Chromium	0.06	+/-2.0	J	1.0	2.0	P	09/22/2017	19:39	LB90279
	Cobalt	0.02	+/-1.0	U	0.5	1.0	P	09/22/2017	19:39	LB90279
	Copper	0.05	+/-2.0	U	1.0	2.0	P	09/22/2017	19:39	LB90279
	Iron	2.2	+/-50.0	U	25.0	50.0	P	09/22/2017	19:39	LB90279
	Lead	0.16	+/-1.0	J	0.5	1.0	P	09/22/2017	19:39	LB90279
	Magnesium	2.4	+/-500	U	250	500	P	09/22/2017	19:39	LB90279
	Manganese	0.05	+/-1.0	U	0.5	1.0	P	09/22/2017	19:39	LB90279
	Nickel	0.064	+/-1.0	U	0.5	1.0	P	09/22/2017	19:39	LB90279
	Potassium	15.37	+/-500	J	250	500	P	09/22/2017	19:39	LB90279
	Molybdenum	0.09	+/-5.0	J	2.5	5.0	P	09/22/2017	19:39	LB90279
	Tin	0.18	+/-5.0	J	2.5	5.0	P	09/22/2017	19:39	LB90279
	Selenium	1.48	+/-5.0	U	2.5	5.0	P	09/22/2017	19:39	LB90279
	Silver	0.07	+/-1.0	J	0.5	1.0	P	09/22/2017	19:39	LB90279

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90279 SDG No.: LB90279
 Contract: _____ Lab Code: CHEM Case No.: LB90279 SAS No.: LB90279

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB49	Sodium	33.98	+/-500	J	250	500	P	09/22/2017	19:39	LB90279
	Thallium	0.1	+/-1.0	J	0.5	1.0	P	09/22/2017	19:39	LB90279
	Uranium	0.03	+/-1.0	J	0.5	1.0	P	09/22/2017	19:39	LB90279
	Vanadium	0.043	+/-5.0	U	2.5	5.0	P	09/22/2017	19:39	LB90279
	Zinc	0.29	+/-2.0	J	1.0	2.0	P	09/22/2017	19:39	LB90279
CCB50	Aluminum	1.85	+/-20.0	J	10.0	20.0	P	09/22/2017	20:10	LB90279
	Antimony	0.2	+/-2.0	J	1.0	2.0	P	09/22/2017	20:10	LB90279
	Arsenic	0.076	+/-1.0	U	0.5	1.0	P	09/22/2017	20:10	LB90279
	Barium	0.143	+/-10.0	U	5.0	10.0	P	09/22/2017	20:10	LB90279
	Beryllium	0.03	+/-1.0	U	0.5	1.0	P	09/22/2017	20:10	LB90279
	Cadmium	0.03	+/-1.0	U	0.5	1.0	P	09/22/2017	20:10	LB90279
	Calcium	3.69	+/-500	U	250	500	P	09/22/2017	20:10	LB90279
	Chromium	0.056	+/-2.0	U	1.0	2.0	P	09/22/2017	20:10	LB90279
	Cobalt	0.03	+/-1.0	U	0.5	1.0	P	09/22/2017	20:10	LB90279
	Copper	0.44	+/-2.0	J	1.0	2.0	P	09/22/2017	20:10	LB90279
	Iron	1.61	+/-50.0	U	25.0	50.0	P	09/22/2017	20:10	LB90279
	Lead	0.09	+/-1.0	J	0.5	1.0	P	09/22/2017	20:10	LB90279
	Magnesium	2.49	+/-500	U	250	500	P	09/22/2017	20:10	LB90279
	Manganese	0.072	+/-1.0	U	0.5	1.0	P	09/22/2017	20:10	LB90279
	Nickel	0.064	+/-1.0	U	0.5	1.0	P	09/22/2017	20:10	LB90279
	Potassium	8.88	+/-500	U	250	500	P	09/22/2017	20:10	LB90279
	Selenium	1.48	+/-5.0	U	2.5	5.0	P	09/22/2017	20:10	LB90279
	Molybdenum	0.05	+/-5.0	J	2.5	5.0	P	09/22/2017	20:10	LB90279
	Tin	0.07	+/-5.0	J	2.5	5.0	P	09/22/2017	20:10	LB90279
	Silver	0.02	+/-1.0	U	0.5	1.0	P	09/22/2017	20:10	LB90279
	Sodium	18.59	+/-500	J	250	500	P	09/22/2017	20:10	LB90279
	Thallium	0.04	+/-1.0	J	0.5	1.0	P	09/22/2017	20:10	LB90279
	Vanadium	0.043	+/-5.0	U	2.5	5.0	P	09/22/2017	20:10	LB90279
	Uranium	0.003	+/-1.0	U	0.5	1.0	P	09/22/2017	20:10	LB90279
	Zinc	0.15	+/-2.0	U	1.0	2.0	P	09/22/2017	20:10	LB90279



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90279

SDG No.: LB90279

Contract: Lab Code: CHEM

Case No.: LB90279

SAS No.: LB90279

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: LB90279

SDG No.: LB90279

Instrument: P8

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB102482BL		WATER		Batch Number:		PB102482		Prep Date:	09/20/2017	
	Aluminum	1.3	<20	J	10.0	20	P	09/22/2017	19:51	LB90279
	Antimony	0.044	<2	U	1.0	2	P	09/22/2017	19:51	LB90279
	Arsenic	0.05	<1	U	0.5	1	P	09/22/2017	19:51	LB90279
	Barium	0.3	<10	U	5.0	10	P	09/22/2017	19:51	LB90279
	Beryllium	0.096	<1	U	0.5	1	P	09/22/2017	19:51	LB90279
	Cadmium	0.02	<1	U	0.5	1	P	09/22/2017	19:51	LB90279
	Calcium	4.81	<500	U	250	500	P	09/22/2017	19:51	LB90279
	Chromium	0.03	<2	U	1.0	2	P	09/22/2017	19:51	LB90279
	Cobalt	0.06	<1	U	0.5	1	P	09/22/2017	19:51	LB90279
	Copper	0.127	<2	U	1.0	2	P	09/22/2017	19:51	LB90279
	Iron	3.02	<50	U	100	50	P	09/22/2017	19:51	LB90279
	Lead	0.06	<1	J	0.5	1	P	09/22/2017	19:51	LB90279
	Magnesium	5.77	<500	U	250	500	P	09/22/2017	19:51	LB90279
	Manganese	0.02	<1	U	0.5	1	P	09/22/2017	19:51	LB90279
	Nickel	0.043	<1	U	0.5	1	P	09/22/2017	19:51	LB90279
	Potassium	8.08	<500	U	250	500	P	09/22/2017	19:51	LB90279
	Tin	0.07	<5	U	2.5	5	P	09/22/2017	19:51	LB90279
	Molybdenum	0.059	<5	U	3.9	5	P	09/22/2017	19:51	LB90279
	Selenium	2.68	<5	U	2.5	5	P	09/22/2017	19:51	LB90279
	Silver	0.02	<1	U	0.5	1	P	09/22/2017	19:51	LB90279
	Sodium	22.1	<500	J	250	500	P	09/22/2017	19:51	LB90279
	Thallium	0.045	<1	U	0.5	1	P	09/22/2017	19:51	LB90279
	Uranium	0.056	<1	U	0.5	1	P	09/22/2017	19:51	LB90279
	Vanadium	0.041	<5	U	2.5	5	P	09/22/2017	19:51	LB90279
	Zinc	0.164	<2	U	1.0	2	P	09/22/2017	19:51	LB90279
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB102520BL		SOLID		Batch Number:		pb102520		Prep Date:	09/21/2017	
	Aluminum	0.725	<10	U	5.0	10	P	09/22/2017	14:15	LB90279
	Antimony	0.03	<1	J	0.5	1	P	09/22/2017	14:15	LB90279
	Arsenic	0.01	<0.5	U	0.25	0.5	P	09/22/2017	14:15	LB90279
	Barium	0.06	<5	U	2.5	5	P	09/22/2017	14:15	LB90279
	Beryllium	0.07	<0.5	J	0.25	0.5	P	09/22/2017	14:15	LB90279
	Cadmium	0.035	<0.5	J	0.25	0.5	P	09/22/2017	14:15	LB90279
	Calcium	1.29	<250	U	125	250	P	09/22/2017	14:15	LB90279
	Chromium	0.015	<1	U	0.5	1	P	09/22/2017	14:15	LB90279
	Cobalt	0.005	<0.5	U	0.25	0.5	P	09/22/2017	14:15	LB90279
	Copper	0.015	<1	U	0.5	1	P	09/22/2017	14:15	LB90279
	Iron	0.595	<25	U	12.5	25	P	09/22/2017	14:15	LB90279
	Lead	0.02	<0.5	U	0.25	0.5	P	09/22/2017	14:15	LB90279
	Magnesium	0.365	<250	U	125	250	P	09/22/2017	14:15	LB90279



Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: LB90279

SDG No.: LB90279

Instrument: P8

	Manganese	0.036	<0.5	U	0.25	0.5	P	09/22/2017	14:15	LB90279
	Nickel	0.041	<0.5	U	0.25	0.5	P	09/22/2017	14:15	LB90279
	Potassium	12.4	<250	J	125	250	P	09/22/2017	14:15	LB90279
	Tin	0.015	<2.5	J	1.25	2.5	P	09/22/2017	14:15	LB90279
	Selenium	0.405	<2.5	U	1.25	2.5	P	09/22/2017	14:15	LB90279
	Molybdenum	0.01	<2.5	U	1.25	2.5	P	09/22/2017	14:15	LB90279
	Silver	0.015	<0.5	U	0.25	0.5	P	09/22/2017	14:15	LB90279
	Sodium	12.3	<250	J	125	250	P	09/22/2017	14:15	LB90279
	Thallium	0.015	<0.5	J	0.25	0.5	P	09/22/2017	14:15	LB90279
	Uranium	0.013	<0.5	U	0.25	0.5	P	09/22/2017	14:15	LB90279
	Vanadium	0.013	<2.5	U	1.25	2.5	P	09/22/2017	14:15	LB90279
	Zinc	0.095	<1	J	0.5	1	P	09/22/2017	14:15	LB90279

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB102521BL	SOLID			Batch Number:	PB102521			Prep Date:	09/21/2017	
	Aluminum	0.02	<10	U	5.0	10	P	09/22/2017	14:25	LB90279
	Antimony	0.01	<1	U	0.5	1	P	09/22/2017	14:25	LB90279
	Arsenic	0.045	<0.5	U	0.25	0.5	P	09/22/2017	14:25	LB90279
	Barium	0.06	<5	U	2.5	5	P	09/22/2017	14:25	LB90279
	Beryllium	0.04	<0.5	J	0.25	0.5	P	09/22/2017	14:25	LB90279
	Cadmium	0.015	<0.5	J	0.25	0.5	P	09/22/2017	14:25	LB90279
	Calcium	1.29	<250	U	125	250	P	09/22/2017	14:25	LB90279
	Chromium	0.005	<1	U	0.5	1	P	09/22/2017	14:25	LB90279
	Cobalt	0.023	<0.5	U	0.25	0.5	P	09/22/2017	14:25	LB90279
	Copper	0.025	<1	U	0.5	1	P	09/22/2017	14:25	LB90279
	Iron	0.14	<25	U	12.5	25	P	09/22/2017	14:25	LB90279
	Lead	0.01	<0.5	U	0.25	0.5	P	09/22/2017	14:25	LB90279
	Magnesium	1.66	<250	U	125	250	P	09/22/2017	14:25	LB90279
	Manganese	0.025	<0.5	U	0.25	0.5	P	09/22/2017	14:25	LB90279
	Nickel	0.041	<0.5	U	0.25	0.5	P	09/22/2017	14:25	LB90279
	Potassium	9.82	<250	J	125	250	P	09/22/2017	14:25	LB90279
	Tin	0.001	<2.5	U	1.25	2.5	P	09/22/2017	14:25	LB90279
	Selenium	0.405	<2.5	U	1.25	2.5	P	09/22/2017	14:25	LB90279
	Molybdenum	0.014	<2.5	U	1.25	2.5	P	09/22/2017	14:25	LB90279
	Silver	0.005	<0.5	U	0.25	0.5	P	09/22/2017	14:25	LB90279
	Sodium	3.63	<250	J	125	250	P	09/22/2017	14:25	LB90279
	Thallium	0.01	<0.5	U	0.25	0.5	P	09/22/2017	14:25	LB90279
	Uranium	0.013	<0.5	U	0.25	0.5	P	09/22/2017	14:25	LB90279
	Vanadium	0.013	<2.5	U	1.25	2.5	P	09/22/2017	14:25	LB90279
	Zinc	0.065	<1	U	0.5	1	P	09/22/2017	14:25	LB90279

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB90279 **level:** low **sdg no.:** LB90279
contract: _____ **lab code:** CHEM **case no.:** LB90279 **sas no.:** LB90279
matrix: WATER **sample id:** I5259-01DL **client id:** 20170603-COMP-DMSDDL
Percent Solids for Sample: 0 **Spiked ID:** I5259-01MSDDL **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	10000	D	371	JD	10000	96		P
Antimony	ug/L	75 - 125	537	D	1.4	JD	500	107		P
Arsenic	ug/L	75 - 125	527	D	10	JD	500	103		P
Barium	ug/L	75 - 125	2610	D	26	JD	2500	103		P
Beryllium	ug/L	75 - 125	554	D	20.0	UD	500	107		P
Cadmium	ug/L	75 - 125	540	D	1.4	JD	500	108		P
Calcium	ug/L	75 - 125	296000	D	240000	D	50000	113		P
Chromium	ug/L	75 - 125	535	D	1.2	JD	500	107		P
Cobalt	ug/L	75 - 125	519	D	20.0	UD	500	100		P
Copper	ug/L	75 - 125	1030	D	3.6	JD	1000	102		P
Iron	ug/L	75 - 125	23900	D	132	JD	25000	95		P
Lead	ug/L	75 - 125	519	D	2.2	JD	500	103		P
Magnesium	ug/L	75 - 125	796000	D	750000	D	50000	92		P
Manganese	ug/L	75 - 125	1080	D	49.8	D	1000	103		P
Nickel	ug/L	75 - 125	532	D	20.0	UD	500	102		P
Potassium	ug/L	75 - 125	252000	D	227000	D	25000	97		P
Molybdenum	ug/L	75 - 125	514	D	9.4	JD	500	101		P
Tin	ug/L	75 - 125	504	D	1.4	JD	500	101		P
Selenium	ug/L	75 - 125	534	D	100	UD	500	87		P
Silver	ug/L	75 - 125	546	D	7	JD	500	108		P
Sodium	ug/L	75 - 125	6.1e+006	D	6.06e+006	D	50000	84		P
Thallium	ug/L	75 - 125	541	D	20.0	UD	500	104		P
Uranium	ug/L	75 - 125	500	D	3.4	JD	500	99		P
Vanadium	ug/L	75 - 125	542	D	17.2	JD	500	105		P
Zinc	ug/L	75 - 125	1020	D	40.0	UD	1000	98		P



metals
- 5a -
MATRIX SPIKE SUMMARY

client: LB90279 level: low sdg no.: LB90279
contract: _____ lab code: CHEM case no.: LB90279 sas no.: LB90279
matrix: WATER sample id: I5259-01DL client id: 20170603-COMP-DMSDL
Percent Solids for Sample: 0 Spiked ID: I5259-01MSDL Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	10000	D	371	JD	10000	97		P
Antimony	ug/L	75 - 125	590	D	1.4	JD	500	118		P
Arsenic	ug/L	75 - 125	543	D	10	JD	500	107		P
Barium	ug/L	75 - 125	2860	D	26	JD	2500	113		P
Beryllium	ug/L	75 - 125	609	D	20.0	UD	500	118		P
Cadmium	ug/L	75 - 125	598	D	1.4	JD	500	119		P
Calcium	ug/L	75 - 125	322000	D	240000	D	50000	164		P
Chromium	ug/L	75 - 125	540	D	1.2	JD	500	108		P
Cobalt	ug/L	75 - 125	527	D	20.0	UD	500	101		P
Copper	ug/L	75 - 125	1040	D	3.6	JD	1000	103		P
Iron	ug/L	75 - 125	25100	D	132	JD	25000	100		P
Lead	ug/L	75 - 125	565	D	2.2	JD	500	113		P
Magnesium	ug/L	75 - 125	797000	D	750000	D	50000	93		P
Manganese	ug/L	75 - 125	1080	D	49.8	D	1000	103		P
Nickel	ug/L	75 - 125	537	D	20.0	UD	500	103		P
Potassium	ug/L	75 - 125	251000	D	227000	D	25000	94		P
Molybdenum	ug/L	75 - 125	564	D	9.4	JD	500	111		P
Tin	ug/L	75 - 125	570	D	1.4	JD	500	114		P
Selenium	ug/L	75 - 125	599	D	100	UD	500	100		P
Silver	ug/L	75 - 125	602	D	7	JD	500	119		P
Sodium	ug/L	75 - 125	6.15e+006	D	6.06e+006	D	50000	174		P
Thallium	ug/L	75 - 125	586	D	20.0	UD	500	113		P
Uranium	ug/L	75 - 125	541	D	3.4	JD	500	108		P
Vanadium	ug/L	75 - 125	546	D	17.2	JD	500	106		P
Zinc	ug/L	75 - 125	1010	D	40.0	UD	1000	97		P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: LB90279 **level:** low **sdg no.:** LB90279
contract: _____ **lab code:** CHEM **case no.:** LB90279 **sas no.:** LB90279
matrix: Solid **sample id:** MET200S **client id:** MET200S
Percent Solids for Sample: 96.2 **Spiked ID:** I5346-12 **Percent Solids for Spike Sample:** _____

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	1360				3800	35.8		P
Antimony	mg/Kg	75 - 125	1680				190	885.7		P
Arsenic	mg/Kg	75 - 125	0	U			190	0		P
Barium	mg/Kg	75 - 125	329				950	34.7		P
Beryllium	mg/Kg	75 - 125	0.945				190	0.498181		P
Cadmium	mg/Kg	75 - 125	231				190	121.8		P
Calcium	mg/Kg	75 - 125	112000				19000	590.4		P
Chromium	mg/Kg	75 - 125	189				190	99.6		P
Cobalt	mg/Kg	75 - 125	4.9				190	2.6		P
Copper	mg/Kg	75 - 125	57.7				380	15.2		P
Iron	mg/Kg	75 - 125	768				9500	8.1		P
Lead	mg/Kg	75 - 125	34.2				190	18		P
Magnesium	mg/Kg	75 - 125	7270				19000	38.3		P
Manganese	mg/Kg	75 - 125	99.8				380	26.3		P
Nickel	mg/Kg	75 - 125	84.8				190	44.7		P
Potassium	mg/Kg	75 - 125	45200				9500	476.6		P
Molybdenum	mg/Kg	75 - 125	21				190	11.1		P
Tin	mg/Kg	75 - 125	4220	OR			190	2224.68		P
Selenium	mg/Kg	75 - 125	0	U			190	0		P
Silver	mg/Kg	75 - 125	433				190	228.3		P
Sodium	mg/Kg	75 - 125	69700				19000	367.4		P
Thallium	mg/Kg	75 - 125	1.14				190	0.600981		P
Uranium	mg/Kg	75 - 125	0.14	J			190	0.0738046		P
Vanadium	mg/Kg	75 - 125	3.26				190	1.7		P
Zinc	mg/Kg	75 - 125	164				380	43.2		P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: LB90279 **level:** low **sdg no.:** LB90279
contract: _____ **lab code:** CHEM **case no.:** LB90279 **sas no.:** LB90279
matrix: Solid **sample id:** MET200SDL **client id:** MET200S
Percent Solids for Sample: 96.2 **Spiked ID:** I5346-12DL **Percent Solids for Spike Sample:** _____

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	4460	D			3800	117.6		P
Antimony	mg/Kg	75 - 125	15.1	JD			190	8		P
Arsenic	mg/Kg	75 - 125	15.2	D			190	8		P
Barium	mg/Kg	75 - 125	228	D			950	24		P
Beryllium	mg/Kg	75 - 125	3.57	JD			190	1.9		P
Cadmium	mg/Kg	75 - 125	4.93	JD			190	2.6		P
Calcium	mg/Kg	75 - 125	27100	D			19000	142.9		P
Chromium	mg/Kg	75 - 125	26.2	D			190	13.8		P
Cobalt	mg/Kg	75 - 125	40.5	D			190	21.4		P
Copper	mg/Kg	75 - 125	59.9	D			380	15.8		P
Iron	mg/Kg	75 - 125	15100	D			9500	159.2		P
Lead	mg/Kg	75 - 125	428	D			190	225.6		P
Magnesium	mg/Kg	75 - 125	9970	D			19000	52.6		P
Manganese	mg/Kg	75 - 125	502	D			380	132.3		P
Nickel	mg/Kg	75 - 125	51	D			190	26.9		P
Potassium	mg/Kg	75 - 125	424	JD			9500	4.5		P
Molybdenum	mg/Kg	75 - 125	5.24	JD			190	2.8		P
Tin	mg/Kg	75 - 125	5.24	JD			190	2.8		P
Selenium	mg/Kg	75 - 125	5.61	UD			190	3		P
Silver	mg/Kg	75 - 125	3.26	JD			190	1.7		P
Sodium	mg/Kg	75 - 125	0	UD			19000	0		P
Thallium	mg/Kg	75 - 125	3.57	JD			190	1.9		P
Uranium	mg/Kg	75 - 125	1.59	JD			190	0.83821		P
Vanadium	mg/Kg	75 - 125	51.4	D			190	27.1		P
Zinc	mg/Kg	75 - 125	209	D			380	55.1		P

metals
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MATRIX SPIKE SUMMARY

client: LB90279 **level:** low **sdg no.:** LB90279
contract: _____ **lab code:** CHEM **case no.:** LB90279 **sas no.:** LB90279
matrix: Solid **sample id:** MET200SRE **client id:** MET200S
Percent Solids for Sample: 96.2 **Spiked ID:** I5346-12RE **Percent Solids for Spike Sample:** _____

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	4770				3800	125.7		P
Antimony	mg/Kg	75 - 125	15.6				190	8.2		P
Arsenic	mg/Kg	75 - 125	14.8				190	7.8		P
Barium	mg/Kg	75 - 125	239				950	25.2		P
Beryllium	mg/Kg	75 - 125	4.16				190	2.2		P
Cadmium	mg/Kg	75 - 125	4.63				190	2.4		P
Calcium	mg/Kg	75 - 125	27500				19000	145		P
Chromium	mg/Kg	75 - 125	27.7				190	14.6		P
Cobalt	mg/Kg	75 - 125	41.9				190	22.1		P
Copper	mg/Kg	75 - 125	61.4				380	16.2		P
Iron	mg/Kg	75 - 125	15600				9500	164.5		P
Lead	mg/Kg	75 - 125	453				190	238.8		P
Magnesium	mg/Kg	75 - 125	10400				19000	54.8		P
Manganese	mg/Kg	75 - 125	510				380	134.4		P
Nickel	mg/Kg	75 - 125	52.8				190	27.8		P
Potassium	mg/Kg	75 - 125	430				9500	4.5		P
Molybdenum	mg/Kg	75 - 125	5.49				190	2.9		P
Tin	mg/Kg	75 - 125	5.76				190	3		P
Selenium	mg/Kg	75 - 125	7.34				190	3.9		P
Silver	mg/Kg	75 - 125	3.46				190	1.8		P
Sodium	mg/Kg	75 - 125	48.6	J			19000	0.256208		P
Thallium	mg/Kg	75 - 125	3.77				190	2		P
Uranium	mg/Kg	75 - 125	1.73				190	0.912014		P
Vanadium	mg/Kg	75 - 125	52.6				190	27.7		P
Zinc	mg/Kg	75 - 125	214				380	56.4		P

metals
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MATRIX SPIKE SUMMARY

client: LB90279 **level:** low **sdg no.:** LB90279
contract: _____ **lab code:** CHEM **case no.:** LB90279 **sas no.:** LB90279
matrix: Solid **sample id:** MET2B4S **client id:** MET2B4S
Percent Solids for Sample: 99.5 **Spiked ID:** I5347-06 **Percent Solids for Spike Sample:** _____

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	4780				3700	130.3		P
Antimony	mg/Kg	75 - 125	18.1				180	9.9		P
Arsenic	mg/Kg	75 - 125	13.6				180	7.4		P
Barium	mg/Kg	75 - 125	347				920	37.8		P
Beryllium	mg/Kg	75 - 125	4.23				180	2.3		P
Cadmium	mg/Kg	75 - 125	5.4				180	2.9		P
Calcium	mg/Kg	75 - 125	32100				18300	175		P
Chromium	mg/Kg	75 - 125	31.7				180	17.3		P
Cobalt	mg/Kg	75 - 125	42.3				180	23.1		P
Copper	mg/Kg	75 - 125	84.6				370	23.1		P
Iron	mg/Kg	75 - 125	13100				9200	142.9		P
Lead	mg/Kg	75 - 125	918				180	500.5		P
Magnesium	mg/Kg	75 - 125	10600				18300	57.8		P
Manganese	mg/Kg	75 - 125	489				370	133.3		P
Nickel	mg/Kg	75 - 125	53.4				180	29.1		P
Potassium	mg/Kg	75 - 125	512				9200	5.6		P
Molybdenum	mg/Kg	75 - 125	1.87				180	1		P
Tin	mg/Kg	75 - 125	12.9				180	7		P
Selenium	mg/Kg	75 - 125	7.18				180	3.9		P
Silver	mg/Kg	75 - 125	3.5				180	1.9		P
Sodium	mg/Kg	75 - 125	31.8	J			18300	0.173393		P
Thallium	mg/Kg	75 - 125	3.74				180	2		P
Uranium	mg/Kg	75 - 125	0.576				180	0.31407		P
Vanadium	mg/Kg	75 - 125	52.3				180	28.5		P
Zinc	mg/Kg	75 - 125	482				370	131.4		P



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MATRIX SPIKE SUMMARY

client: LB90279 level: low sdg no.: LB90279
contract: _____ lab code: CHEM case no.: LB90279 sas no.: LB90279
matrix: Solid sample id: MET2B4SDL client id: MET2B4S
Percent Solids for Sample: 99.5 Spiked ID: I5347-06DL Percent Solids for Spike Sample: _____

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	0	UD			3700	0		P
Antimony	mg/Kg	75 - 125	0	UD			180	0		P
Arsenic	mg/Kg	75 - 125	0	UD			180	0		P
Barium	mg/Kg	75 - 125	0	UD			920	0		P
Beryllium	mg/Kg	75 - 125	0	UD			180	0		P
Cadmium	mg/Kg	75 - 125	0	UD			180	0		P
Calcium	mg/Kg	75 - 125	0	UD			18300	0		P
Chromium	mg/Kg	75 - 125	0	UD			180	0		P
Cobalt	mg/Kg	75 - 125	0	UD			180	0		P
Copper	mg/Kg	75 - 125	0	UD			370	0		P
Iron	mg/Kg	75 - 125	0	UD			9200	0		P
Lead	mg/Kg	75 - 125	0	UD			180	0		P
Magnesium	mg/Kg	75 - 125	0	UD			18300	0		P
Manganese	mg/Kg	75 - 125	0	UD			370	0		P
Nickel	mg/Kg	75 - 125	0	UD			180	0		P
Potassium	mg/Kg	75 - 125	0	UD			9200	0		P
Molybdenum	mg/Kg	75 - 125	0	UD			180	0		P
Tin	mg/Kg	75 - 125	0	UD			180	0		P
Selenium	mg/Kg	75 - 125	0	UD			180	0		P
Silver	mg/Kg	75 - 125	0	UD			180	0		P
Sodium	mg/Kg	75 - 125	0	UD			18300	0		P
Thallium	mg/Kg	75 - 125	0	UD			180	0		P
Uranium	mg/Kg	75 - 125	0	UD			180	0		P
Vanadium	mg/Kg	75 - 125	0	UD			180	0		P
Zinc	mg/Kg	75 - 125	0	UD			370	0		P

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MATRIX SPIKE SUMMARY

client: LB90279 **level:** low **sdg no.:** LB90279
contract: **lab code:** CHEM **case no.:** LB90279 **sas no.:** LB90279
matrix: Solid **sample id:** MET2B4SDLRE **client id:** MET2B4S
Percent Solids for Sample: 99.5 **Spiked ID:** I5347-06DLRE **Percent Solids for Spike Sample:**

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	4740	D			3700	129.2		P
Antimony	mg/Kg	75 - 125	17.8	D			180	9.7		P
Arsenic	mg/Kg	75 - 125	14.3	D			180	7.8		P
Barium	mg/Kg	75 - 125	339	D			920	37		P
Beryllium	mg/Kg	75 - 125	3.37	JD			180	1.8		P
Cadmium	mg/Kg	75 - 125	5.87	JD			180	3.2		P
Calcium	mg/Kg	75 - 125	32500	D			18300	177.2		P
Chromium	mg/Kg	75 - 125	31.9	D			180	17.4		P
Cobalt	mg/Kg	75 - 125	42.2	D			180	23		P
Copper	mg/Kg	75 - 125	83.7	D			370	22.8		P
Iron	mg/Kg	75 - 125	13000	D			9200	141.8		P
Lead	mg/Kg	75 - 125	886	D			180	483.1		P
Magnesium	mg/Kg	75 - 125	10200	D			18300	55.6		P
Manganese	mg/Kg	75 - 125	497	D			370	135.5		P
Nickel	mg/Kg	75 - 125	51.2	D			180	27.9		P
Potassium	mg/Kg	75 - 125	526	JD			9200	5.7		P
Molybdenum	mg/Kg	75 - 125	1.76	JD			180	0.959658		P
Tin	mg/Kg	75 - 125	39.1	D			180	21.3		P
Selenium	mg/Kg	75 - 125	0	UD			180	0		P
Silver	mg/Kg	75 - 125	3.52	JD			180	1.9		P
Sodium	mg/Kg	75 - 125	0	UD			18300	0		P
Thallium	mg/Kg	75 - 125	3.52	JD			180	1.9		P
Uranium	mg/Kg	75 - 125	0.514	JD			180	0.280264		P
Vanadium	mg/Kg	75 - 125	49.7	D			180	27.1		P
Zinc	mg/Kg	75 - 125	479	D			370	130.6		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: LB90279 **Level:** LOW **SDG No.:** LB90279
Contract: _____ **Lab Code:** CHEM **Case No.:** LB90279 **SAS No.:** LB90279
Matrix: WATER **Sample ID:** I5259-01DL **Client ID:** 20170603-COMP-DDUPDL
Percent Solids for Sample: 0 **Duplicate ID** I5259-01DUPDL **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	371	JD	329	JD	12		P
Antimony	ug/L	20	1.4	JD	0.8	JD	55		P
Arsenic	ug/L	20	10	JD	11	JD	10		P
Barium	ug/L	20	26	JD	26.4	JD	2		P
Beryllium	ug/L	20	20.0	UD	0	UD	200		P
Cadmium	ug/L	20	1.4	JD	0.8	UD	200		P
Calcium	ug/L	20	240000	D	248000	D	3		P
Chromium	ug/L	20	1.2	JD	0.4	UD	200		P
Cobalt	ug/L	20	20.0	UD	0	UD	200		P
Copper	ug/L	20	3.6	JD	2.8	JD	25		P
Iron	ug/L	20	132	JD	142	JD	7		P
Lead	ug/L	20	2.2	JD	1.6	JD	32		P
Magnesium	ug/L	20	750000	D	773000	D	3		P
Manganese	ug/L	20	49.8	D	50.6	D	2		P
Nickel	ug/L	20	20.0	UD	0	UD	200		P
Potassium	ug/L	20	227000	D	236000	D	4		P
Tin	ug/L	20	1.4	JD	1	JD	33		P
Selenium	ug/L	20	100	UD	6	UD	200		P
Molybdenum	ug/L	20	9.4	JD	9.8	JD	4		P
Silver	ug/L	20	7	JD	1.4	JD	133	*	P
Sodium	ug/L	20	6.06e+006	D	6.31e+006	D	4		P
Thallium	ug/L	20	20.0	UD	0	UD	200		P
Uranium	ug/L	20	3.4	JD	3.6	JD	6		P
Vanadium	ug/L	20	17.2	JD	18.6	JD	8		P
Zinc	ug/L	20	40.0	UD	1.6	UD	200		P

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DUPLICATE SAMPLE SUMMARY

Client: LB90279 **Level:** LOW **SDG No.:** LB90279
Contract: _____ **Lab Code:** CHEM **Case No.:** LB90279 **SAS No.:** LB90279
Matrix: WATER **Sample ID:** I5259-01MSDL **Client ID:** 20170603-COMP-DMSDDL
Percent Solids for Sample: 0 **Duplicate ID** I5259-01MSDDL **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	10000	D	10000	D	0		P
Antimony	ug/L	20	590	D	537	D	9		P
Arsenic	ug/L	20	543	D	527	D	3		P
Barium	ug/L	20	2860	D	2610	D	9		P
Beryllium	ug/L	20	609	D	554	D	9		P
Cadmium	ug/L	20	598	D	540	D	10		P
Calcium	ug/L	20	322000	D	296000	D	8		P
Chromium	ug/L	20	540	D	535	D	1		P
Cobalt	ug/L	20	527	D	519	D	2		P
Copper	ug/L	20	1040	D	1030	D	1		P
Iron	ug/L	20	25100	D	23900	D	5		P
Lead	ug/L	20	565	D	519	D	8		P
Magnesium	ug/L	20	797000	D	796000	D	0		P
Manganese	ug/L	20	1080	D	1080	D	0		P
Nickel	ug/L	20	537	D	532	D	1		P
Potassium	ug/L	20	251000	D	252000	D	0		P
Selenium	ug/L	20	599	D	534	D	11		P
Molybdenum	ug/L	20	564	D	514	D	9		P
Tin	ug/L	20	570	D	504	D	12		P
Silver	ug/L	20	602	D	546	D	10		P
Sodium	ug/L	20	6.15e+006	D	6.1e+006	D	1		P
Thallium	ug/L	20	586	D	541	D	8		P
Uranium	ug/L	20	541	D	500	D	8		P
Vanadium	ug/L	20	546	D	542	D	1		P
Zinc	ug/L	20	1010	D	1020	D	1		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: LB90279 **Level:** LOW **SDG No.:** LB90279
Contract: _____ **Lab Code:** CHEM **Case No.:** LB90279 **SAS No.:** LB90279
Matrix: Solid **Sample ID:** I5346-11 **Client ID:** MET200D
Percent Solids for Sample: 96.2 **Duplicate ID** I5346-11 **Percent Solids for Spike Sample:** 96.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	908		908		0		P
Antimony	mg/Kg	20	1.62		1.62		0		P
Arsenic	mg/Kg	20	2.44		2.44		0		P
Barium	mg/Kg	20	18.3		18.3		0		P
Beryllium	mg/Kg	20	0.083	J	0.083	J	0		P
Cadmium	mg/Kg	20	0.207	J	0.207	J	0		P
Calcium	mg/Kg	20	5440		5440		0		P
Chromium	mg/Kg	20	2.64		2.64		0		P
Cobalt	mg/Kg	20	1.39		1.39		0		P
Copper	mg/Kg	20	8.57		8.57		0		P
Iron	mg/Kg	20	3130		3130		0		P
Lead	mg/Kg	20	86.5		86.5		0		P
Magnesium	mg/Kg	20	2010		2010		0		P
Manganese	mg/Kg	20	94.6		94.6		0		P
Nickel	mg/Kg	20	3.36		3.36		0		P
Potassium	mg/Kg	20	89.3	J	89.3	J	0		P
Selenium	mg/Kg	20	1.88	U	0	U			P
Tin	mg/Kg	20	1.1	J	1.1	J	0		P
Molybdenum	mg/Kg	20	1.13	J	1.13	J	0		P
Silver	mg/Kg	20	0.056	J	0.056	J	0		P
Sodium	mg/Kg	20	188	U	0	U			P
Thallium	mg/Kg	20	0.049	J	0.049	J	0		P
Uranium	mg/Kg	20	0.331	J	0.331	J	0		P
Vanadium	mg/Kg	20	3.38		3.38		0		P
Zinc	mg/Kg	20	35.8		35.8		0		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: LB90279 **Level:** LOW **SDG No.:** LB90279
Contract: _____ **Lab Code:** CHEM **Case No.:** LB90279 **SAS No.:** LB90279
Matrix: Solid **Sample ID:** I5346-11DL **Client ID:** MET200D
Percent Solids for Sample: 96.2 **Duplicate ID** I5346-11DL **Percent Solids for Spike Sample:** 96.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	4580	D	4580	D	0		P
Antimony	mg/Kg	20	8.36	JD	8.36	JD	0		P
Arsenic	mg/Kg	20	11.4	D	11.4	D	0		P
Barium	mg/Kg	20	94.8	D	94.8	D	0		P
Beryllium	mg/Kg	20	7.53	UD	0	UD	200		P
Cadmium	mg/Kg	20	1.51	JD	1.51	JD	0		P
Calcium	mg/Kg	20	27800	D	27800	D	0		P
Chromium	mg/Kg	20	13.2	JD	13.2	JD	0		P
Cobalt	mg/Kg	20	6.7	JD	6.7	JD	0		P
Copper	mg/Kg	20	42.6	D	42.6	D	0		P
Iron	mg/Kg	20	15200	D	15200	D	0		P
Lead	mg/Kg	20	436	D	436	D	0		P
Magnesium	mg/Kg	20	10100	D	10100	D	0		P
Manganese	mg/Kg	20	467	D	467	D	0		P
Nickel	mg/Kg	20	15.7	D	15.7	D	0		P
Potassium	mg/Kg	20	437	JD	437	JD	0		P
Tin	mg/Kg	20	5.5	JD	5.5	JD	0		P
Selenium	mg/Kg	20	37.7	UD	0	UD	200		P
Molybdenum	mg/Kg	20	5.57	JD	5.57	JD	0		P
Silver	mg/Kg	20	0.301	JD	0.301	JD	0		P
Sodium	mg/Kg	20	3770	UD	0	UD	200		P
Thallium	mg/Kg	20	0.226	JD	0.226	JD	0		P
Uranium	mg/Kg	20	1.66	JD	1.66	JD	0		P
Vanadium	mg/Kg	20	16.8	JD	16.8	JD	0		P
Zinc	mg/Kg	20	185	D	185	D	0		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: LB90279 **Level:** LOW **SDG No.:** LB90279
Contract: _____ **Lab Code:** CHEM **Case No.:** LB90279 **SAS No.:** LB90279
Matrix: Solid **Sample ID:** I5347-05 **Client ID:** MET2B4D
Percent Solids for Sample: 99.5 **Duplicate ID** I5347-05 **Percent Solids for Spike Sample:** 99.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	4650		4650		0		P
Antimony	mg/Kg	20	11.1		11.1		0		P
Arsenic	mg/Kg	20	10.97		10.97		0		P
Barium	mg/Kg	20	204		204		0		P
Beryllium	mg/Kg	20	0.604		0.604		0		P
Cadmium	mg/Kg	20	1.79		1.79		0		P
Calcium	mg/Kg	20	31900		31900		0		P
Chromium	mg/Kg	20	17.5		17.5		0		P
Cobalt	mg/Kg	20	7.33		7.33		0		P
Copper	mg/Kg	20	68.3		68.3		0		P
Iron	mg/Kg	20	13200		13200		0		P
Lead	mg/Kg	20	907		907		0		P
Magnesium	mg/Kg	20	10700		10700		0		P
Manganese	mg/Kg	20	458		458		0		P
Nickel	mg/Kg	20	18.1		18.1		0		P
Potassium	mg/Kg	20	523		523		0		P
Selenium	mg/Kg	20	1.82	U	0.277	U			P
Molybdenum	mg/Kg	20	1.85		1.85		0		P
Tin	mg/Kg	20	12.7		12.7		0		P
Silver	mg/Kg	20	0.302	J	0.302	J	0		P
Sodium	mg/Kg	20	33.7	J	33.7	J	0		P
Thallium	mg/Kg	20	0.288	J	0.288	J	0		P
Uranium	mg/Kg	20	0.572		0.572		0		P
Vanadium	mg/Kg	20	17.5		17.5		0		P
Zinc	mg/Kg	20	452		452		0		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: LB90279 **Level:** LOW **SDG No.:** LB90279
Contract: _____ **Lab Code:** CHEM **Case No.:** LB90279 **SAS No.:** LB90279
Matrix: Solid **Sample ID:** I5347-05DL **Client ID:** MET2B4D
Percent Solids for Sample: 99.5 **Duplicate ID** I5347-05DL **Percent Solids for Spike Sample:** 99.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	4770	D	4770	D	0		P
Antimony	mg/Kg	20	11.4	JD	11.4	JD	0		P
Arsenic	mg/Kg	20	10.63	D	10.63	D	0		P
Barium	mg/Kg	20	205	D	205	D	0		P
Beryllium	mg/Kg	20	7.28	UD	0	UD	200		P
Cadmium	mg/Kg	20	1.89	JD	1.89	JD	0		P
Calcium	mg/Kg	20	33200	D	33200	D	0		P
Chromium	mg/Kg	20	17.6	D	17.6	D	0		P
Cobalt	mg/Kg	20	7.36	D	7.36	D	0		P
Copper	mg/Kg	20	68.1	D	68.1	D	0		P
Iron	mg/Kg	20	13200	D	13200	D	0		P
Lead	mg/Kg	20	920	D	920	D	0		P
Magnesium	mg/Kg	20	10200	D	10200	D	0		P
Manganese	mg/Kg	20	453	D	453	D	0		P
Nickel	mg/Kg	20	15.7	D	15.7	D	0		P
Potassium	mg/Kg	20	466	JD	466	JD	0		P
Tin	mg/Kg	20	13	JD	13	JD	0		P
Selenium	mg/Kg	20	36.4	UD	0	UD	200		P
Molybdenum	mg/Kg	20	1.75	JD	1.75	JD	0		P
Silver	mg/Kg	20	0.364	JD	0.364	JD	0		P
Sodium	mg/Kg	20	3640	UD	0	UD	200		P
Thallium	mg/Kg	20	0.218	JD	0.218	JD	0		P
Uranium	mg/Kg	20	0.51	JD	0.51	JD	0		P
Vanadium	mg/Kg	20	17	JD	17	JD	0		P
Zinc	mg/Kg	20	447	D	447	D	0		P



Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB90279

SDG No.: LB90279

Contract: _____

Lab Code: CHEM

Case No.: LB90279

SAS No.: LB90279

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB102482BS							
Aluminum	ug/L	10000	3.99	J	0.0399	85 - 115	P
Antimony	ug/L	500	0.01	U	0.002	85 - 115	P
Arsenic	ug/L	500		U	0	85 - 115	P
Barium	ug/L	2500		U	0	85 - 115	P
Beryllium	ug/L	500		U	0	85 - 115	P
Cadmium	ug/L	500	0.02	U	0.004	85 - 115	P
Calcium	ug/L	50000		U	0	85 - 115	P
Chromium	ug/L	500	0.01	U	0.002	85 - 115	P
Cobalt	ug/L	500		U	0	85 - 115	P
Copper	ug/L	1000		U	0	85 - 115	P
Iron	ug/L	25000		U	0	85 - 115	P
Lead	ug/L	500	520		104	85 - 115	P
Magnesium	ug/L	50000		U	0	85 - 115	P
Manganese	ug/L	1000	0.09	U	0.009	85 - 115	P
Nickel	ug/L	500		U	0	85 - 115	P
Potassium	ug/L	25000		U	0	85 - 115	P
Tin	ug/L	500	0.01	U	0.002	85 - 115	P
Selenium	ug/L	500		U	0	85 - 115	P
Molybdenum	ug/L	500		U	0	85 - 115	P
Silver	ug/L	500	0.02	U	0.004	85 - 115	P
Sodium	ug/L	50000		U	0	85 - 115	P
Thallium	ug/L	500		U	0	85 - 115	P
Uranium	ug/L	500		U	0	85 - 115	P
Vanadium	ug/L	500		U	0	85 - 115	P
Zinc	ug/L	1000	0.02	U	0.002	85 - 115	P



Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB90279

SDG No.: LB90279

Contract: _____

Lab Code: CHEM

Case No.: LB90279

SAS No.: LB90279

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB102520BS							
Aluminum	mg/Kg	5000	25.8		0.516	70 - 130	P
Antimony	mg/Kg	250	1.99		0.796	70 - 130	P
Arsenic	mg/Kg	250	1.11		0.444	70 - 130	P
Barium	mg/Kg	1300	9.7		0.746154	70 - 130	P
Beryllium	mg/Kg	250	1.1		0.44	70 - 130	P
Cadmium	mg/Kg	250	1.03		0.412	70 - 130	P
Calcium	mg/Kg	25000	463		1.9	70 - 130	P
Chromium	mg/Kg	250	2.22		0.888	70 - 130	P
Cobalt	mg/Kg	250	1.08		0.432	70 - 130	P
Copper	mg/Kg	500	2.21		0.442	70 - 130	P
Iron	mg/Kg	12500	205		1.6	70 - 130	P
Lead	mg/Kg	250	1.14		0.456	70 - 130	P
Magnesium	mg/Kg	25000	497		2	70 - 130	P
Manganese	mg/Kg	500	1.04		0.208	70 - 130	P
Nickel	mg/Kg	250	1.02		0.408	70 - 130	P
Potassium	mg/Kg	12500	507		4.1	70 - 130	P
Selenium	mg/Kg	250	5.03		2	70 - 130	P
Molybdenum	mg/Kg	250	4.63		1.9	70 - 130	P
Tin	mg/Kg	250	4.84		1.9	70 - 130	P
Silver	mg/Kg	250	1.07		0.428	70 - 130	P
Sodium	mg/Kg	25000	501		2	70 - 130	P
Thallium	mg/Kg	250	0.99		0.396	70 - 130	P
Vanadium	mg/Kg	250	5.09		2	70 - 130	P
Uranium	mg/Kg	250	0.92		0.368	70 - 130	P
Zinc	mg/Kg	500	2.15		0.43	70 - 130	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB90279 SDG No.: LB90279
 Contract: _____ Lab Code: CHEM Case No.: LB90279 SAS No.: LB90279

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB102521BS							
Aluminum	mg/Kg	5000	16.6		0.332	70 - 130	P
Antimony	mg/Kg	250	2.11		0.844	70 - 130	P
Arsenic	mg/Kg	250	1.02		0.408	70 - 130	P
Barium	mg/Kg	1300	9.96		0.766154	70 - 130	P
Beryllium	mg/Kg	250	1.07		0.428	70 - 130	P
Cadmium	mg/Kg	250	1.11		0.444	70 - 130	P
Calcium	mg/Kg	25000	473		1.9	70 - 130	P
Chromium	mg/Kg	250	2.03		0.812	70 - 130	P
Cobalt	mg/Kg	250	1.02		0.408	70 - 130	P
Copper	mg/Kg	500	2.02		0.404	70 - 130	P
Iron	mg/Kg	12500	191		1.5	70 - 130	P
Lead	mg/Kg	250	1.18		0.472	70 - 130	P
Magnesium	mg/Kg	25000	459		1.8	70 - 130	P
Manganese	mg/Kg	500	1.11		0.222	70 - 130	P
Nickel	mg/Kg	250	1.01		0.404	70 - 130	P
Potassium	mg/Kg	12500	483		3.9	70 - 130	P
Tin	mg/Kg	250	4.99		2	70 - 130	P
Selenium	mg/Kg	250	5.09		2	70 - 130	P
Molybdenum	mg/Kg	250	4.75		1.9	70 - 130	P
Silver	mg/Kg	250	1.08		0.432	70 - 130	P
Sodium	mg/Kg	25000	453		1.8	70 - 130	P
Thallium	mg/Kg	250	1.01		0.404	70 - 130	P
Uranium	mg/Kg	250	0.95		0.38	70 - 130	P
Vanadium	mg/Kg	250	4.81		1.9	70 - 130	P
Zinc	mg/Kg	500	2.06		0.412	70 - 130	P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

20170603-COMP-DLDD

Lab Name: Chemtech Consulting Group

Contract:

Lab Code: CHEM **Lb No.:**

Lab Sample ID : I5259-01LDL

SDG No.: LB90279

Matrix (soil/water): WATER

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
		C		C			
Aluminum	371	JD	746	JD	-101		P
Antimony	1.4	JD	1	UD	29		P
Arsenic	10	JD	8	JD	20		P
Barium	26	JD	25	JD	4		P
Beryllium	20.0	UD	0	UD			P
Cadmium	1.4	JD	0	UD	100		P
Calcium	240000	D	230000	D	4		P
Chromium	1.2	JD	6	JD	-400		P
Cobalt	20.0	UD	0	UD			P
Copper	3.6	JD	2	UD	44		P
Iron	132	JD	84	UD	36		P
Lead	2.2	JD	10	JD	-355		P
Magnesium	750000	D	722000	D	4		P
Manganese	49.8	D	53	JD	-6		P
Nickel	20.0	UD	0	UD			P
Potassium	227000	D	224000	D	1		P
Selenium	100	UD	0	UD	100		P
Molybdenum	9.4	JD	7	JD	26		P
Tin	1.4	JD	0	UD	100		P
Silver	7	JD	2	UD	71		P
Sodium	6.06e+006	D	6.02e+006	D	1		P
Thallium	20.0	UD	0	UD	100		P
Uranium	3.4	JD	3	JD	12		P
Vanadium	17.2	JD	15	JD	13		P
Zinc	40.0	UD	12	UD	-400		P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

MET200L

Lab Name: Chemtech Consulting Group

Contract: _____

Lab Code: CHEM

Lb No.: _____

Lab Sample ID : I5346-10L

SDG No.: LB90279

Matrix (soil/water): Solid

Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference		Q	M
		C		C				
Aluminum		4550		23300		-412		P
Antimony		8.31		42.4		-410		P
Arsenic		12.1		60.9		-403		P
Barium		93.9		476		-406		P
Beryllium		0.501		2.65		-430		P
Cadmium		0.998		4.9		-391		P
Calcium		27500		139000		-405		P
Chromium		13.6		67.9		-401		P
Cobalt		7.03		35.4		-403		P
Copper		44.2		222		-401		P
Iron		16100		79600		-393		P
Lead		443		2260		-411		P
Magnesium		10500		52700		-402		P
Manganese		484		2410		-398		P
Nickel		17.5		86.7		-396		P
Potassium		444		2180		-392		P
Tin		5.75		28.9		-403		P
Selenium		0.684 J		3.16 J		-362		P
Molybdenum		5.58		28.1		-403		P
Silver		0.262 J		1.25 J		-379		P
Sodium		60.1 J		274 J		-356		P
Thallium		0.288 J		1.44 J		-400		P
Uranium		1.76		8.84		-401		P
Vanadium		17.6		87.3		-397		P
Zinc		181		912		-404		P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

MET200L

Lab Name: Chemtech Consulting Group

Contract: _____

Lab Code: CHEM **Lb No.:** _____

Lab Sample ID : I5346-10LDL

SDG No.: LB90279

Matrix (soil/water): Solid

Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
		C		C			
Aluminum	4660	D	4200	D	10		P
Antimony	8.23	JD	7.1	JD	14		P
Arsenic	12.9	D	10.84	JD	16		P
Barium	95	D	89.4	JD	6		P
Beryllium	7.48	UD	0	UD			P
Cadmium	1.42	JD	2.99	JD	-111		P
Calcium	28100	D	24700	D	12		P
Chromium	12.2	JD	11.6	JD	5		P
Cobalt	6.66	JD	7.48	JD	-12		P
Copper	43.6	D	44.5	JD	-2		P
Iron	15900	D	15500	D	2		P
Lead	436	D	409	D	6		P
Magnesium	10200	D	10100	JD	1		P
Manganese	480	D	482	D	-0		P
Nickel	15.5	D	11.2	JD	28		P
Potassium	418	JD	606	JD	-45		P
Tin	5.98	JD	4.11	JD	31		P
Selenium	37.4	UD	0	UD			P
Molybdenum	5.68	JD	4.49	JD	21		P
Silver	7.48	UD	0.374	UD	-67		P
Sodium	3740	UD	0	UD			P
Thallium	0.224	JD	0	UD	100		P
Uranium	1.65	JD	1.5	JD	9		P
Vanadium	17.3	JD	18.3	JD	-6		P
Zinc	184	D	173	D	6		P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

MET2B4L

Lab Name: Chemtech Consulting Group

Contract: _____

Lab Code: CHEM

Lb No.: _____

Lab Sample ID : I5347-04L

SDG No.: LB90279

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		4640		4400		5		P
Antimony		11.4		10.74		6		P
Arsenic		11.1		11		1		P
Barium		207		193		7		P
Beryllium		0.654		0.47	J	28		P
Cadmium		1.89		1.81		4		P
Calcium		32400		30700		5		P
Chromium		17.1		16.8		2		P
Cobalt		7.22		7.16		1		P
Copper		67.5		65.3		3		P
Iron		13000		12500		4		P
Lead		927		884		5		P
Magnesium		10500		9960		5		P
Manganese		451		435		4		P
Nickel		17.9		17.2		4		P
Potassium		516		494	J	4		P
Selenium		0.38	J	0	U	100.0		P
Molybdenum		1.87		1.92	J	-3		P
Tin		12.8		11.9		7		P
Silver		0.311	J	0.325	J	-5		P
Sodium		38.6	J	0	U	100.0		P
Thallium		0.3	J	0.253	J	16		P
Uranium		0.578		0.542	J	6		P
Vanadium		17.1		16.9		1		P
Zinc		445		435		2		P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

MET2B4L

Lab Name: Chemtech Consulting Group

Contract: _____

Lab Code: CHEM

Lb No.: _____

Lab Sample ID : I5347-04LDL

SDG No.: LB90279

Matrix (soil/water): Solid

Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
		C		C			
Aluminum		4650 D		0 UD	100		P
Antimony		11.3 JD		0 UD	100		P
Arsenic		10.99 D		0 UD	100		P
Barium		202 D		0 UD	100		P
Beryllium		7.23 UD		0 UD			P
Cadmium		2.1 JD		0 UD	100		P
Calcium		32400 D		0 UD	100		P
Chromium		17.4 D		0 UD	100		P
Cobalt		7.09 JD		0 UD	100		P
Copper		65.7 D		0 UD	100		P
Iron		13000 D		0 UD	100		P
Lead		893 D		0 UD	100		P
Magnesium		10200 D		0 UD	100		P
Manganese		444 D		0 UD	100		P
Nickel		16.2 D		0 UD	100		P
Potassium		491 JD		0 UD	100		P
Tin		12.5 JD		0 UD	100		P
Selenium		36.2 UD		0 UD			P
Molybdenum		1.74 JD		0 UD	100		P
Silver		0.289 JD		0 UD	100		P
Sodium		3620 UD		0 UD			P
Thallium		7.23 UD		0 UD	100		P
Uranium		0.578 JD		0 UD	100		P
Vanadium		17.5 JD		0 UD	100		P
Zinc		450 D		0 UD	100		P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

MET2B4L

Lab Name: Chemtech Consulting Group

Contract: _____

Lab Code: CHEM

Lb No.: _____

Lab Sample ID : I5347-04LDLRE

SDG No.: LB90279

Matrix (soil/water): Solid

Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ- ence	Q	M
Aluminum			0	UD			P
Antimony			0	UD			P
Arsenic			0	UD			P
Barium			0	UD			P
Beryllium			0	UD			P
Cadmium			0	UD			P
Calcium			0	UD			P
Chromium			0	UD			P
Cobalt			0	UD			P
Copper			0	UD			P
Iron			0	UD			P
Lead			0	UD			P
Magnesium			0	UD			P
Manganese			0	UD			P
Nickel			0	UD			P
Potassium			0	UD			P
Tin			0	UD			P
Selenium			0	UD			P
Molybdenum			0	UD			P
Silver			0	UD			P
Sodium			0	UD			P
Thallium			0	UD			P
Uranium			0	UD			P
Vanadium			0	UD			P
Zinc			0	UD			P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

MET2B4L

Lab Name: Chemtech Consulting Group

Contract: _____

Lab Code: CHEM

Lb No.: _____

Lab Sample ID : I5347-04LDLRE2

SDG No.: LB90279

Matrix (soil/water): Solid

Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum			4320				P
Antimony			10.12	J			P
Arsenic			10.48	J			P
Barium			182	J			P
Beryllium			0	U	100.0		P
Cadmium			4.34	J			P
Calcium			28600				P
Chromium			17	J			P
Cobalt			6.51	J			P
Copper			62.2	J			P
Iron			12300				P
Lead			827				P
Magnesium			9560	J			P
Manganese			421				P
Nickel			14.5	J			P
Potassium			96.5	U	100.0		P
Selenium			0	U	100.0		P
Molybdenum			1.45	J			P
Tin			11.6	J			P
Silver			0.362	U	100.0		P
Sodium			0	U	100.0		P
Thallium			0	U	100.0		P
Uranium			0.362	U	100.0		P
Vanadium			14.8	J			P
Zinc			442				P



Metals
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SAMPLE PREPARATION SUMMARY

Client: LB90279 SDG No.: LB90279
Contract: Lab Code: CHEM Method:
Case No.: LB90279 SAS No.: LB90279

					Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Sample ID	Client ID	Sample Type	Matrix	Prep Date			
Batch Number: PB102405							
I5259-01DL	20170603-COMP-DDL	SAM	WATER	09/22/2017	50.0	50.0	
I5259-01DUPDL	20170603-COMP-DDUPDL	DUP	WATER	09/22/2017	50.0	50.0	
I5259-01MSDL	20170603-COMP-DMSDL	MS	WATER	09/22/2017	50.0	50.0	
I5259-01MSDDL	20170603-COMP-DMSDDL	MSD	WATER	09/22/2017	50.0	50.0	
I5259-02DL	20170602-COMP-CDL	SAM	WATER	09/22/2017	50.0	50.0	
I5259-04DL	20170600-COMP-ADL	SAM	WATER	09/22/2017	50.0	50.0	
I5259-03DL	20170601-COMP-BDL	SAM	WATER	09/22/2017	50.0	50.0	
I5259-05DL	20170603-COMP-DDL	SAM	WATER	09/22/2017	50.0	50.0	
I5259-06DL	20170602-COMP-CDL	SAM	WATER	09/22/2017	50.0	50.0	
I5259-07DL	20170601-COMP-BDL	SAM	WATER	09/22/2017	50.0	50.0	
I5259-08DL	20170600-COMP-ADL	SAM	WATER	09/22/2017	50.0	50.0	



Metals
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SAMPLE PREPARATION SUMMARY

Client: LB90279 SDG No.: LB90279
Contract: Lab Code: CHEM Method:
Case No.: LB90279 SAS No.: LB90279

					Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Sample ID	Client ID	Sample Type	Matrix	Prep Date			
Batch Number: PB102482							
PB102482BL	PB102482BL	MB	WATER	09/22/2017	50.0	50.0	
PB102482BS	PB102482BS	LCS	WATER	09/22/2017	50.0	50.0	
I5327-01	QADX-21-BS-BR15-W2-F1-1D	SAM	WATER	09/22/2017	50.0	50.0	
I5327-02	QADX-21-BS-BR15-W2-F1-2D	SAM	WATER	09/22/2017	50.0	50.0	
I5327-03	QADX-21-BS-BR15-W2-F1-3D	SAM	WATER	09/22/2017	50.0	50.0	

Metals
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SAMPLE PREPARATION SUMMARY

Client: <u>LB90279</u>	SDG No.: <u>LB90279</u>	
Contract: _____	Lab Code: <u>CHEM</u>	Method: _____
	Case No.: <u>LB90279</u>	SAS No.: <u>LB90279</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: pb102520							
PB102520BL	PBS002	MB	SOLID	09/22/2017	1.00	500.0	100.00
PB102520BS	LCS002	LCS	SOLID	09/22/2017	1.00	500.0	100.00
I5346-01	MET1Z1	SAM	SOLID	09/22/2017	1.35	500.0	91.30
I5346-02	MET1Z2	SAM	SOLID	09/22/2017	1.34	500.0	96.10
I5346-03	MET1Z3	SAM	SOLID	09/22/2017	1.38	500.0	97.10
I5346-04	MET1Z4	SAM	SOLID	09/22/2017	1.37	500.0	95.60
I5346-05	MET1Z5	SAM	SOLID	09/22/2017	1.43	500.0	92.60
I5346-06	MET1Z6	SAM	SOLID	09/22/2017	1.38	500.0	76.90
I5346-07	MET1Z7	SAM	SOLID	09/22/2017	1.37	500.0	99.30
I5346-08	MET1Z8	SAM	SOLID	09/22/2017	1.38	500.0	99.20
I5346-09	MET1Z9	SAM	SOLID	09/22/2017	1.33	500.0	97.20
I5346-10	MET200	SAM	SOLID	09/22/2017	1.39	500.0	96.20
I5346-11	MET200D	DUP	SOLID	09/22/2017	1.38	500.0	96.20
I5346-12	MET200S	MS	SOLID	09/22/2017	1.37	500.0	96.20
I5346-13	MET201	SAM	SOLID	09/22/2017	1.38	500.0	83.80
I5346-14	MET202	SAM	SOLID	09/22/2017	1.45	500.0	96.00
I5346-15	MET203	SAM	SOLID	09/22/2017	1.38	500.0	98.70
I5346-16	MET204	SAM	SOLID	09/22/2017	1.35	500.0	98.10
I5346-12RE	MET200S	MS	SOLID	09/22/2017	1.37	500.0	96.20
I5346-13RE	MET201	SAM	SOLID	09/22/2017	1.38	500.0	83.80
I5346-17	MET205	SAM	SOLID	09/22/2017	1.37	500.0	98.20
I5346-18	MET206	SAM	SOLID	09/22/2017	1.38	500.0	98.70
I5346-19	MET207	SAM	SOLID	09/22/2017	1.34	500.0	99.50
I5346-20	MET208	SAM	SOLID	09/22/2017	1.36	500.0	99.20
I5346-21	MET2A9	SAM	SOLID	09/22/2017	1.35	500.0	96.10
I5346-22	MET2B0	SAM	SOLID	09/22/2017	1.38	500.0	96.90
I5346-01DL	MET1Z1	SAM	SOLID	09/22/2017	1.35	500.0	91.30
I5346-22DL	MET2B0	SAM	SOLID	09/22/2017	1.38	500.0	96.90
I5346-02DL	MET1Z2	SAM	SOLID	09/22/2017	1.34	500.0	96.10
I5346-03DL	MET1Z3	SAM	SOLID	09/22/2017	1.38	500.0	97.10
I5346-04DL	MET1Z4	SAM	SOLID	09/22/2017	1.37	500.0	95.60
I5346-05DL	MET1Z5	SAM	SOLID	09/22/2017	1.43	500.0	92.60
I5346-05DLRE	MET1Z5	SAM	SOLID	09/22/2017	1.43	500.0	92.60
I5346-06DL	MET1Z6	SAM	SOLID	09/22/2017	1.38	500.0	76.90
I5346-07DL	MET1Z7	SAM	SOLID	09/22/2017	1.37	500.0	99.30
I5346-08DL	MET1Z8	SAM	SOLID	09/22/2017	1.38	500.0	99.20
I5346-09DL	MET1Z9	SAM	SOLID	09/22/2017	1.33	500.0	97.20
I5346-09DLRE	MET1Z9	SAM	SOLID	09/22/2017	1.33	500.0	97.20
I5346-10DL	MET200	SAM	SOLID	09/22/2017	1.39	500.0	96.20
I5346-11DL	MET200D	DUP	SOLID	09/22/2017	1.38	500.0	96.20
I5346-12DL	MET200S	MS	SOLID	09/22/2017	1.37	500.0	96.20

Metals
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SAMPLE PREPARATION SUMMARY

Client: <u>LB90279</u>	SDG No.: <u>LB90279</u>	
Contract: _____	Lab Code: <u>CHEM</u>	Method: _____
	Case No.: <u>LB90279</u>	SAS No.: <u>LB90279</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample	Percent Solids
						Volume (mL)	
I5346-13DL	MET201	SAM	SOLID	09/22/2017	1.38	500.0	83.80
I5346-14DL	MET202	SAM	SOLID	09/22/2017	1.45	500.0	96.00
I5346-15DL	MET203	SAM	SOLID	09/22/2017	1.38	500.0	98.70
I5346-16DL	MET204	SAM	SOLID	09/22/2017	1.35	500.0	98.10
I5346-17DL	MET205	SAM	SOLID	09/22/2017	1.37	500.0	98.20
I5346-18DL	MET206	SAM	SOLID	09/22/2017	1.38	500.0	98.70
I5346-19DL	MET207	SAM	SOLID	09/22/2017	1.34	500.0	99.50
I5346-20DL	MET208	SAM	SOLID	09/22/2017	1.36	500.0	99.20
I5346-21DL	MET2A9	SAM	SOLID	09/22/2017	1.35	500.0	96.10
I5346-22DL2	MET2B0	SAM	SOLID	09/22/2017	1.38	500.0	96.90

**Metals
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SAMPLE PREPARATION SUMMARY

Client: <u>LB90279</u>	SDG No.: <u>LB90279</u>	
Contract: _____	Lab Code: <u>CHEM</u>	Method: _____
	Case No.: <u>LB90279</u>	SAS No.: <u>LB90279</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB102521							
PB102521BL	PBS002	MB	SOLID	09/22/2017	1.00	500.0	100.00
PB102521BS	LCS002	LCS	SOLID	09/22/2017	1.00	500.0	100.00
I5347-01	MET2B1	SAM	SOLID	09/22/2017	1.36	500.0	99.30
I5347-02	MET2B2	SAM	SOLID	09/22/2017	1.40	500.0	93.30
I5347-03	MET2B3	SAM	SOLID	09/22/2017	1.39	500.0	99.70
I5347-04	MET2B4	SAM	SOLID	09/22/2017	1.39	500.0	99.50
I5347-05	MET2B4D	DUP	SOLID	09/22/2017	1.38	500.0	99.50
I5347-06	MET2B4S	MS	SOLID	09/22/2017	1.37	500.0	99.50
I5347-07	MET2B5	SAM	SOLID	09/22/2017	1.42	500.0	99.40
I5347-01RE	MET2B1	SAM	SOLID	09/22/2017	1.36	500.0	99.30
I5347-01DL	MET2B1	SAM	SOLID	09/22/2017	1.36	500.0	99.30
I5347-02DL	MET2B2	SAM	SOLID	09/22/2017	1.40	500.0	93.30
I5347-03DL	MET2B3	SAM	SOLID	09/22/2017	1.39	500.0	99.70
I5347-04DL	MET2B4	SAM	SOLID	09/22/2017	1.39	500.0	99.50
I5347-05DL	MET2B4D	DUP	SOLID	09/22/2017	1.38	500.0	99.50
I5347-06DL	MET2B4S	MS	SOLID	09/22/2017	1.37	500.0	99.50
I5347-07DL	MET2B5	SAM	SOLID	09/22/2017	1.42	500.0	99.40
I5347-02DLRE	MET2B2	SAM	SOLID	09/22/2017	1.40	500.0	93.30
I5347-03DLRE	MET2B3	SAM	SOLID	09/22/2017	1.39	500.0	99.70
I5347-06DLRE	MET2B4S	MS	SOLID	09/22/2017	1.37	500.0	99.50