

APPENDIX C: SITE CONDITIONS DOCUMENTS

Property Tax ID: 29050800400900
Property Address: 702 E Marine View Dr.

DU - A (1644 sq ft)	0-6"	6-12"	12-18"	18-24"
Dig Decision	Dig	Dig	No Dig	No Dig
Result Determining Decision	Maximum and Average		n/a	n/a
Average	53.9	70.0	54.7	36.3
Maximum	73.0	180.0	110.0	70.3

DU	Sample ID	Horizon Depth (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	609-A-01	0-6	53.9	20	23.4	40	yes	
A	609-A-01	6-12	70.0	20	180.0	40	yes	yes
A	609-A-01	12-18	54.7	60	110.0	150		
A	609-A-01	18-24	36.3	60	70.3	150		
A	609-A-02	0-6	53.9	20	73.0	40	yes	yes
A	609-A-02	6-12	70.0	20	20.0	40	yes	
A	609-A-02	12-18	54.7	60	21.8	150		
A	609-A-02	18-24	36.3	60	11.5	150		
A	609-A-03	0-6	53.9	20	70.0	40	yes	yes
A	609-A-03	6-12	70.0	20	43.0	40	yes	yes
A	609-A-03	12-18	54.7	60	47.0	150		
A	609-A-03	18-24	36.3	60	32.1	150		
A	609-A-04	0-6	53.9	20	60.0	40	yes	yes
A	609-A-04	6-12	70.0	20	91.0	40	yes	yes
A	609-A-04	12-18	54.7	60	54.0	150		
A	609-A-04	18-24	36.3	60	35.0	150		
A	609-A-05	0-6	53.9	20	43.0	40	yes	yes
A	609-A-05	6-12	70.0	20	16.0	40	yes	
A	609-A-05	12-18	54.7	60	40.8	150		
A	609-A-05	18-24	36.3	60	32.7	150		

<LOD = less than the limit of detection

DU = decision unit

ICP-MS = inductively coupled plasma - mass spectrometry

ID = identification

n/a = not applicable

ppm = parts per million

XRF = x-ray fluorescence

Notes:

There are no data qualifiers in this dataset.

Results in bold were analyzed by ICP-MS per EPA 6020.

All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

- na Discrete sample results and the average concentration for the DU at a depth horizon are below action limits.
- maximum Dig decision based on a discrete sample result exceeding the action limit.
- average Dig decision based on the average concentration for the DU at the depth horizon exceeding the action limit.
- maximum & average Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: **29051700102900**
 Property Address: **720 E MARINE VIEW DR**

Decision Unit - A	0 - 6"	6 - 12"	12 - 18"	18 - 24"
Dig Decision	Dig	Dig	No Dig	No Dig
Results Determining Decision	Maximum & Average		n/a	n/a
Average (Result/Action Limit)	57/ 20	90.1/ 20	22.4/ 60	16.1/ 60
Sample (Result/Action Limit)	130/ 40	274/ 40	39/ 150	34.9/ 150

Decision Unit - B	0 - 6"	6 - 12"	12 - 18"	18 - 24"
Dig Decision	Dig	Dig	Dig	Dig
Results Determining Decision	Maximum & Average			
Average (Result/Action Limit)	82/ 20	91.3/ 20	67.8/ 60	65.1/ 60
Sample (Result/Action Limit)	137/ 40	165/ 40	135/ 150	157.6/ 150

Decision Unit Results Determining Dig Decisions

- n/a Discrete sample results and the average concentration for the Decision Unit at a depth horizon are below action limits.
- maximum Dig decision based on a discrete sample result exceeding the action limit.
- average Dig decision based on the average concentration for the Decision Unit at the depth horizon exceeding the action limit.
- maximum & average Dig decision based on a discrete sample result and the average concentration for the Decision Unit exceeding action limits.

Decision Unit (DU)	Sample Identification Number	Depth Horizon (inches)	Arsenic (ppm)				Sample Result Exceeds Action Limit	Average Exceeds Action Limit
			Sample Result	Sample Action Limit	Average Result for DU at Depth	Average Action Limit		
A	519_A_1	0 - 6	130	40	57.0	20	Yes	Yes
A	519_A_2	0 - 6	22.7	40	57.0	20		Yes
A	519_A_3	0 - 6	14	40	57.0	20		Yes
A	519_A_4	0 - 6	47	40	57.0	20	Yes	Yes
A	519_A_5	0 - 6	48	40	57.0	20	Yes	Yes
A	519_A_6	0 - 6	80.2	40	57.0	20	Yes	Yes
A	519_A_1	6 - 12	274	40	90.1	20	Yes	Yes
A	519_A_2	6 - 12	12.3	40	90.1	20		Yes
A	519_A_3	6 - 12	139	40	90.1	20	Yes	Yes
A	519_A_4	6 - 12	29	40	90.1	20		Yes
Decision Unit (DU)	Sample Identification Number	Depth Horizon (inches)	Arsenic (ppm)				Sample Result Exceeds Action Limit	Average Exceeds Action Limit
			Sample Result	Sample Action Limit	Average Result for DU at Depth	Average Action Limit		
A	519_A_5	6 - 12	74	40	90.1	20	Yes	Yes
A	519_A_6	6 - 12	12.2	40	90.1	20		Yes
A	519_A_1	12 - 18	30.8	150	22.4	60		
A	519_A_2	12 - 18	10.8	150	22.4	60		
A	519_A_3	12 - 18	39	150	22.4	60		
A	519_A_4	12 - 18	12.8	150	22.4	60		

A	519_A_5	12 - 18	32.8	150	22.4	60		
A	519_A_6	12 - 18	8.4	150	22.4	60		
A	519_A_1	18 - 24	34.9	150	16.1	60		
A	519_A_2	18 - 24	10.1	150	16.1	60		
A	519_A_3	18 - 24	13.6	150	16.1	60		
A	519_A_4	18 - 24	8.4	150	16.1	60		
A	519_A_6	18 - 24	13.3	150	16.1	60		
B	519_B_1	0 - 6	56	40	82.0	20	Yes	Yes
B	519_B_2	0 - 6	137	40	82.0	20	Yes	Yes
B	519_B_3	0 - 6	76	40	82.0	20	Yes	Yes
B	519_B_4	0 - 6	93	40	82.0	20	Yes	Yes
B	519_B_5	0 - 6	79	40	82.0	20	Yes	Yes
B	519_B_6	0 - 6	74	40	82.0	20	Yes	Yes
B	519_B_7	0 - 6	59.3	40	82.0	20	Yes	Yes
B	519_B_1	6 - 12	40.2	40	91.3	20	Yes	Yes
B	519_B_2	6 - 12	104	40	91.3	20	Yes	Yes
B	519_B_3	6 - 12	91	40	91.3	20	Yes	Yes
B	519_B_4	6 - 12	82	40	91.3	20	Yes	Yes
B	519_B_5	6 - 12	165	40	91.3	20	Yes	Yes
B	519_B_6	6 - 12	71	40	91.3	20	Yes	Yes
B	519_B_7	6 - 12	86	40	91.3	20	Yes	Yes
B	519_B_1	12 - 18	11.3	150	67.8	60		Yes
B	519_B_2	12 - 18	21.2	150	67.8	60		Yes
B	519_B_3	12 - 18	77	150	67.8	60		Yes
B	519_B_4	12 - 18	76.1	150	67.8	60		Yes
B	519_B_5	12 - 18	135	150	67.8	60		Yes
B	519_B_6	12 - 18	81	150	67.8	60		Yes
B	519_B_7	12 - 18	73	150	67.8	60		Yes
B	519_B_1	18 - 24	6.8	150	65.1	60		Yes
B	519_B_2	18 - 24	33	150	65.1	60		Yes
B	519_B_3	18 - 24	98.4	150	65.1	60		Yes
B	519_B_4	18 - 24	11.6	150	65.1	60		Yes
B	519_B_5	18 - 24	157.6	150	65.1	60	Yes	Yes
B	519_B_6	18 - 24	74.6	150	65.1	60		Yes
B	519_B_7	18 - 24	74	150	65.1	60		Yes

Decision Unit (DU)	Sample Identification Number	Depth Horizon (inches)	Arsenic (ppm)				Sample Result Exceeds Action Limit	Average Exceeds Action Limit
			Sample Result	Sample Action Limit	Average Result for DU at Depth	Average Action Limit		

Key

<LOD = less than the limit of detection

DU = decision unit

ICP-MS = inductively coupled plasma - mass spectrometry

Refusal = sample could not be obtained

ppm = parts per million

XRF = x-ray fluorescence

Notes

There are no data qualifiers in this dataset.

Results in **bold** were analyzed by ICP-MS per EPA 6020.

All other results were analyzed by XRF per EPA 6200.

Property Tax ID: **29051700102800**
 Property Address: **724 E MARINE VIEW DR**

Decision Unit - A	0 - 6"	6 - 12"	12 - 18"	18 - 24"
Dig Decision	Dig		No Dig	No Dig
Results Determining Decision	Maximum & Average		n/a	n/a
Average (Result/Action Limit)	0/ 20	50.6/ 20	23.8/ 60	25.3/ 60
Sample (Result/Action Limit)	0/ 40	86/ 40	88/ 150	110/ 150

Decision Unit Results Determining Dig Decisions

- n/a Discrete sample results and the average concentration for the Decision Unit at a depth horizon are below action limits.
- maximum Dig decision based on a discrete sample result exceeding the action limit.
- average Dig decision based on the average concentration for the Decision Unit at the depth horizon exceeding the action limit.
- maximum & average Dig decision based on a discrete sample result and the average concentration for the Decision Unit exceeding action limits.

Decision Unit (DU)	Sample Identification Number	Depth Horizon (inches)	Arsenic (ppm)				Sample Result Exceeds Action Limit	Average Exceeds Action Limit
			Sample Result	Sample Action Limit	Average Result for DU at Depth	Average Action Limit		
A	243-A-01-B	6 - 12	34	40	50.6	20		Yes
A	243-A-02-B	6 - 12	51.9	40	50.6	20	Yes	Yes
A	243-A-03-B	6 - 12	41	40	50.6	20	Yes	Yes
A	243-A-04-B	6 - 12	35.8	40	50.6	20		Yes
A	243-A-05-B	6 - 12	54.9	40	50.6	20	Yes	Yes
A	243-A-06-B	6 - 12	86	40	50.6	20	Yes	Yes
A	243-A-01-C	12 - 18	28.6	150	23.8	60		
A	243-A-02-C	12 - 18	6.4	150	23.8	60		
A	243-A-03-C	12 - 18	3.4	150	23.8	60		
A	243-A-04-C	12 - 18	88	150	23.8	60		
A	243-A-05-C	12 - 18	10	150	23.8	60		
A	243-A-06-C	12 - 18	6.4	150	23.8	60		
Decision Unit (DU)	Sample Identification Number	Depth Horizon (inches)	Arsenic (ppm)				Sample Result Exceeds Action Limit	Average Exceeds Action Limit
			Sample Result	Sample Action Limit	Average Result for DU at Depth	Average Action Limit		
A	243-A-01-D	18 - 24	3.8	150	25.3	60		
A	243-A-02-D	18 - 24	5.3	150	25.3	60		
A	243-A-03-D	18 - 24	2.2	150	25.3	60		
A	243-A-04-D	18 - 24	110	150	25.3	60		
A	243-A-05-D	18 - 24	<LOD	150	25.3	60		
A	243-A-06-D	18 - 24	5.4	150	25.3	60		
	TCLP-243		<LOD					

Key

<LOD = less than the limit of detection

DU = decision unit

ICP-MS = inductively coupled plasma - mass spectrometry

Refusal = sample could not be obtained

ppm = parts per million

XRF = x-ray fluorescence

Notes

There are no data qualifiers in this dataset.

Results in **bold** were analyzed by ICP-MS per EPA 6020.

All other results were analyzed by XRF per EPA 6200.

Property Tax ID: 29051700103000
Property Address: 728 E MARINE VIEW DR

Decision Unit - A	0 - 6"	6 - 12"	12 - 18"	18 - 24"
Dig Decision	Dig			No Dig
Results Determining Decision	Maximum & Average			n/a
Average (Result/Action Limit)	0/ 20	0/ 20	83.3/ 60	30.4/ 60
Sample (Result/Action Limit)	0/ 40	0/ 40	244/ 150	110/ 150

Decision Unit Results Determining Dig Decisions

- n/a Discrete sample results and the average concentration for the Decision Unit at a depth horizon are below action limits.
- maximum Dig decision based on a discrete sample result exceeding the action limit.
- average Dig decision based on the average concentration for the Decision Unit at the depth horizon exceeding the action limit.
- maximum & average Dig decision based on a discrete sample result and the average concentration for the Decision Unit exceeding action limits.

Decision Unit (DU)	Sample Identification Number	Depth Horizon (inches)	Arsenic (ppm)				Sample Result Exceeds Action Limit	Average Exceeds Action Limit
			Sample Result	Sample Action Limit	Average Result for DU at Depth	Average Action Limit		
A	244-A-01-C	12 - 18	244	150	83.3	60	Yes	Yes
A	244-A-02-C	12 - 18	104.6	150	83.3	60		Yes
A	244-A-03-C	12 - 18	38.7	150	83.3	60		Yes
A	244-A-04-C	12 - 18	3.8	150	83.3	60		Yes
A	244-A-05-C	12 - 18	5.5	150	83.3	60		Yes
A	244-A-06-C	12 - 18	103.2	150	83.3	60		Yes
A	244-A-01-D	18 - 24	110	150	30.4	60		
A	244-A-02-D	18 - 24	53	150	30.4	60		
A	244-A-03-D	18 - 24	5.1	150	30.4	60		
A	244-A-04-D	18 - 24	3.7	150	30.4	60		
A	244-A-05-D	18 - 24	4.5	150	30.4	60		
A	244-A-06-D	18 - 24	6	150	30.4	60		
Decision Unit (DU)	Sample Identification Number	Depth Horizon (inches)	Arsenic (ppm)				Sample Result Exceeds Action Limit	Average Exceeds Action Limit
			Sample Result	Sample Action Limit	Average Result for DU at Depth	Average Action Limit		
	TCLP-244		0.04					

Key

- <LOD = less than the limit of detection
- DU = decision unit
- ICP-MS = inductively coupled plasma - mass spectrometry
- Refusal = sample could not be obtained
- ppm = parts per million
- XRF = x-ray fluorescence

Notes

There are no data qualifiers in this dataset.
Results in **bold** were analyzed by ICP-MS per EPA 6020.
All other results were analyzed by XRF per EPA 6200.

Property Tax ID: 29051700101900
Property Address: 802 E MARINE VIEW DR

Decision Unit - A	6 - 12"	12 - 18"	18 - 24"
Dig Decision	Dig	No Dig	No Dig
Results Determining Decision	Maximum & Average	n/a	n/a
Average (Result/Action Limit)	50.3/ 20	40.4/ 60	30.4/ 60
Sample (Result/Action Limit)	124/ 40	78/ 150	94/ 150

Decision Unit Results Determining Dig Decisions

- n/a Discrete sample results and the average concentration for the Decision Unit at a depth horizon are below action limits.
- maximum Dig decision based on a discrete sample result exceeding the action limit.
- average Dig decision based on the average concentration for the Decision Unit at the depth horizon exceeding the action limit.
- maximum & average Dig decision based on a discrete sample result and the average concentration for the Decision Unit exceeding action limits.

Decision Unit (DU)	Sample Identification Number	Depth Horizon (inches)	Arsenic (ppm)				Sample Result Exceeds Action Limit	Average Exceeds Action Limit
			Sample Result	Sample Action Limit	Average Result for DU at Depth	Average Action Limit		
A	246-A-01-B	6 - 12	9.2	40	50.3	20		Yes
A	246-A-02-B	6 - 12	18	40	50.3	20		Yes
A	246-A-03-B	6 - 12	31.3	40	50.3	20		Yes
A	246-A-04-B	6 - 12	114.1	40	50.3	20	Yes	Yes
A	246-A-05-B	6 - 12	5	40	50.3	20		Yes
A	246-A-06-B	6 - 12	124	40	50.3	20	Yes	Yes
A	246-A-01-C	12 - 18	29.7	150	40.5	60		
A	246-A-02-C	12 - 18	29.1	150	40.5	60		
A	246-A-03-C	12 - 18	78	150	40.5	60		
A	246-A-04-C	12 - 18	26.4	150	40.5	60		
A	246-A-05-C	12 - 18	5.4	150	40.5	60		
A	246-A-06-C	12 - 18	74.1	150	40.5	60		
Decision Unit (DU)	Sample Identification Number	Depth Horizon (inches)	Arsenic (ppm)				Sample Result Exceeds Action Limit	Average Exceeds Action Limit
			Sample Result	Sample Action Limit	Average Result for DU at Depth	Average Action Limit		
A	246-A-01-D	18 - 24	9.5	150	30.4	60		
A	246-A-02-D	18 - 24	15.9	150	30.4	60		
A	246-A-03-D	18 - 24	94	150	30.4	60		
A	246-A-04-D	18 - 24	40.2	150	30.4	60		
A	246-A-05-D	18 - 24	4.4	150	30.4	60		
A	246-A-06-D	18 - 24	18.2	150	30.4	60		
X	Comp-246-X-A		41		31.1			
X	Comp-246-X-A		21.1		31.1			
	TCLP-246		0.016					

Key

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Refusal = sample could not be obtained

ppm = parts per million

XRF = x-ray fluorescence

Notes

There are no data qualifiers in this dataset.

Results in **bold** were analyzed by ICP-MS per EPA 6020.

All other results were analyzed by XRF per EPA 6200.

Property Tax ID: 29051700101800
 Property Address: 812 E Marine View Dr.

DU - A (3170 sq ft)	0-6"	6-12"	12-18"	18-24"
Dig Decision	Dig	Dig	No Dig	No Dig
Result Determining Decision	Maximum and Average		n/a	n/a
Average	29.7	29.9	39.2	19.8
Maximum	62.0	60.0	66.3	43.8

DU - B (3173 sq ft)	0-6"	6-12"	12-18"	18-24"
Dig Decision	Dig	No Dig	No Dig	No Dig
Result Determining Decision	Average	n/a	n/a	n/a
Average	22.5	20.0	25.5	25.4
Maximum	38.0	38.0	63.1	52.8

DU	Sample ID	Horizon Depth (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	613-A-01	0-6	29.7	20	62.0	40	yes	yes
A	613-A-01	6-12	29.9	20	60.0	40	yes	yes
A	613-A-01	12-18	39.2	60	42.9	150		
A	613-A-01	18-24	19.8	60	9.5	150		
A	613-A-02	0-6	29.7	20	12.1	40	yes	
A	613-A-02	6-12	29.9	20	9.7	40	yes	
A	613-A-02	12-18	39.2	60	10.3	150		
A	613-A-02	18-24	19.8	60	7.6	150		
A	613-A-03	0-6	29.7	20	18.6	40	yes	
A	613-A-03	6-12	29.9	20	31.0	40	yes	
A	613-A-03	12-18	39.2	60	66.3	150		
A	613-A-03	18-24	19.8	60	33.5	150		
A	613-A-04	0-6	29.7	20	29.0	40	yes	
A	613-A-04	6-12	29.9	20	19.0	40	yes	
A	613-A-04	12-18	39.2	60	38.5	150		
A	613-A-04	18-24	19.8	60	43.8	150		
A	613-A-05	0-6	29.7	20	27.0	40	yes	
A	613-A-05	6-12	29.9	20	30.0	40	yes	
A	613-A-05	12-18	39.2	60	38.2	150		
A	613-A-05	18-24	19.8	60	4.6	150		
B	613-B-01	0-6	22.5	20	14.7	40	yes	
B	613-B-01	6-12	20.0	20	15.4	40		
B	613-B-01	12-18	25.5	60	17.9	150		
B	613-B-01	18-24	25.4	60	34.8	150		
B	613-B-02	0-6	22.5	20	38.0	40	yes	
B	613-B-02	6-12	20.0	20	29.0	40		
B	613-B-02	12-18	25.5	60	63.1	150		
B	613-B-02	18-24	25.4	60	52.8	150		
DU	Sample ID	Horizon Depth (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
B	613-B-03	0-6	22.5	20	22.0	40	yes	
B	613-B-03	6-12	20.0	20	38.0	40		
B	613-B-03	12-18	25.5	60	35.3	150		
B	613-B-03	18-24	25.4	60	22.0	150		
B	613-B-04	0-6	22.5	20	25.1	40	yes	
B	613-B-04	6-12	20.0	20	10.9	40		
B	613-B-04	12-18	25.5	60	5.2	150		

B	613-B-04	18-24	25.4	60	11.3	150		
B	613-B-05	0-6	22.5	20	12.9	40	yes	
B	613-B-05	6-12	20.0	20	6.5	40		
B	613-B-05	12-18	25.5	60	6.1	150		
B	613-B-05	18-24	25.4	60	6.0	150		

<LOD = less than the limit of detection

DU = decision unit

ICP-MS = inductively coupled plasma - mass spectrometry

ID = identification

n/a = not applicable

ppm = parts per million

XRF = x-ray fluorescence

Notes:

There are no data qualifiers in this dataset.

Results in bold were analyzed by ICP-MS per EPA 6020.

All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

Discrete sample results and the average concentration for the DU at a depth horizon are
na below action limits.

maximum Dig decision based on a discrete sample result exceeding the action limit.

average Dig decision based on the average concentration for the DU at the depth horizon
exceeding the action limit.

maximum & average Dig decision based on a discrete sample result and the average concentration for the DU
exceeding action limits.

Property Tax ID: 438718800900
 Property Address: 913 Pine St.

DU - A (6759 sq ft)	0-6"	6-12"	12-18"	18-24"
Dig Decision	Dig	Dig	No Dig	No Dig
Result Determining Decision	Maximum and Average		n/a	n/a
Average	20.3	21.5	37.8	22.2
Maximum	27.0	42.0	97.0	52.4

DU	Sample ID	Horizon Depth (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	354-A-01	0-6	20.3	20	16.9	40	yes	
A	354-A-01	6-12	21.5	20	12	40	yes	
A	354-A-01	12-18	37.8	60	18.9	150		
A	354-A-01	18-24	22.2	60	13.3	150		
A	354-A-02	0-6	20.3	20	22.1	40	yes	
A	354-A-02	6-12	21.5	20	23.2	40	yes	
A	354-A-02	12-18	37.8	60	7.6	150		
A	354-A-02	18-24	22.2	60	6.3	150		
A	354-A-03	0-6	20.3	20	21.7	40	yes	
A	354-A-03	6-12	21.5	20	18	40	yes	
A	354-A-03	12-18	37.8	60	43.8	150		
A	354-A-03	18-24	22.2	60	43.3	150		
A	354-A-04	0-6	20.3	20	24.3	40	yes	
A	354-A-04	6-12	21.5	20	27	40	yes	
A	354-A-04	12-18	37.8	60	53.2	150		
A	354-A-04	18-24	22.2	60	23.4	150		
A	354-A-05	0-6	20.3	20	8.8	40	yes	
A	354-A-05	6-12	21.5	20	22.2	40	yes	
A	354-A-05	12-18	37.8	60	97	150		
A	354-A-05	18-24	22.2	60	52.4	150		
A	354-A-06	0-6	20.3	20	21.2	40	yes	
A	354-A-06	6-12	21.5	20	5.8	40	yes	
A	354-A-06	12-18	37.8	60	6.2	150		
A	354-A-06	18-24	22.2	60	9.0	150		
A	354-A-07	0-6	20.3	20	27	40	yes	
A	354-A-07	6-12	21.5	20	42	40	yes	yes
A	354-A-07	12-18	37.8	60	37.7	150		
DU	Sample ID	Horizon Depth (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	354-A-07	18-24	22.2	60	7.8	150		

<LOD = less than the limit of detection
 DU = decision unit
 ICP-MS = inductively coupled plasma - mass spectrometry
 ID = identification
 n/a = not applicable

ppm = parts per million
XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
Results in bold were analyzed by ICP-MS per EPA 6020.
All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

- na Discrete sample results and the average concentration for the DU at a depth horizon are below action limits.
- maximum Dig decision based on a discrete sample result exceeding the action limit.
- average Dig decision based on the average concentration for the DU at the depth horizon exceeding the action limit.
- maximum & average Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 00438718802400
Property Address: 918 Maple Street

Decision Unit - A (4,324 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 12 inches of soil			
Results Determining Decision	Maximum & Average			
Average (Result/ Action Limit)	37/20	31/20	28/60	35/60
Sample (Result/ Action Limit)	54/40	51/40	59/150	91/150

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	362-A-01-A-1	0 - 6	37	20	30	40	Yes	
A	362-A-02-A-1	0 - 6	37	20	26.6	40	Yes	
A	362-A-03-A-1	0 - 6	37	20	31	40	Yes	
A	362-A-04-A-1	0 - 6	37	20	38	40	Yes	
A	362-A-05-A-1	0 - 6	37	20	41	40	Yes	Yes
A	362-A-06-A-1	0 - 6	37	20	54	40	Yes	Yes
A	362-A-01-B-1	6 - 12	31	20	23.8	40	Yes	
A	362-A-02-B-1	6 - 12	31	20	22.4	40	Yes	
A	362-A-03-B-1	6 - 12	31	20	13.9	40	Yes	
A	362-A-04-B-1	6 - 12	31	20	51	40	Yes	Yes
A	362-A-05-B-2	6 - 12	31	20	40	40	Yes	
A	362-A-06-B-1	6 - 12	31	20	32	40	Yes	
A	362-A-01-C-1	12 - 18	28	60	11.5	150		
A	362-A-02-C-1	12 - 18	28	60	15.4	150		
A	362-A-03-C-1	12 - 18	28	60	5.7	150		
Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	362-A-04-C-1	12 - 18	28	60	59	150		
A	362-A-05-C-1	12 - 18	28	60	30.6	150		
A	362-A-06-C-1	12 - 18	28	60	45	150		
A	362-A-01-D-1	18 - 24	35	60	16.7	150		
A	362-A-02-D-1	18 - 24	35	60	8	150		
A	362-A-03-D-1	18 - 24	35	60	7	150		

A	362-A-04-D-1	18 - 24	35	60	91	150		
A	362-A-05-D-1	18 - 24	35	60	22	150		
A	362-A-06-D-1	18 - 24	35	60	64	150		

Key:

<LOD = less than the limit of detection

DU = decision unit

ICP-MS = inductively coupled plasma - mass spectrometry

ID = identification

n/a = not applicable

ppm = parts per million

XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
 Results in bold were analyzed by ICP-MS per EPA 6020.
 All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

- N/A Discrete sample results and the average concentration for the DU at a depth
- Maximum Dig decision based on a discrete sample result exceeding the action limit.
- Average Dig decision based on the average concentration for the DU at the depth
- Maximum & Average Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 00438718801200

Property Address: 925 Pine St

DU - A (4,620 sq ft)	0-6"	6-12"	12-18"	18-24"
Dig Decision	Dig	Dig	No Dig	No Dig
Result Determining Decision	Average	Maximum and Average	n/a	n/a
Average (Result/Action Limit)	25.6/20	38.5/20	26.0/60	7.2/60
Maximum (Result/Action Limit)	36.0/40	59.0/40	61.0/150	9.7/150

DU	Sample ID	Depth Horizon (inches)	Arsenic (ppm)				Sample Exceeds Action Limit	Average Exceeds Action Limit
			Sample Result	Sample Action Limit	Average Result for DU at Depth	Average Action Limit		
A	355-A-1	0-6	7.4	40	25.6	20		yes
A	355-A-2	0-6	16	40	25.6	20		yes
A	355-A-3	0-6	24	40	25.6	20		yes
A	355-A-4	0-6	36	40	25.6	20		yes
A	355-A-5	0-6	28	40	25.6	20		yes
A	355-A-6	0-6	31.6	40	25.6	20		yes
A	355-A-7	0-6	29.6	40	25.6	20		yes
A	355-A-8	0-6	32.0	40	25.6	20		yes
A	355-A-1	6-12	23.8	40	38.5	20		yes
A	355-A-2	6-12	24	40	38.5	20		yes
A	355-A-3	6-12	47	40	38.5	20	yes	yes
A	355-A-4	6-12	41	40	38.5	20	yes	yes
A	355-A-5	6-12	24	40	38.5	20		yes
A	355-A-6	6-12	53.4	40	38.5	20	yes	yes
A	355-A-7	6-12	35.7	40	38.5	20		yes
A	355-A-8	6-12	59.0	40	38.5	20	yes	yes
A	355-A-1	12-18	33.6	150	26.0	60		
A	355-A-2	12-18	22.1	150	26.0	60		
A	355-A-3	12-18	59.4	150	26.0	60		
A	355-A-4	12-18	7.6	150	26.0	60		
A	355-A-5	12-18	61	150	26.0	60		
A	355-A-6	12-18	6.2	150	26.0	60		
A	355-A-7	12-18	9.2	150	26.0	60		
A	355-A-8	12-18	8.8	150	26.0	60		
A	355-A-1	18-24	R	150	7.2	60		
A	355-A-2	18-24	7.7	150	7.2	60		
A	355-A-3	18-24	9.7	150	7.2	60		
A	355-A-4	18-24	4.5	150	7.2	60		
A	355-A-5	18-24	7.9	150	7.2	60		
A	355-A-6	18-24	6.3	150	7.2	60		
A	355-A-7	18-24	5.5	150	7.2	60		
A	355-A-8	18-24	8.5	150	7.2	60		

<LOD = less than the limit of detection. LOD results not included in horizon average.

DU = decision unit

ICP-MS = inductively coupled plasma - mass spectrometry

ID = identification

n/a = not applicable

ppm = parts per million

XRF = x-ray fluorescence

R = sample not collected due to refusal

Notes:

There are no data qualifiers in this dataset.

Results in bold were analyzed by ICP-MS per EPA 6020.

All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

n/a Discrete sample results and the average concentration for the DU at a depth horizon are below action limits.

Maximum Dig decision based on a discrete sample result exceeding the action limit.

Average Dig decision based on the average concentration for the DU at the depth horizon exceeding the action limit.

Maximum and Average Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 438719200003
 Property Address: 1001 Maple St.

DU - A (5509 sq ft)	0-6"	6-12"	12-18"	18-24"
Dig Decision	Dig	Dig	No Dig	No Dig
Result Determining Decision	Average		n/a	n/a
Average	28.4	25.5	23.1	18.7
Maximum	37.0	36.0	48.7	49.0

DU	Sample ID	Horizon Depth (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	384-A-01	0-6	28.4	20	22	40	yes	
A	384-A-01	6-12	25.5	20	36	40	yes	
A	384-A-01	12-18	23.1	60	17.7	150		
A	384-A-01	18-24	18.7	60	12.5	150		
A	384-A-02	0-6	28.4	20	24	40	yes	
A	384-A-02	6-12	25.5	20	32	40	yes	
A	384-A-02	12-18	23.1	60	48.7	150		
A	384-A-02	18-24	18.7	60	29.2	150		
A	384-A-03	0-6	28.4	20	25	40	yes	
A	384-A-03	6-12	25.5	20	16	40	yes	
A	384-A-03	12-18	23.1	60	9.7	150		
A	384-A-03	18-24	18.7	60	6.3	150		
A	384-A-04	0-6	28.4	20	25	40	yes	
A	384-A-04	6-12	25.5	20	29	40	yes	
A	384-A-04	12-18	23.1	60	19	150		
A	384-A-04	18-24	18.7	60	14.4	150		
A	384-A-05-A	0-6	28.4	20	22.8	40	yes	
A	384-A-05-BD	6-12	25.5	20	18.8	40	yes	
A	384-A-05-BD	12-18	23.1	60	39	150		
A	384-A-05-BD	18-24	18.7	60	49	150		
A	384-A-06	0-6	28.4	20	36	40	yes	
A	384-A-06	6-12	25.5	20	13	40	yes	
A	384-A-06	12-18	23.1	60	12.1	150		
A	384-A-06	18-24	18.7	60	8	150		
A	384-A-07	0-6	28.4	20	35	40	yes	
A	384-A-07	6-12	25.5	20	33	40	yes	
A	384-A-07	12-18	23.1	60	16	150		
A	384-A-07	18-24	18.7	60	11.4	150		
A	384-A-08	0-6	28.4	20	37	40	yes	
A	384-A-08	6-12	25.5	20	26	40	yes	
A	384-A-08	12-18	23.1	60	22.5	150		
A	384-A-08	18-24	18.7	60	18.5	150		

<LOD = less than the limit of detection
 DU = decision unit
 ICP-MS = inductively coupled plasma - mass spectrometry
 ID = identification
 n/a = not applicable
 ppm = parts per million
 XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
Results in bold were analyzed by ICP-MS per EPA 6020.
 All other results were analyzed by XRF per EPA 6200.
 Sample 384-A-05: unable to dig past 6 inches due to rocks and gravel, moved one foot east to collect samples from 6-12, 12-18, and 18-24 inches

DU Results Determining Dig Decisions

- Discrete sample results and the average concentration for the DU at a depth horizon
na are below action limits.
- maximum Dig decision based on a discrete sample result exceeding the action limit.
- average Dig decision based on the average concentration for the DU at the depth horizon
exceeding the action limit.
- maximum & average Dig decision based on a discrete sample result and the average concentration for the
DU exceeding action limits.

Property Tax ID: 00438719200004
 Property Address: 1002 East Marine View Drive

Decision Unit - A (5,146 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 12 inches of soil			
Results Determining Decision	Maximum & Average			
Average (Result/ Action Limit)	N/A	52/20	50/60	45/60
Sample (Result/ Action Limit)	N/A	100/40	150/150	87/150

Decision Unit - B (5,092 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 12 inches of soil			
Results Determining Decision	Maximum & Average			
Average (Result/ Action Limit)	N/A	55/20	37/60	24/60
Sample (Result/ Action Limit)	N/A	63/40	63/150	33.9/150

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	393-A-01-B-1	6 - 12	52	20	100	40	Yes	Yes
A	393-A-02-B-2	6 - 12	52	20	94	40	Yes	Yes
A	393-A-03-B-1	6 - 12	52	20	46.2	40	Yes	Yes
A	393-A-04-B-1	6 - 12	52	20	9.2	40	Yes	
A	393-A-05-B-1	6 - 12	52	20	53.8	40	Yes	Yes
A	393-A-06-B-1	6 - 12	52	20	32.1	40	Yes	
A	393-A-07-B-1	6 - 12	52	20	28.3	40	Yes	
A	393-A-08-B-1	6 - 12	52	20	49	40	Yes	Yes
A	393-A-01-C-1	12 - 18	50	60	150	150		
A	393-A-02-C-2	12 - 18	50	60	77	150		
A	393-A-03-C-1	12 - 18	50	60	32.8	150		
A	393-A-04-C-1	12 - 18	50	60	9.1	150		
A	393-A-05-C-1	12 - 18	50	60	57.8	150		
A	393-A-06-C-1	12 - 18	50	60	18.7	150		
Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	393-A-07-C-1	12 - 18	50	60	28.2	150		
A	393-A-08-C-1	12 - 18	50	60	27.7	150		
A	393-A-01-D-1	18 - 24	45	60	81	150		
A	393-A-02-D-1	18 - 24	45	60	87	150		
A	393-A-04-D-1	18 - 24	45	60	30.7	150		
A	393-A-05-D-1	18 - 24	45	60	25.6	150		

A	393-A-06-D-1	18 - 24	45	60	25.5	150		
A	393-A-07-D-1	18 - 24	45	60	42.3	150		
A	393-A-08-D-1	18 - 24	45	60	19.6	150		
B	393-B-01-B-1	6 - 12	55	20	63	40	Yes	Yes
B	393-B-02-B-1	6 - 12	55	20	56.3	40	Yes	Yes
B	393-B-05-B-1	6 - 12	55	20	47	40	Yes	Yes
B	393-B-01-C-1	12 - 18	37	60	37.6	150		
B	393-B-02-C-1	12 - 18	37	60	44.5	150		
B	393-B-03-C-1	12 - 18	37	60	10.7	150		
B	393-B-04-C-1	12 - 18	37	60	27.6	150		
B	393-B-05-C-1	12 - 18	37	60	45.1	150		
B	393-B-06-C-2	12 - 18	37	60	63	150		
B	393-B-07-C-1	12 - 18	37	60	39.2	150		
B	393-B-08-C-1	12 - 18	37	60	28.7	150		
B	393-B-01-D-1	18 - 24	24	60	33.9	150		
B	393-B-02-D-1	18 - 24	24	60	28.6	150		
B	393-B-04-D-1	18 - 24	24	60	13.3	150		
B	393-B-05-D-1	18 - 24	24	60	33.6	150		
B	393-B-06-D-1	18 - 24	24	60	19.8	150		
B	393-B-07-D-1	18 - 24	24	60	15	150		
B	393-B-08-D-1	18 - 24	24	60	25.8	150		

Key:

DU = decision unit

ICPMS = inductively coupled plasma - mass spectrometry

ID = identification

N/A = not applicable

ppm = parts per million

XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
 Results in bold were analyzed by ICP-MS per EPA 6020.
 All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

N/A	Discrete sample results and the average concentration for the DU at a
Maximum	Dig decision based on a discrete sample result exceeding the action limit.
Average	Dig decision based on the average concentration for the DU at the depth
Maximum & Average	Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 00438719303300
Property Address: 1002 Maple Street

Decision Unit - A (2,561 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 12 inches of soil			
Results Determining Decision	Maximum & Average			
Average (Result/ Action Limit)	N/A	26/20	27/60	16/60
Sample (Result/ Action Limit)	N/A	41/40	53/150	30/150

Decision Unit - B (4,202 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 12 inches of soil			
Results Determining Decision	Maximum & Average			
Average (Result/ Action Limit)	N/A	31/20	25/60	15/60
Sample (Result/ Action Limit)	N/A	50/40	33.2/150	21.5/150

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	376-A-01-B-1	6 - 12	26	20	30.2	40	Yes	
A	376-A-01-B-2	6 - 12	26	20	26	40	Yes	
A	376-A-02-B-1	6 - 12	26	20	13.8	40	Yes	
A	376-A-03-B-1	6 - 12	26	20	25.6	40	Yes	
A	376-A-04-B-1	6 - 12	26	20	41	40	Yes	Yes
A	376-A-05-B-1	6 - 12	26	20	16.8	40	Yes	
A	376-A-01-C-1	12 - 18	27	60	29	150		
A	376-A-02-C-1	12 - 18	27	60	20.8	150		
A	376-A-03-C-1	12 - 18	27	60	53	150		
A	376-A-04-C-1	12 - 18	27	60	23.8	150		
A	376-A-05-C-1	12 - 18	27	60	7.2	150		
A	376-A-01-D-1	18 - 24	16	60	12.1	150		
A	376-A-02-D-1	18 - 24	16	60	30	150		
A	376-A-03-D-1	18 - 24	16	60	15	150		
Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	376-A-04-D-1	18 - 24	16	60	14.7	150		
A	376-A-05-D-1	18 - 24	16	60	8.6	150		
B	376-B-01-B-1	6 - 12	31	20	16.5	40	Yes	
B	376-B-02-B-1	6 - 12	31	20	17.4	40	Yes	
B	376-B-03-B-1	6 - 12	31	20	50	40	Yes	Yes
B	376-B-03-B-2	6 - 12	31	20	45	40	Yes	Yes

B	376-B-04-B-1	6 - 12	31	20	30.7	40	Yes	
B	376-B-05-B-1	6 - 12	31	20	31.5	40	Yes	
B	376-B-06-B-1	6 - 12	31	20	42	40	Yes	Yes
B	376-B-01-C-1	12 - 18	25	60	20.5	150		
B	376-B-03-C-1	12 - 18	25	60	27.5	150		
B	376-B-04-C-1	12 - 18	25	60	33.2	150		
B	376-B-05-C-1	12 - 18	25	60	17.5	150		
B	376-B-06-C-1	12 - 18	25	60	26	150		
B	376-B-01-D-1	18 - 24	15	60	16.1	150		
B	376-B-03-D-1	18 - 24	15	60	14	150		
B	376-B-04-D-1	18 - 24	15	60	12.5	150		
B	376-B-05-D-1	18 - 24	15	60	10.1	150		
B	376-B-06-D-1	18 - 24	15	60	21.5	150		

Key:

<LOD = less than the limit of detection

DU = decision unit

ICPMS = inductively coupled plasma - mass spectrometry

ID = identification

N/A = not applicable

ppm = parts per million

XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
Results in bold were analyzed by ICP-MS per EPA 6020.
All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

- N/A Discrete sample results and the average concentration for the DU at a
- Maximum Dig decision based on a discrete sample result exceeding the action limit.
- Average Dig decision based on the average concentration for the DU at the depth
- Maximum & Average Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 00438719200014
 Property Address: 1005 Maple St

DU - A (4,905 sq ft)	0-6"	6-12"	12-18"	18-24"
Dig Decision	Dig	Dig	Dig	Dig
Result Determining Decision	Maximum and Average		n/a	Maximum
Average (Result/Action Limit)	31.3/20	50.4/20	20.2/60	43.3/60
Maximum (Result/Action Limit)	48.8/40	91.8/40	44.9/150	164.7/150

DU	Sample ID	Depth Horizon (inches)	Arsenic (ppm)				Sample Exceeds Action Limit	Average Exceeds Action Limit
			Sample Result	Sample Action Limit	Average Result for DU at Depth	Average Action Limit		
A	385-A-1	0-6	29.4	40	31.3	20		yes
A	385-A-2	0-6	19.3	40	31.3	20		yes
A	385-A-3	0-6	13.0	40	31.3	20		yes
A	385-A-4	0-6	46.1	40	31.3	20	yes	yes
A	385-A-5	0-6	48.8	40	31.3	20	yes	yes
A	385-A-6	0-6	30.9	40	31.3	20		yes
A	385-A-1	6-12	70.3	40	50.4	20	yes	yes
A	385-A-2	6-12	11.3	40	50.4	20		yes
A	385-A-3	6-12	28	40	50.4	20		yes
A	385-A-4	6-12	38.7	40	50.4	20		yes
A	385-A-5	6-12	62.3	40	50.4	20	yes	yes
A	385-A-6	6-12	91.8	40	50.4	20	yes	yes
A	385-A-1	12-18	22.0	150	20.2	60		
A	385-A-2	12-18	10.5	150	20.2	60		
A	385-A-3	12-18	44.9	150	20.2	60		
A	385-A-4	12-18	6.0	150	20.2	60		
A	385-A-5	12-18	14.8	150	20.2	60		
A	385-A-6	12-18	22.8	150	20.2	60		
A	385-A-1	18-24	19.9	150	43.3	60		
A	385-A-2	18-24	164.7	150	43.3	60	yes	
A	385-A-3	18-24	14.8	150	43.3	60		
A	385-A-4	18-24	6.7	150	43.3	60		
A	385-A-5	18-24	R	150	43.3	60		
A	385-A-6	18-24	10.2	150	43.3	60		

<LOD = less than the limit of detection. LOD results not included in horizon average.

DU = decision unit

ICP-MS = inductively coupled plasma - mass spectrometry

ID = identification

n/a = not applicable

ppm = parts per million

XRF = x-ray fluorescence

R = sample not collected due to refusal

Notes:

There are no data qualifiers in this dataset.

Results in bold were analyzed by ICP-MS per EPA 6020.

All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

n/a	Discrete sample results and the average concentration for the DU at a depth horizon are below action limits.
Maximum	Dig decision based on a discrete sample result exceeding the action limit.
Average	Dig decision based on the average concentration for the DU at the depth horizon exceeding the action limit.
Maximum and Average	Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 438719300500
Property Address: 1005 Pine St

DU - A (4387 sq ft)	0-6"	6-12"	12-18"	18-24"
Dig Decision	Dig	No Dig	No Dig	No Dig
Result Determining Decision	Average	n/a	n/a	n/a
Average	23.6	19.9	26.9	18.8
Maximum	34.0	27.0	46.9	44.7

DU	Sample ID	Horizon Depth (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	369-A-01	0-6	23.6	20	34.0	40	yes	
A	369-A-01	6-12	19.9	20	26.0	40		
A	369-A-01	12-18	26.9	60	6.3	150		
A	369-A-01	18-24	18.8	60	8.2	150		
A	369-A-02	0-6	23.6	20	20.4	40	yes	
A	369-A-02	6-12	19.9	20	17.0	40		
A	369-A-02	12-18	26.9	60	41.8	150		
A	369-A-02	18-24	18.8	60	44.7	150		
A	369-A-03	0-6	23.6	20	19.0	40	yes	
A	369-A-03	6-12	19.9	20	21.0	40		
A	369-A-03	12-18	26.9	60	28.5	150		
A	369-A-03	18-24	18.8	60	13.4	150		
A	369-A-04	0-6	23.6	20	29.0	40	yes	
A	369-A-04	6-12	19.9	20	12.5	40		
A	369-A-04	12-18	26.9	60	8.0	150		
A	369-A-04	18-24	18.8	60	6.1	150		
A	369-A-05	0-6	23.6	20	19.0	40	yes	
A	369-A-05	6-12	19.9	20	15.7	40		
A	369-A-05	12-18	26.9	60	29.8	150		
A	369-A-05	18-24	18.8	60	22.9	150		
A	369-A-06	0-6	23.6	20	20.1	40	yes	
A	369-A-06	6-12	19.9	20	27.0	40		
A	369-A-06	12-18	26.9	60	46.9	150		
A	369-A-06	18-24	18.8	60	17.3	150		

<LOD = less than the limit of detection

DU = decision unit

ICP-MS = inductively coupled plasma - mass spectrometry

ID = identification

n/a = not applicable

ppm = parts per million

XRF = x-ray fluorescence

Notes:

There are no data qualifiers in this dataset.

Results in bold were analyzed by ICP-MS per EPA 6020.

All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

Discrete sample results and the average concentration for the DU at a depth horizon are below action limits.

maximum Dig decision based on a discrete sample result exceeding the action limit.

average Dig decision based on the average concentration for the DU at the depth horizon exceeding the action limit.

maximum & average Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 00438719300700
 Property Address: 1007 Pine Street

Decision Unit - A (3,923 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 12 inches of soil			
Results Determining Decision	Average			
Average (Result/ Action Limit)	N/A	25/20	19/60	15/60
Sample (Result/ Action Limit)	N/A	34/40	29.1/150	32.7/150

Decision Unit - B (1,970 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	No Dig			
Results Determining Decision	N/A			
Average (Result/ Action Limit)	11/20	18/20	25/60	20/60
Sample (Result/ Action Limit)	25.6/40	27/40	32.5/150	35/150

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	370-A-01-B-1	6 - 12	25	20	34	40	Yes	
A	370-A-02-B-1	6 - 12	25	20	26	40	Yes	
A	370-A-03-B-1	6 - 12	25	20	26.9	40	Yes	
A	370-A-03-B-2	6 - 12	25	20	24	40	Yes	
A	370-A-04-B-1	6 - 12	25	20	23.2	40	Yes	
A	370-A-05-B-1	6 - 12	25	20	13.7	40	Yes	
A	370-A-01-C-1	12 - 18	19	60	29.1	150		
A	370-A-02-C-1	12 - 18	19	60	18.6	150		
A	370-A-03-C-1	12 - 18	19	60	22	150		
A	370-A-04-C-1	12 - 18	19	60	12.2	150		
A	370-A-05-C-1	12 - 18	19	60	11.9	150		
A	370-A-01-D-1	18 - 24	15	60	7.1	150		
A	370-A-02-D-1	18 - 24	15	60	8.1	150		
A	370-A-03-D-1	18 - 24	15	60	32.7	150		
Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	370-A-04-D-1	18 - 24	15	60	14.2	150		
A	370-A-05-D-1	18 - 24	15	60	11.3	150		
B	370-B-01-A-1	0 - 6	11	20	25.6	40		
B	370-B-02-A-1	0 - 6	11	20	10.2	40		
B	370-B-03-A-1	0 - 6	11	20	6.8	40		
B	370-B-04-A-1	0 - 6	11	20	8.1	40		

B	370-B-05-A-1	0 - 6	11	20	4.4	40		
B	370-B-01-B-2	6 - 12	18.0	20	25	40		
B	370-B-02-B-1	6 - 12	18.0	20	5.2	40		
B	370-B-03-B-1	6 - 12	18.0	20	16.5	40		
B	370-B-04-B-1	6 - 12	18.0	20	18	40		
B	370-B-05-B-1	6 - 12	18.0	20	27	40		
B	370-B-01-C-1	12 - 18	25	60	32.5	150		
B	370-B-02-C-1	12 - 18	25	60	22.4	150		
B	370-B-03-C-1	12 - 18	25	60	31.7	150		
B	370-B-04-C-1	12 - 18	25	60	32.3	150		
B	370-B-05-C-1	12 - 18	25	60	5.2	150		
B	370-B-01-D-1	18 - 24	20	60	23.1	150		
B	370-B-02-D-1	18 - 24	20	60	20.5	150		
B	370-B-03-D-1	18 - 24	20	60	35	150		
B	370-B-04-D-1	18 - 24	20	60	10.1	150		
B	370-B-05-D-1	18 - 24	20	60	12.8	150		

Key:

<LOD = less than the limit of detection

DU = decision unit

ICPMS = inductively coupled plasma - mass spectrometry

ID = identification

N/A = not applicable

ppm = parts per million

XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
Results in bold were analyzed by ICP-MS per EPA 6020.
All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

N/A	Discrete sample results and the average concentration for the DU at a
Maximum	Dig decision based on a discrete sample result exceeding the action limit.
Average	Dig decision based on the average concentration for the DU at the depth
Maximum & Average	Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 00438719303000
Property Address: 1008 Maple Street

Decision Unit - A (3,737 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 12 inches of soil			
Results Determining Decision	Maximum & Average			
Average (Result/ Action Limit)	N/A	30/20	18/60	10/60
Sample (Result/ Action Limit)	N/A	64.1/40	23.7/150	14.9/150

Decision Unit - B (4,062 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 12 inches of soil			
Results Determining Decision	Maximum & Average			
Average (Result/ Action Limit)	N/A	33/20	24/60	17/60
Sample (Result/ Action Limit)	N/A	46/40	39/150	32.5/150

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	377-A-01-B-1	6 - 12	30	20	20.5	40	Yes	
A	377-A-02-B-1	6 - 12	30	20	21.4	40	Yes	
A	377-A-03-B-1	6 - 12	30	20	11.5	40	Yes	
A	377-A-04-B-1	6 - 12	30	20	64.1	40	Yes	Yes
A	377-A-05-B-1	6 - 12	30	20	32	40	Yes	
A	377-A-01-C-1	12 - 18	18	60	18	150		
A	377-A-02-C-1	12 - 18	18	60	14.8	150		
Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	377-A-03-C-1	12 - 18	18	60	18.1	150		
A	377-A-04-C-1	12 - 18	18	60	23.7	150		
A	377-A-05-C-1	12 - 18	18	60	12.8	150		
A	377-A-01-D-1	18 - 24	10	60	11.2	150		
A	377-A-02-D-1	18 - 24	10	60	7.8	150		
A	377-A-03-D-1	18 - 24	10	60	6.2	150		

A	377-A-04-D-1	18 - 24	10	60	14.9	150		
A	377-A-05-D-1	18 - 24	10	60	11.8	150		
B	377-B-01-B-1	6 - 12	33	20	19.1	40	Yes	
B	377-B-02-B-1	6 - 12	33	20	46	40	Yes	Yes
B	377-B-01-C-1	12 - 18	24	60	11.9	150		
B	377-B-01-C-2	12 - 18	24	60	11.6	150		
B	377-B-02-C-1	12 - 18	24	60	39	150		
B	377-B-03-C-1	12 - 18	24	60	25.8	150		
B	377-B-04-C-1	12 - 18	24	60	11.8	150		
B	377-B-05-C-1	12 - 18	24	60	18.6	150		
B	377-B-06-C-1	12 - 18	24	60	35.5	150		
B	377-B-01-D-1	18 - 24	17	60	12.6	150		
B	377-B-02-D-1	18 - 24	17	60	27.1	150		
B	377-B-03-D-1	18 - 24	17	60	10.8	150		
B	377-B-04-D-1	18 - 24	17	60	6.6	150		
B	377-B-05-D-1	18 - 24	17	60	14.6	150		
B	377-B-06-D-1	18 - 24	17	60	32.5	150		

Key:

<LOD = less than the limit of detection

DU = decision unit

ICPMS = inductively coupled plasma - mass spectrometry

ID = identification

N/A = not applicable

ppm = parts per million

XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
 Results in bold were analyzed by ICP-MS per EPA 6020.
 All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

- N/A Discrete sample results and the average concentration for the DU at a
- Maximum Dig decision based on a discrete sample result exceeding the action limit.
- Average Dig decision based on the average concentration for the DU at the dep
- Maximum & Average Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 00438719300900
 Property Address: 1009 Pine Street

Decision Unit - A (6,080 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 12 inches of soil			
Results Determining Decision	Average			
Average (Result/ Action Limit)	N/A	23/20	14/60	8.8/60
Sample (Result/ Action Limit)	N/A	32/40	28.9/150	15.1/150

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	371-A-01-B-1	6 - 12	23	20	29	40	Yes	
A	371-A-01-B-2	6 - 12	23	20	30.3	40	Yes	
A	371-A-02-B-1	6 - 12	23	20	25.8	40	Yes	
A	371-A-03-B-1	6 - 12	23	20	8.9	40	Yes	
A	371-A-04-B-1	6 - 12	23	20	32	40	Yes	
A	371-A-05-B-1	6 - 12	23	20	19.6	40	Yes	
A	371-A-06-B-1	6 - 12	23	20	32	40	Yes	
A	371-A-07-B-1	6 - 12	23	20	27.2	40	Yes	
A	371-A-08-B-1	6 - 12	23	20	16.2	40	Yes	
A	371-A-09-B-1	6 - 12	23	20	15.6	40	Yes	
A	371-A-01-C-1	12 - 18	14	60	28.5	150		
A	371-A-02-C-1	12 - 18	14	60	28.9	150		
A	371-A-02-C-2	12 - 18	14	60	23.5	150		
A	371-A-03-C-1	12 - 18	14	60	7.3	150		
A	371-A-04-C-1	12 - 18	14	60	11	150		
A	371-A-05-C-1	12 - 18	14	60	6.7	150		
A	371-A-06-C-1	12 - 18	14	60	8.8	150		
A	371-A-07-C-1	12 - 18	14	60	19.5	150		
A	371-A-08-C-1	12 - 18	14	60	7.7	150		
A	371-A-09-C-1	12 - 18	14	60	10.8	150		
A	371-A-01-D-1	18 - 24	8.8	60	15.1	150		
Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	371-A-02-D-1	18 - 24	8.8	60	12.8	150		
A	371-A-03-D-1	18 - 24	8.8	60	4.4	150		
A	371-A-04-D-1	18 - 24	8.8	60	6.2	150		
A	371-A-05-D-1	18 - 24	8.8	60	6	150		
A	371-A-06-D-1	18 - 24	8.8	60	9.9	150		
A	371-A-07-D-1	18 - 24	8.8	60	12.2	150		

A	371-A-08-D-1	18 - 24	8.8	60	4.6	150		
A	371-A-09-D-1	18 - 24	8.8	60	7.8	150		

Key:

<LOD = less than the limit of detection

DU = decision unit

ICP-MS = inductively coupled plasma - mass spectrometry

ID = identification

N/A = not applicable

ppm = parts per million

XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
 Results in bold were analyzed by ICP-MS per EPA 6020.
 All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

N/A	Discrete sample results and the average concentration for the DU at a
Maximum	Dig decision based on a discrete sample result exceeding the action limit.
Average	Dig decision based on the average concentration for the DU at the depth
Maximum & Average	Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 00438719200017
Property Address: 1011 Maple Street

Decision Unit - A (4,634 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 6 inches of soil			
Results Determining Decision	Maximum & Average			
Average (Result/ Action Limit)	24/20	16/20	50/60	23/60
Sample (Result/ Action Limit)	56/40	28/40	140/150	43.9/150

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	386-A-01-A-1	0 - 6	24	20	6	40	Yes	
A	386-A-02-A-1	0 - 6	24	20	56	40	Yes	Yes
A	386-A-03-A-1	0 - 6	24	20	19.6	40	Yes	
A	386-A-04-A-1	0 - 6	24	20	26.2	40	Yes	
A	386-A-05-A-1	0 - 6	24	20	22.8	40	Yes	
A	386-A-06-A-1	0 - 6	24	20	26.2	40	Yes	
A	386-A-07-A-1	0 - 6	24	20	13.7	40	Yes	
A	386-A-01-B-1	6 - 12	16	20	15.7	40		
A	386-A-02-B-1	6 - 12	16	20	18.6	40		
A	386-A-03-B-1	6 - 12	16	20	13.8	40		
A	386-A-04-B-1	6 - 12	16	20	10.6	40		
A	386-A-05-B-1	6 - 12	16	20	18.4	40		
A	386-A-06-B-1	6 - 12	16	20	28	40		
A	386-A-07-B-1	6 - 12	16	20	8.9	40		
Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	386-A-01-C-1	12 - 18	50	60	8.1	150		
A	386-A-02-C-1	12 - 18	50	60	6.7	150		
A	386-A-03-C-1	12 - 18	50	60	124	150		
A	386-A-04-C-1	12 - 18	50	60	140	150		
A	386-A-05-C-1	12 - 18	50	60	67.1	150		
A	386-A-06-C-1	12 - 18	50	60	23.6	150		

A	386-A-06-C-1	12 - 18	50	60	24.8	150		
A	386-A-07-C-1	12 - 18	50	60	3.9	150		
A	386-A-01-D-1	18 - 24	23	60	7.9	150		
A	386-A-02-D-1	18 - 24	23	60	12.2	150		
A	386-A-03-D-1	18 - 24	23	60	21	150		
A	386-A-04-D-1	18 - 24	23	60	40.9	150		
A	386-A-05-D-1	18 - 24	23	60	28.8	150		
A	386-A-06-D-1	18 - 24	23	60	43.9	150		
A	386-A-07-D-1	18 - 24	23	60	4.9	150		

Key:

<LOD = less than the limit of detection

DU = decision unit

ICPMS = inductively coupled plasma - mass spectrometry

ID = identification

N/A = not applicable

ppm = parts per million

XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
 Results in bold were analyzed by ICP-MS per EPA 6020.
 All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

- N/A Discrete sample results and the average concentration for the DU at a
- Maximum Dig decision based on a discrete sample result exceeding the action limit.
- Average Dig decision based on the average concentration for the DU at the depth
- Maximum & Dig decision based on a discrete sample result and the average
- Average concentration for the DU exceeding action limits.

Property Tax ID: 00438719301100

Property Address: 1011 Pine Street

Decision Unit - A (5,979 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 12 inches of soil			
Results Determining Decision	Maximum & Average			
Average (Result/ Action Limit)	20/20	24/20	22/60	20/60
Sample (Result/ Action Limit)	19.7/40	49/40	33.6/150	35.1/150

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	372-B-01-A-1*	0 - 6	na	20	19.7	40	Yes	
A	372-A-01-B-1	6 - 12	24	20	24.7	40	Yes	
A	372-A-02-B-1	6 - 12	24	20	22.6	40	Yes	
A	372-A-03-B-1	6 - 12	24	20	5.9	40	Yes	
A	372-A-04-B-1	6 - 12	24	20	49	40	Yes	Yes
A	372-A-05-B-1	6 - 12	24	20	12.1	40	Yes	
A	372-B-01-B-1*	6 - 12	24	20	31.5	40	Yes	
A	372-A-01-C-1	12 - 18	22	60	22	150		
A	372-A-02-C-1	12 - 18	22	60	17.2	150		
A	372-A-03-C-1	12 - 18	22	60	7.1	150		
A	372-A-04-C-1	12 - 18	22	60	29.8	150		
A	372-A-04-C-2	12 - 18	22	60	33.6	150		
A	372-A-05-C-1	12 - 18	22	60	12.1	150		
A	372-B-01-C-1*	12 - 18	22	60	32.9	150		
A	372-A-01-D-1	18 - 24	20	60	21	150		
A	372-A-02-D-1	18 - 24	20	60	17.8	150		
A	372-A-03-D-1	18 - 24	20	60	5.9	150		
A	372-A-04-D-1	18 - 24	20	60	23.3	150		
A	372-A-05-D-1	18 - 24	20	60	19.8	150		
A	372-B-01-D-1*	18 - 24	20	60	35.1	150		

Key:

- <LOD = less than the limit of detection
- DU = decision unit
- ICP-MS = inductively coupled plasma - mass spectrometry
- ID = identification
- N/A = not applicable
- ppm = parts per million
- XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
Results in bold were analyzed by ICP-MS per EPA 6020.
All other results were analyzed by XRF per EPA 6200.
*Only one boring was collected from DU-B. As such, DU-B was merged with DU-A to form one decision unit.

DU Results Determining Dig Decisions

N/A	Discrete sample results and the average concentration for the DU at a
Maximum	Dig decision based on a discrete sample result exceeding the action limit.
Average	Dig decision based on the average concentration for the DU at the depth
Maximum & Average	Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 00438719301300
 Property Address: 1013 Pine Street

Decision Unit - A (4,543 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 12 inches of soil			
Results Determining Decision	Average			
Average (Result/ Action Limit)	N/A	21/20	15/60	12/60
Sample (Result/ Action Limit)	N/A	29/40	20.5/150	16.8/150

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	373-A-01-B-1	6 - 12	21	20	23	40	Yes	
A	373-A-02-B-1	6 - 12	21	20	20.7	40	Yes	
A	373-A-03-B-1	6 - 12	21	20	21.4	40	Yes	
A	373-A-04-B-1	6 - 12	21	20	29	40	Yes	
A	373-A-05-B-1	6 - 12	21	20	18.8	40	Yes	
A	373-A-06-B-1	6 - 12	21	20	11.9	40	Yes	
A	373-A-01-C-1	12 - 18	15	60	20.5	150		
A	373-A-02-C-1	12 - 18	15	60	6.8	150		
A	373-A-03-C-1	12 - 18	15	60	15.1	150		
A	373-A-04-C-1	12 - 18	15	60	17.5	150		
A	373-A-05-C-1	12 - 18	15	60	19.4	150		
A	373-A-06-C-1	12 - 18	15	60	8.4	150		
A	373-A-01-D-1	18 - 24	12	60	16.8	150		
A	373-A-02-D-1	18 - 24	12	60	8.1	150		
A	373-A-04-D-1	18 - 24	12	60	15.4	150		
A	373-A-05-D-1	18 - 24	12	60	8.3	150		
A	373-A-06-D-1	18 - 24	12	60	9.7	150		

Key:

<LOD = less than the limit of detection
 DU = decision unit
 ICP-MS = inductively coupled plasma - mass spectrometry
 ID = identification
 N/A = not applicable
 ppm = parts per million
 XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
 Results in bold were analyzed by ICP-MS per EPA 6020.
 All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

N/A	Discrete sample results and the average concentration for the DU at a
Maximum	Dig decision based on a discrete sample result exceeding the action limit.
Average	Dig decision based on the average concentration for the DU at the depth
Maximum & Average	Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 00438719200015
Property Address: 1015 Maple Street

Decision Unit - A (4,815 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 12 inches of soil			
Results Determining Decision	Maximum & Average			
Average (Result/ Action Limit)	N/A	39/20	30/60	17/60
Sample (Result/ Action Limit)	N/A	80.6/40	47/150	35.8/150

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	387-A-01-B-1	6 - 12	39	20	28.9	40	Yes	
A	387-A-02-B-1	6 - 12	39	20	80.6	40	Yes	Yes
A	387-A-03-B-1	6 - 12	39	20	16	40	Yes	
A	387-A-04-B-1	6 - 12	39	20	62	40	Yes	Yes
A	387-A-05-B-1	6 - 12	39	20	32.4	40	Yes	
A	387-A-06-B-1	6 - 12	39	20	48.1	40	Yes	Yes
A	387-A-07-B-1	6 - 12	39	20	6.5	40	Yes	
A	387-A-01-C-1	12 - 18	30	60	18.2	150		
A	387-A-02-C-1	12 - 18	30	60	47	150		
A	387-A-03-C-1	12 - 18	30	60	34.4	150		
A	387-A-04-C-1	12 - 18	30	60	27.1	150		
A	387-A-05-C-1	12 - 18	30	60	32.4	150		
A	387-A-06-C-1	12 - 18	30	60	41.2	150		
A	387-A-07-C-1	12 - 18	30	60	6	150		
A	387-A-01-D-1	18 - 24	17	60	11.3	150		
Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	387-A-02-D-1	18 - 24	17	60	35.8	150		
A	387-A-03-D-1	18 - 24	17	60	13.7	150		
A	387-A-04-D-1	18 - 24	17	60	27.3	150		
A	387-A-05-D-1	18 - 24	17	60	13.9	150		
A	387-A-06-D-1	18 - 24	17	60	12.9	150		
A	387-A-07-D-1	18 - 24	17	60	6.7	150		

Key:

<LOD = less than the limit of detection

DU = decision unit

ICPMS = inductively coupled plasma - mass spectrometry

ID = identification

N/A = not applicable

ppm = parts per million

XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
Results in bold were analyzed by ICP-MS per EPA 6020.
All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

N/A	Discrete sample results and the average concentration for the DU at a
Maximum	Dig decision based on a discrete sample result exceeding the action limit.
Average	Dig decision based on the average concentration for the DU at the depth
Maximum & Average	Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 00438719200012
Property Address: 1017 Maple Street

Decision Unit - A (4,204 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 24 inches of soil			
Results Determining Decision	Maximum			
Average (Result/ Action Limit)	N/A	35/20	33/60	49/60
Sample (Result/ Action Limit)	N/A	120/40	67.6/150	200/150

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	388-A-01-B-1	6 - 12	35	20	6.5	40	Yes	
A	388-A-02-B-1	6 - 12	35	20	120	40	Yes	Yes
A	388-A-03-B-1	6 - 12	35	20	14.2	40	Yes	
A	388-A-04-B-1	6 - 12	35	20	10.1	40	Yes	
A	388-A-05-B-1	6 - 12	35	20	21.5	40	Yes	
A	388-A-06-B-1	6 - 12	35	20	34.4	40	Yes	
A	388-A-01-C-1	12 - 18	33	60	7.6	150		
A	388-A-02-C-1	12 - 18	33	60	67.6	150		
A	388-A-03-C-1	12 - 18	33	60	21.4	150		
A	388-A-04-C-1	12 - 18	33	60	9.3	150		
A	388-A-05-C-1	12 - 18	33	60	45.8	150		
A	388-A-06-C-1	12 - 18	33	60	48.5	150		
A	388-A-01-D-1	18 - 24	49	60	5.9	150		
A	388-A-03-D-1	18 - 24	49	60	18.5	150		
A	388-A-04-D-1	18 - 24	49	60	8.7	150		
Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	388-A-05-D-1	18 - 24	49	60	11.5	150		
A	388-A-06-D-1	18 - 24	49	60	200	150		Yes

Key:

<LOD = less than the limit of detection

DU = decision unit

ICPMS = inductively coupled plasma - mass spectrometry

ID = identification
N/A = not applicable
ppm = parts per million
XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
Results in bold were analyzed by ICP-MS per EPA 6020.
All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

N/A	Discrete sample results and the average concentration for the DU at a
Maximum	Dig decision based on a discrete sample result exceeding the action limit.
Average	Dig decision based on the average concentration for the DU at the depth
Maximum & Average	Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 00438719200007
 Property Address: 1018 East Marine View Drive

Decision Unit - A (4,629 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 12 inches of soil			
Results Determining Decision	Average			
Average (Result/ Action Limit)	N/A	21/20	24/60	17/60
Sample (Result/ Action Limit)	N/A	37/40	49.7/150	28.1/150

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	396-A-01-B-1	6 - 12	21	20	18.6	40	Yes	
A	396-A-02-B-1	6 - 12	21	20	10.6	40	Yes	
A	396-A-03-B-1	6 - 12	21	20	12.1	40	Yes	
A	396-A-04-B-1	6 - 12	21	20	16.6	40	Yes	
A	396-A-05-B-1	6 - 12	21	20	24.4	40	Yes	
A	396-A-06-B-1	6 - 12	21	20	37	40	Yes	
A	396-A-07-B-1	6 - 12	21	20	24.3	40	Yes	
A	396-A-01-C-1	12 - 18	24	60	10.9	150		
A	396-A-02-C-1	12 - 18	24	60	14.1	150		
A	396-A-03-C-1	12 - 18	24	60	30.2	150		
A	396-A-04-C-1	12 - 18	24	60	10.4	150		
A	396-A-05-C-1	12 - 18	24	60	21.4	150		
A	396-A-06-C-1	12 - 18	24	60	27.5	150		
A	396-A-07-C-2	12 - 18	24	60	49.7	150		
A	396-A-01-D-1	18 - 24	17	60	12.8	150		
A	396-A-02-D-1	18 - 24	17	60	11.3	150		
A	396-A-03-D-1	18 - 24	17	60	15.3	150		
A	396-A-04-D-1	18 - 24	17	60	13.2	150		
A	396-A-05-D-1	18 - 24	17	60	28.1	150		
A	396-A-06-D-1	18 - 24	17	60	26.1	150		
A	396-A-07-D-1	18 - 24	17	60	11.2	150		

Key:
 <LOD = less than the limit of detection
 DU = decision unit
 ICPMS = inductively coupled plasma - mass spectrometry
 ID = identification
 N/A = not applicable
 ppm = parts per million
 XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
 Results in bold were analyzed by ICP-MS per EPA 6020.

All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

N/A	Discrete sample results and the average concentration for the DU at a
Maximum	Dig decision based on a discrete sample result exceeding the action limit.
Average	Dig decision based on the average concentration for the DU at the depth
Maximum & Average	Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: **00438719200016**
Property Address: **1019 MAPLE ST**

DU - A (3148 sqft)	0-6"	6-12"	12-18"	18-24"
Dig Decision	Dig at 12"			
Results Determining Decision	maximum and average			
Average	na	48.9/ 20	32.4/ 60	16.5/ 60
Maximum	na	73/ 40	78.1/ 150	22.8/ 150

DU	Sample ID	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	389-A-01-B-1	6 - 12	49	20	46.3	40	Yes	Yes
A	389-A-02-B-1	6 - 12	49	20	73	40	Yes	Yes
A	389-A-03-B-1	6 - 12	49	20	66.9	40	Yes	Yes
A	389-A-04-B-1	6 - 12	49	20	31.5	40	Yes	
A	389-A-05-B-1	6 - 12	49	20	26.8	40	Yes	
A	389-A-01-C-1	12 - 18	32	60	26.4	150		
A	389-A-02-C-2	12 - 18	32	60	78.1	150		
A	389-A-03-C-1	12 - 18	32	60	15.4	150		
A	389-A-04-C-1	12 - 18	32	60	17.5	150		
A	389-A-05-C-1	12 - 18	32	60	24.4	150		
A	389-A-02-D-1	18 - 24	17	60	22.8	150		
A	389-A-03-D-1	18 - 24	17	60	22.4	150		
A	389-A-04-D-1	18 - 24	17	60	10.3	150		
A	389-A-05-D-1	18 - 24	17	60	10.6	150		

Key

<LOD = less than the limit of detection

DU = decision unit

ICPMS = inductively coupled plasma - mass spectrometry

ID = identification

na = not applicable

ppm = parts per million

XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
Results in **bold** were analyzed by ICP-MS per EPA 6020.
All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

na	Discrete sample results and the average concentration for the DU are below action limits.
maximum	Dig decision based on a discrete sample result exceeding the action limit.
average	Dig decision based on the average concentration for the DU exceeding the action limit.
maximum & average	Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 00438719200001
 Property Address: 1020 East Marine View Drive

Decision Unit - A (4,448 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 12 inches of soil			
Results Determining Decision	Maximum & Average			
Average (Result/ Action Limit)	N/A	45/20	25/60	21/60
Sample (Result/ Action Limit)	N/A	69/40	53.3/150	29.9/150

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	397-A-01-B-1	6 - 12	45	20	48.1	40	Yes	Yes
A	397-A-02-B-1	6 - 12	45	20	20.8	40	Yes	
A	397-A-03-B-1	6 - 12	45	20	69	40	Yes	Yes
A	397-A-04-B-1	6 - 12	45	20	28.3	40	Yes	
A	397-A-05-B-1	6 - 12	45	20	46.3	40	Yes	Yes
A	397-A-06-B-1	6 - 12	45	20	55.6	40	Yes	Yes
A	397-A-01-C-1	12 - 18	25	60	18.2	150		
A	397-A-02-C-1	12 - 18	25	60	13.2	150		
A	397-A-03-C-1	12 - 18	25	60	53.3	150		
A	397-A-04-C-1	12 - 18	25	60	15	150		
A	397-A-05-C-1	12 - 18	25	60	22.8	150		
A	397-A-06-C-1	12 - 18	25	60	25.7	150		
A	397-A-01-D-1	18 - 24	21	60	28.3	150		
A	397-A-02-D-1	18 - 24	21	60	8.4	150		
A	397-A-03-D-1	18 - 24	21	60	29.9	150		
A	397-A-04-D-1	18 - 24	21	60	15	150		
A	397-A-05-D-1	18 - 24	21	60	26.6	150		
A	397-A-06-D-1	18 - 24	21	60	19.6	150		

Key:

- <LOD = less than the limit of detection
- DU = decision unit
- ICPMS = inductively coupled plasma - mass spectrometry
- ID = identification
- N/A = not applicable
- ppm = parts per million
- XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
 Results in bold were analyzed by ICP-MS per EPA 6020.

All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

N/A	Discrete sample results and the average concentration for the DU at a
Maximum	Dig decision based on a discrete sample result exceeding the action limit.
Average	Dig decision based on the average concentration for the DU at the depth
Maximum & Average	Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 00438719302300
Property Address: 1022 MAPLE ST

Decision Unit - A	0 - 6"	6 - 12"	12 - 18"	18 - 24"
Dig Decision	Dig	Dig	No Dig	No Dig
Results Determining Decision	Maximum & Average		n/a	n/a
Average (Result/Action Limit)	40.2/ 20	32.7/ 20	19.5/ 60	6.6/ 60
Sample (Result/Action Limit)	58.7/ 40	47.3/ 40	41.2/ 150	9.5/ 150

Decision Unit Results Determining Dig Decisions

- n/a Discrete sample results and the average concentration for the Decision Unit at a depth horizon are below action limits.
- maximum Dig decision based on a discrete sample result exceeding the action limit.
- average Dig decision based on the average concentration for the Decision Unit at the depth horizon exceeding the action limit.
- maximum & average Dig decision based on a discrete sample result and the average concentration for the Decision Unit exceeding action limits.

Decision Unit (DU)	Sample Identification Number	Depth Horizon (inches)	Arsenic (ppm)				Sample Result Exceeds Action Limit	Average Exceeds Action Limit
			Sample Result	Sample Action Limit	Average Result for DU at Depth	Average Action Limit		
A	522_A_1	0 - 6	58.7	40	40.2	20	Yes	Yes
A	522_A_2	0 - 6	44.8	40	40.2	20	Yes	Yes
A	522_A_3	0 - 6	34.4	40	40.2	20		Yes
A	522_A_4	0 - 6	34.4	40	40.2	20		Yes
A	522_A_5	0 - 6	28.7	40	40.2	20		Yes
A	522_A_1	6 - 12	47.3	40	32.7	20	Yes	Yes
A	522_A_2	6 - 12	17.5	40	32.7	20		Yes
A	522_A_3	6 - 12	28.5	40	32.7	20		Yes
A	522_A_4	6 - 12	41	40	32.7	20	Yes	Yes
A	522_A_5	6 - 12	29.4	40	32.7	20		Yes
A	522_A_1	12 - 18	13.3	150	19.5	60		
A	522_A_2	12 - 18	5.3	150	19.5	60		
A	522_A_3	12 - 18	9.9	150	19.5	60		
A	522_A_4	12 - 18	41.2	150	19.5	60		
Decision Unit (DU)	Sample Identification Number	Depth Horizon (inches)	Arsenic (ppm)				Sample Result Exceeds Action Limit	Average Exceeds Action Limit
			Sample Result	Sample Action Limit	Average Result for DU at Depth	Average Action Limit		
A	522_A_5	12 - 18	27.7	150	19.5	60		
A	522_A_1	18 - 24	5.1	150	6.6	60		
A	522_A_2	18 - 24	6	150	6.6	60		
A	522_A_3	18 - 24	5.8	150	6.6	60		
A	522_A_4	18 - 24	9.5	150	6.6	60		

Key

<LOD = less than the limit of detection
 DU = decision unit

ICP-MS = inductively coupled plasma - mass spectrometry

Refusal = sample could not be obtained

ppm = parts per million

XRF = x-ray fluorescence

Notes

There are no data qualifiers in this dataset.

Results in **bold** were analyzed by ICP-MS per EPA 6020.

All other results were analyzed by XRF per EPA 6200.

Property Tax ID: 00438719200009
 Property Address: 1024 East Marine View Drive

Decision Unit - A (4,543 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 12 inches of soil			
Results Determining Decision	Maximum & Average			
Average (Result/ Action Limit)	N/A	30/20	31/60	16/60
Sample (Result/ Action Limit)	N/A	51.4/40	63.3/150	43.6/150

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	398-A-01-B-1	6 - 12	30	20	48.3	40	Yes	Yes
A	398-A-02-B-1	6 - 12	30	20	9	40	Yes	
A	398-A-03-B-2	6 - 12	30	20	51.4	40	Yes	Yes
A	398-A-04-B-1	6 - 12	30	20	34.3	40	Yes	
A	398-A-05-B-1	6 - 12	30	20	43	40	Yes	Yes
A	398-A-06-B-1	6 - 12	30	20	6.9	40	Yes	
A	398-A-07-B-1	6 - 12	30	20	15.9	40	Yes	
A	398-A-01-C-1	12 - 18	31	60	18.5	150		
A	398-A-02-C-1	12 - 18	31	60	7.1	150		
A	398-A-03-C-1	12 - 18	31	60	63.3	150		
A	398-A-04-C-1	12 - 18	31	60	47.4	150		
A	398-A-05-C-1	12 - 18	31	60	62	150		
A	398-A-06-C-1	12 - 18	31	60	6.3	150		
A	398-A-07-C-1	12 - 18	31	60	15.2	150		
A	398-A-01-D-1	18 - 24	16	60	8.5	150		
A	398-A-02-D-1	18 - 24	16	60	6.1	150		
A	398-A-03-D-1	18 - 24	16	60	43.6	150		
A	398-A-04-D-1	18 - 24	16	60	15.9	150		
A	398-A-05-D-1	18 - 24	16	60	24.3	150		
A	398-A-06-D-1	18 - 24	16	60	6.6	150		
A	398-A-07-D-1	18 - 24	16	60	8.7	150		

Key:
 <LOD = less than the limit of detection
 DU = decision unit
 ICPMS = inductively coupled plasma - mass spectrometry
 ID = identification
 N/A = not applicable
 ppm = parts per million
 XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
Results in bold were analyzed by ICP-MS per EPA 6020.
All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

N/A	Discrete sample results and the average concentration for the DU at a
Maximum	Dig decision based on a discrete sample result exceeding the action limit.
Average	Dig decision based on the average concentration for the DU at the depth
Maximum & Average	Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 00438719302100
Property Address: 1026 Maple Street

Decision Unit - A (4,430 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 12 inches of soil			
Results Determining Decision	Maximum & Average			
Average (Result/ Action Limit)	N/A	32/20	20/60	21/60
Sample (Result/ Action Limit)	N/A	41.9/40	44.6/150	59.6/150

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	381-A-01-B-1	6 - 12	32	20	41	40	Yes	Yes
A	381-A-02-B-1	6 - 12	32	20	16.5	40	Yes	
A	381-A-03-B-1	6 - 12	32	20	41.2	40	Yes	Yes
A	381-A-04-B-1	6 - 12	32	20	41.9	40	Yes	Yes
A	381-A-04-B-2	6 - 12	32	20	40.8	40	Yes	Yes
A	381-A-05-B-1	6 - 12	32	20	20.3	40	Yes	
A	381-A-06-B-1	6 - 12	32	20	33.3	40	Yes	
A	381-A-01-C-1	12 - 18	20	60	11.3	150		
A	381-A-02-C-1	12 - 18	20	60	6.3	150		
A	381-A-03-C-1	12 - 18	20	60	10.5	150		
A	381-A-04-C-1	12 - 18	20	60	35.8	150		
A	381-A-05-C-1	12 - 18	20	60	44.6	150		
A	381-A-06-C-1	12 - 18	20	60	11.8	150		
A	381-A-01-D-1	18 - 24	21	60	18	150		
A	381-A-02-D-1	18 - 24	21	60	5.7	150		
Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	381-A-03-D-1	18 - 24	21	60	14.5	150		
A	381-A-04-D-1	18 - 24	21	60	59.6	150		
A	381-A-06-D-1	18 - 24	21	60	8.6	150		

Key:

<LOD = less than the limit of detection

DU = decision unit

ICPMS = inductively coupled plasma - mass spectrometry
ID = identification
N/A = not applicable
ppm = parts per million
XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
Results in bold were analyzed by ICP-MS per EPA 6020.
All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

N/A	Discrete sample results and the average concentration for the DU at a
Maximum	Dig decision based on a discrete sample result exceeding the action limit.
Average	Dig decision based on the average concentration for the DU at the depth
Maximum & Average	Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 00438719200010
Property Address: 1027 Maple Street

Decision Unit - A (3,848 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 12 inches of soil			
Results Determining Decision	Average			
Average (Result/ Action Limit)	N/A	24/20	16/60	12/60
Sample (Result/ Action Limit)	N/A	33/40	30.9/150	18.2/150

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	391-A-01-B-1	6 - 12	24	20	16.6	40	Yes	
A	391-A-02-B-1	6 - 12	24	20	10.2	40	Yes	
A	391-A-03-B-1	6 - 12	24	20	26.4	40	Yes	
A	391-A-04-B-1	6 - 12	24	20	33	40	Yes	
A	391-A-05-B-1	6 - 12	24	20	27.5	40	Yes	
A	391-A-05-B-2	6 - 12	24	20	32.5	40	Yes	
A	391-A-01-C-1	12 - 18	16	60	11.7	150		
A	391-A-02-C-1	12 - 18	16	60	8.9	150		
A	391-A-03-C-1	12 - 18	16	60	30.9	150		
A	391-A-04-C-1	12 - 18	16	60	9.4	150		
A	391-A-05-C-1	12 - 18	16	60	20	150		
A	391-A-01-D-1	18 - 24	12	60	12.6	150		
A	391-A-02-D-1	18 - 24	12	60	9.6	150		
A	391-A-03-D-1	18 - 24	12	60	13.1	150		
A	391-A-04-D-1	18 - 24	12	60	6.4	150		
Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	391-A-05-D-1	18 - 24	12	60	18.2	150		

Key:

<LOD = less than the limit of detection
DU = decision unit
ICPMS = inductively coupled plasma - mass spectrometry
ID = identification

N/A = not applicable
ppm = parts per million
XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
Results in bold were analyzed by ICP-MS per EPA 6020.
All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

N/A	Discrete sample results and the average concentration for the DU at a
Maximum	Dig decision based on a discrete sample result exceeding the action limit.
Average	Dig decision based on the average concentration for the DU at the depth
Maximum & Average	Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 00438719301900
Property Address: 1028 Maple Street

Decision Unit - A (3,526 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 12 inches of soil			
Results Determining Decision	Maximum & Average			
Average (Result/ Action Limit)	N/A	30/20	18/60	15/60
Sample (Result/ Action Limit)	N/A	48/40	39/150	30.3/150

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	382-A-01-B-1	6 - 12	30	20	19	40	Yes	
A	382-A-02-B-1	6 - 12	30	20	48	40	Yes	Yes
A	382-A-03-B-1	6 - 12	30	20	22.9	40	Yes	
A	382-A-04-B-1	6 - 12	30	20	20.9	40	Yes	
A	382-A-05-B-1	6 - 12	30	20	41.2	40	Yes	Yes
A	382-A-06-B-2	6 - 12	30	20	26.3	40	Yes	
A	382-A-01-C-1	12 - 18	18	60	10.3	150		
A	382-A-02-C-1	12 - 18	18	60	20.3	150		
A	382-A-03-C-1	12 - 18	18	60	8.1	150		
A	382-A-04-C-1	12 - 18	18	60	7.6	150		
A	382-A-05-C-1	12 - 18	18	60	20.4	150		
A	382-A-06-C-1	12 - 18	18	60	39	150		
A	382-A-01-D-1	18 - 24	15	60	21.2	150		
A	382-A-02-D-1	18 - 24	15	60	11.9	150		
A	382-A-03-D-1	18 - 24	15	60	7	150		
Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	382-A-04-D-1	18 - 24	15	60	7	150		
A	382-A-05-D-1	18 - 24	15	60	13.6	150		
A	382-A-06-D-1	18 - 24	15	60	30.3	150		

Key:

<LOD = less than the limit of detection

DU = decision unit

ICPMS = inductively coupled plasma - mass spectrometry

ID = identification

N/A = not applicable

ppm = parts per million

XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
Results in bold were analyzed by ICP-MS per EPA 6020.
All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

N/A	Discrete sample results and the average concentration for the DU at a
Maximum	Dig decision based on a discrete sample result exceeding the action limit.
Average	Dig decision based on the average concentration for the DU at the depth
Maximum & Average	Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 00438719200011
Property Address: 1031 Maple Street

Decision Unit - A (4,609 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 12 inches of soil			
Results Determining Decision	Average			
Average (Result/ Action Limit)	N/A	24/20	20/60	14/60
Sample (Result/ Action Limit)	N/A	31.9/40	29.8/150	17.4/150

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	392-A-01-B-1	6 - 12	24	20	28	40	Yes	
A	392-A-02-B-1	6 - 12	24	20	17.7	40	Yes	
A	392-A-03-B-1	6 - 12	24	20	25	40	Yes	
A	392-A-03-B-2	6 - 12	24	20	29.5	40	Yes	
A	392-A-04-B-1	6 - 12	24	20	29.1	40	Yes	
A	392-A-05-B-1	6 - 12	24	20	31.9	40	Yes	
A	392-A-06-B-1	6 - 12	24	20	18.8	40	Yes	
A	392-A-07-B-1	6 - 12	24	20	9.3	40	Yes	
A	392-A-01-C-1	12 - 18	20	60	25	150		
A	392-A-02-C-1	12 - 18	20	60	22.4	150		
A	392-A-03-C-1	12 - 18	20	60	29.8	150		
A	392-A-04-C-1	12 - 18	20	60	16.7	150		
A	392-A-05-C-1	12 - 18	20	60	17	150		
A	392-A-05-C-1	12 - 18	20	60	21	150		
A	392-A-07-C-1	12 - 18	20	60	9.3	150		
Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	392-A-01-D-1	18 - 24	14	60	15.6	150		
A	392-A-02-D-1	18 - 24	14	60	17.4	150		
A	392-A-03-D-1	18 - 24	14	60	14.1	150		
A	392-A-04-D-1	18 - 24	14	60	14.3	150		
A	392-A-05-D-1	18 - 24	14	60	13.5	150		
A	392-A-05-D-1	18 - 24	14	60	14.3	150		

A	392-A-07-D-1	18 - 24	14	60	7	150		
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Key:

<LOD = less than the limit of detection

DU = decision unit

ICPMS = inductively coupled plasma - mass spectrometry

ID = identification

N/A = not applicable

ppm = parts per million

XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
 Results in bold were analyzed by ICP-MS per EPA 6020.
 All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

- N/A Discrete sample results and the average concentration for the DU at a
- Maximum Dig decision based on a discrete sample result exceeding the action limit.
- Average Dig decision based on the average concentration for the DU at the depth
- Maximum & Dig decision based on a discrete sample result and the average
- Average concentration for the DU exceeding action limits.

Property Tax ID: 00438719200002
Property Address: 1032 East Marine View Drive

Decision Unit - A (1,766 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	No Dig			
Results Determining Decision	N/A			
Average (Result/ Action Limit)	14/20	19/20	26/60	41/60
Sample (Result/ Action Limit)	16.4/40	26.2/40	55.2/150	125/150

Decision Unit - B (3,887 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 12 inches of soil			
Results Determining Decision	Maximum & Average			
Average (Result/ Action Limit)	24/20	33/20	19/60	12/60
Sample (Result/ Action Limit)	57.1/40	68.9/40	43/150	18.7/150

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	400-A-01-A-1	0 - 6	14	20	10	40		
A	400-A-02-A-1	0 - 6	14	20	16.4	40		
A	400-A-03-A-1	0 - 6	14	20	14.8	40		
A	400-A-04-A-1	0 - 6	14	20	15.9	40		
A	400-A-05-A-1	0 - 6	14	20	13	40		
A	400-A-01-B-1	6 - 12	19	20	17.6	40		
A	400-A-02-B-1	6 - 12	19	20	18.2	40		
A	400-A-03-B-1	6 - 12	19	20	22	40		
A	400-A-04-B-1	6 - 12	19	20	12.5	40		
A	400-A-05-B-2	6 - 12	19	20	26.2	40		
A	400-A-01-C-1	12 - 18	26	60	9.6	150		
A	400-A-02-C-1	12 - 18	26	60	17.6	150		
A	400-A-03-C-1	12 - 18	26	60	36.6	150		
Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Result Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	400-A-04-C-1	12 - 18	26	60	12.4	150		
A	400-A-05-C-1	12 - 18	26	60	55.2	150		
A	400-A-01-D-1	18 - 24	41	60	11.3	150		
A	400-A-02-D-1	18 - 24	41	60	14.5	150		
A	400-A-03-D-1	18 - 24	41	60	23.1	150		

A	400-A-05-D-1	18 - 24	41	60	125	150		
B	400-B-01-A-1	0 - 6	24	20	57.1	40	Yes	Yes
B	400-B-02-A-1	0 - 6	24	20	21.9	40	Yes	
B	400-B-03-A-1	0 - 6	24	20	9.9	40	Yes	
B	400-B-04-A-1	0 - 6	24	20	14.8	40	Yes	
B	400-B-05-A-1	0 - 6	24	20	15.5	40	Yes	
B	400-B-01-B-1	6 - 12	33	20	18	40	Yes	
B	400-B-02-B-2	6 - 12	33	20	68.9	40	Yes	Yes
B	400-B-03-B-1	6 - 12	33	20	16.5	40	Yes	
B	400-B-04-B-1	6 - 12	33	20	37	40	Yes	
B	400-B-05-B-1	6 - 12	33	20	23.8	40	Yes	
B	400-B-01-C-1	12 - 18	19	60	8.8	150		
B	400-B-02-C-1	12 - 18	19	60	43	150		
B	400-B-03-C-1	12 - 18	19	60	14.2	150		
B	400-B-04-C-1	12 - 18	19	60	19.9	150		
B	400-B-05-C-1	12 - 18	19	60	9.5	150		
B	400-B-01-D-1	18 - 24	12	60	12.1	150		
B	400-B-02-D-1	18 - 24	12	60	18.7	150		
B	400-B-03-D-1	18 - 24	12	60	10.9	150		
B	400-B-04-D-1	18 - 24	12	60	13.4	150		
B	400-B-05-D-1	18 - 24	12	60	6.4	150		

Key:

<LOD = less than the limit of detection

DU = decision unit

ICPMS = inductively coupled plasma - mass spectrometry

ID = identification

N/A = not applicable

ppm = parts per million

XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
Results in bold were analyzed by ICP-MS per EPA 6020.
All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

N/A	Discrete sample results and the average concentration for the DU at a depth
Maximum	Dig decision based on a discrete sample result exceeding the action limit.
Average	Dig decision based on the average concentration for the DU at the depth
Maximum & Average	Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 438718801500
Property Address: 2905 10th St.

DU - A (4523 sq ft)	0-6"	6-12"	12-18"	18-24"
Dig Decision	Dig	Dig	No Dig	No Dig
Result Determining Decision	Maximum and Average		n/a	n/a
Average	25.6	23.2	22.7	24.7
Maximum	47.0	41.0	42.8	43.7

DU	Sample ID	Horizon Depth (inches)	Arsenic (ppm)				Average Exceeds Action Limit	Sample Exceeds Action Limit
			Average Result for DU at Depth	Average Action Limit	Sample Result	Sample Action Limit		
A	357-A-01	0-6	25.6	20	30	40	yes	
A	357-A-01	6-12	23.2	20	27	40	yes	
A	357-A-01	12-18	22.7	60	42.8	150		
A	357-A-01	18-24	24.7	60	43.7	150		
A	357-A-02	0-6	25.6	20	12.2	40	yes	
A	357-A-02	6-12	23.2	20	13	40	yes	
A	357-A-02	12-18	22.7	60	23.5	150		
A	357-A-02	18-24	24.7	60	29.5	150		
A	357-A-03	0-6	25.6	20	17.7	40	yes	
A	357-A-03	6-12	23.2	20	6.8	40	yes	
A	357-A-03	12-18	22.7	60	6.4	150		
A	357-A-03	18-24	24.7	60	7.2	150		
A	357-A-04	0-6	25.6	20	47	40	yes	yes
A	357-A-04	6-12	23.2	20	41	40	yes	yes
A	357-A-04	12-18	22.7	60	20.1	150		
A	357-A-04	18-24	24.7	60	19.8	150		
A	357-A-05	0-6	25.6	20	23.9	40	yes	
A	357-A-05	6-12	23.2	20	27	40	yes	
A	357-A-05	12-18	22.7	60	18.7	150		
A	357-A-05	18-24	24.7	60	26.7	150		
A	357-A-06	0-6	25.6	20	22.7	40	yes	
A	357-A-06	6-12	23.2	20	24.4	40	yes	
A	357-A-06	12-18	22.7	60	24.4	150		
A	357-A-06	18-24	24.7	60	21.2	150		

<LOD = less than the limit of detection

DU = decision unit

ICP-MS = inductively coupled plasma - mass spectrometry

ID = identification

n/a = not applicable

ppm = parts per million

XRF = x-ray fluorescence

Notes:

There are no data qualifiers in this dataset.

Results in bold were analyzed by ICP-MS per EPA 6020.

All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

- na Discrete sample results and the average concentration for the DU at a depth horizon are below action limits.
- maximum Dig decision based on a discrete sample result exceeding the action limit.
- average Dig decision based on the average concentration for the DU at the depth horizon exceeding the action limit.
- maximum & average Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: 0039660000600
Property Address: 3016 BUTLER ST

Decision Unit - A	0 - 6"	6 - 12"	12 - 18"	18 - 24"
Dig Decision	Dig	Dig	Dig	Dig
Results Determining Decision	Maximum & Average			
Average (Result/Action Limit)	130.2/ 20	94.1/ 20	85.7/ 60	91.8/ 60
Sample (Result/Action Limit)	231/ 40	127/ 40	127/ 150	159/ 150

Decision Unit Results Determining Dig Decisions

n/a	Discrete sample results and the average concentration for the Decision Unit at a depth horizon are below action limits.
maximum	Dig decision based on a discrete sample result exceeding the action limit.
average	Dig decision based on the average concentration for the Decision Unit at the depth horizon exceeding the action limit.
maximum & average	Dig decision based on a discrete sample result and the average concentration for the Decision Unit exceeding action limits.

Decision Unit (DU)	Sample Identification Number	Depth Horizon (inches)	Arsenic (ppm)				Sample Result Exceeds Action Limit	Average Exceeds Action Limit
			Sample Result	Sample Action Limit	Average Result for DU at Depth	Average Action Limit		
A	516_A_1	0 - 6	231	40	130.2	20	Yes	Yes
A	516_A_2	0 - 6	72	40	130.2	20	Yes	Yes
A	516_A_3	0 - 6	122	40	130.2	20	Yes	Yes
A	516_A_4	0 - 6	80	40	130.2	20	Yes	Yes
A	516_A_5	0 - 6	146	40	130.2	20	Yes	Yes
A	516_A_1	6 - 12	62.6	40	94.1	20	Yes	Yes
A	516_A_2	6 - 12	104	40	94.1	20	Yes	Yes
A	516_A_3	6 - 12	127	40	94.1	20	Yes	Yes
A	516_A_4	6 - 12	53	40	94.1	20	Yes	Yes
A	516_A_5	6 - 12	124	40	94.1	20	Yes	Yes
A	516_A_1	12 - 18	46.6	150	85.7	60		Yes
A	516_A_2	12 - 18	127	150	85.7	60		Yes
A	516_A_3	12 - 18	111	150	85.7	60		Yes
A	516_A_4	12 - 18	21.1	150	85.7	60		Yes
Decision Unit (DU)	Sample Identification Number	Depth Horizon (inches)	Arsenic (ppm)				Sample Result Exceeds Action Limit	Average Exceeds Action Limit
			Sample Result	Sample Action Limit	Average Result for DU at Depth	Average Action Limit		
A	516_A_5	12 - 18	123	150	85.7	60		Yes
A	516_A_1	18 - 24	56.1	150	91.8	60		Yes
A	516_A_2	18 - 24	159	150	91.8	60	Yes	Yes
A	516_A_3	18 - 24	117	150	91.8	60		Yes
A	516_A_4	18 - 24	7.1	150	91.8	60		Yes
A	516_A_5	18 - 24	120	150	91.8	60		Yes

Key

<LOD = less than the limit of detection

DU = decision unit

ICP-MS = inductively coupled plasma - mass spectrometry

Refusal = sample could not be obtained

ppm = parts per million

XRF = x-ray fluorescence

Notes

There are no data qualifiers in this dataset.

Results in **bold** were analyzed by ICP-MS per EPA 6020.

All other results were analyzed by XRF per EPA 6200.

Property Tax ID: **61230000800**
Property Address: **3110 8th Street**

DU - A (# sq ft)	0-6"	6-12"	12-18"	18-24"
Dig Decision	Dig	Dig	No Dig	No Dig
Result Determining Decision	Maximum and Average		n/a	n/a
Average (Result/Action Limit)	36/20	59/20	35/60	21/60
Maximum	91.0	103.0	58.1	66.4

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Sample Result Exceeds Action Limit	Average Exceeds Action Limit
			Sample Result	Sample Action Limit	Average Result for DU at Depth	Average Action Limit		
A	515-A-01-A-1	0 - 6	25	40	32	20		yes
A	515-A-02-A-1	0 - 6	23	40	32	20		yes
A	515-A-03-A-1	0 - 6	91	40	32	20	yes	yes
A	515-A-04-A-1	0 - 6	25	40	32	20		yes
A	515-A-05-A-1	0 - 6	18	40	32	20		yes
A	515-A-06-A-1	0 - 6	7	40	32			
A	515-A-01-B-1	6 - 12	103	40	50	20		yes
A	515-A-02-B-1	6 - 12	66	40	50	20	yes	yes
A	515-A-03-B-1	6 - 12	61.7	40	50	20	yes	yes
A	515-A-04-B-1	6 - 12	42.3	40	50	20	yes	yes
A	515-A-05-B-1	6 - 12	23.6	40	50	20		yes
A	515-A-06-B-1	6 - 12	4.8	40	50	20		yes
A	515-A-01-C-1	12 - 18	58.1	150	30	60		
A	515-A-02-C-1	12 - 18	51.5	150	30	60		
A	515-A-03-C-1	12 - 18	14.1	150	30	60		
A	515-A-04-C-1	12 - 18	9	150	30	60		
A	515-A-05-C-1	12 - 18	44.1	150	30	60		
A	515-A-06-C-1	12 - 18	5.7	150	30	60		
A	515-A-01-D-1	18-24	6.4	150	21	60		
A	515-A-02-D-1	18-24	7.7	150	21	60		
A	515-A-03-D-1	18-24	19.5	150	21	60		
A	515-A-04-D-1	18-24	5.5	150	21	60		
A	515-A-05-D-1	18-24	66.4	150	21	60		
A	515-CWSP-4	0 - 6	6.8	40	7	20		
A	515-CWSP-5	6 - 12	7.2	40	7	20		

<LOD = less than the limit of detection

DU = decision unit

ICP-MS = inductively coupled plasma - mass spectrometry

ID = identification

n/a = not applicable

ppm = parts per million

XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
Results in bold were analyzed by ICP-MS per EPA 6020.
All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

- na Discrete sample results and the average concentration for the DU at a depth horizon are below action limits.
- maximum Dig decision based on a discrete sample result exceeding the action limit.
- average Dig decision based on the average concentration for the DU at the depth horizon exceeding the action limit.
- maximum & average Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.

Property Tax ID: **00612300001101**
Property Address: **3121 8TH ST**

Decision Unit - A	0 - 6"	6 - 12"	12 - 18"	18 - 24"
Dig Decision	Dig			
Results Determining Decision	Maximum & Average			
Average (Result/Action Limit)	0/20	0/20	0/60	85.3/60
Sample (Result/Action Limit)	0/40	0/40	0/150	180/150

Decision Unit Results Determining Dig Decisions

- n/a Discrete sample results and the average concentration for the Decision Unit at a depth horizon are below action limits.
- maximum Dig decision based on a discrete sample result exceeding the action limit.
- average Dig decision based on the average concentration for the Decision Unit at the depth horizon exceeding the action limit.
- maximum & average Dig decision based on a discrete sample result and the average concentration for the Decision Unit exceeding action limits.

Decision Unit (DU)	Sample Identification Number	Depth Horizon (inches)	Arsenic (ppm)				Sample Result Exceeds Action Limit	Average Exceeds Action Limit
			Sample Result	Sample Action Limit	Average Result for DU at Depth	Average Action Limit		
A	151-A-01-D	18 - 24	41.5	150	85.3	60		Yes
A	151-A-02-D	18 - 24	131	150	85.3	60		Yes
A	151-A-03-D	18 - 24	128	150	85.3	60		Yes
A	151-A-04-D	18 - 24	8.4	150	85.3	60		Yes
A	151-A-05-D	18 - 24	55	150	85.3	60		Yes
A	151-A-06-D	18 - 24	53.2	150	85.3	60		Yes
A	151-A-07-D	18 - 24	180	150	85.3	60	Yes	Yes
X	Comp-151-X-A		34.4		34.4			
Y	Comp-151-Y-A		42.6		42.6			
	TCLP-151		0.029					

Key

- <LOD = less than the limit of detection
- DU = decision unit
- ICP-MS = inductively coupled plasma - mass spectrometry
- Refusal = sample could not be obtained
- ppm = parts per million XRF = x-ray fluorescence

Notes

There are no data qualifiers in this dataset.
Results in **bold** were analyzed by ICP-MS per EPA 6020.
All other results were analyzed by XRF per EPA 6200.



Everett Smelter Cleanup: Sampling Results

Property Tax ID: 00438719301700
Property Address: Vacant Pine Street Lot

Decision Unit - A (5,656 sqft)				
Sampling Depth	0-6"	6-12"	12-18"	18-24"
Dig Decision	Remove the top 12 inches of soil			
Results Determining Decision	Maximum & Average			
Average (Result/ Action Limit)	N/A	26/20	20/60	15/60
Sample (Result/ Action Limit)	N/A	55/40	43.1/150	25.8/150

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Sample Result Exceeds Action Limit	Average Exceeds Action Limit
			Sample Result	Sample Action Limit	Average Result for DU at Depth	Average Action Limit		
A	375-A-10-A-1	0-6	11.8	40	15	20		
A	375-A-11-A-1	0-6	18.1	40	15	20		
A	375-A-01-B-1	6 - 12	17.1	40	26	20		Yes
A	375-A-02-B-1	6 - 12	20.6	40	26	20		Yes
A	375-A-03-B-1	6 - 12	30.4	40	26	20		Yes
A	375-A-04-B-1	6 - 12	29.7	40	26	20		Yes
A	375-A-05-B-1	6 - 12	37	40	26	20		Yes
A	375-A-06-B-1	6 - 12	7.6	40	26	20		Yes
A	375-A-07-B-1	6 - 12	55	40	26	20	Yes	Yes
A	375-A-08-B-1	6 - 12	34	40	26	20		Yes
A	375-A-09-B-1	6 - 12	26.2	40	26	20		Yes
A	375-A-10-B-1	6 - 12	2.8	40	26	20		Yes
A	375-A-11-B-1	6 - 12	25.1	40	26	20		Yes
A	375-A-01-C-1	12 - 18	11.5	150	20	60		
A	375-A-02-C-1	12 - 18	8.5	150	20	60		
A	375-A-03-C-1	12 - 18	9.1	150	20	60		
A	375-A-04-C-2	12 - 18	36.8	150	20	60		
A	375-A-05-C-1	12 - 18	10.5	150	20	60		
A	375-A-06-C-1	12 - 18	7	150	20	60		
A	375-A-07-C-1	12 - 18	14.4	150	20	60		
A	375-A-08-C-1	12 - 18	21.4	150	20	60		
A	375-A-09-C-1	12 - 18	43.1	150	20	60		
A	375-A-10-C-1	12 - 18	22.7	150	20	60		
A	375-A-11-C-1	12 - 18	39.2	150	20	60		

Decision Unit (DU)	Sample ID Number	Depth Horizon (inches)	Arsenic (ppm)				Sample Result Exceeds Action Limit	Average Exceeds Action Limit
			Sample Result	Sample Action Limit	Average Result for DU at Depth	Average Action Limit		
A	375-A-01-D-1	18 - 24	10.3	150	15	60		
A	375-A-02-D-1	18 - 24	25.8	150	15	60		
A	375-A-03-D-1	18 - 24	16.1	150	15	60		
A	375-A-04-D-1	18 - 24	21.8	150	15	60		
A	375-A-05-D-1	18 - 24	19.7	150	15	60		
A	375-A-06-D-1	18 - 24	6.9	150	15	60		
A	375-A-07-D-1	18 - 24	13.8	150	15	60		
A	375-A-08-D-1	18 - 24	12.4	150	15	60		
A	375-A-09-D-1	18 - 24	23.8	150	15	60		
A	375-A-10-D-1	18 - 24	10.8	150	15	60		
A	375-A-11-D-1	18 - 24	6.9	150	15	60		

Key:

<LOD = less than the limit of detection

DU = decision unit

ICP-MS = inductively coupled plasma - mass spectrometry

ID = identification

N/A = not applicable

ppm = parts per million

XRF = x-ray fluorescence

Notes: There are no data qualifiers in this dataset.
 Results in bold were analyzed by ICP-MS per EPA 6020.
 All other results were analyzed by XRF per EPA 6200.

DU Results Determining Dig Decisions

- N/A Discrete sample results and the average concentration for the DU at a depth
- Maximum Dig decision based on a discrete sample result exceeding the action limit.
- Average Dig decision based on the average concentration for the DU at the depth
- Maximum & Average Dig decision based on a discrete sample result and the average concentration for the DU exceeding action limits.



Legend

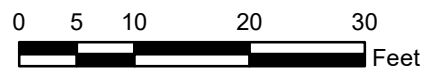
- Sample Location
- Tax Parcel Boundary (Snohomish County, 2018)
- Decision Unit A (1,644 sq ft)
- Hard Surface

Dig Decision

- Dig to 12 inches

Note: Feature locations are approximate.

Utilities Source: Snohomish County
 2015 Imagery Source: Snohomish County



Everett Residential Sampling 2019
 Everett, WA

Address: 702 E Marine View Dr
Parcel ID: 609

19500-12

10/19





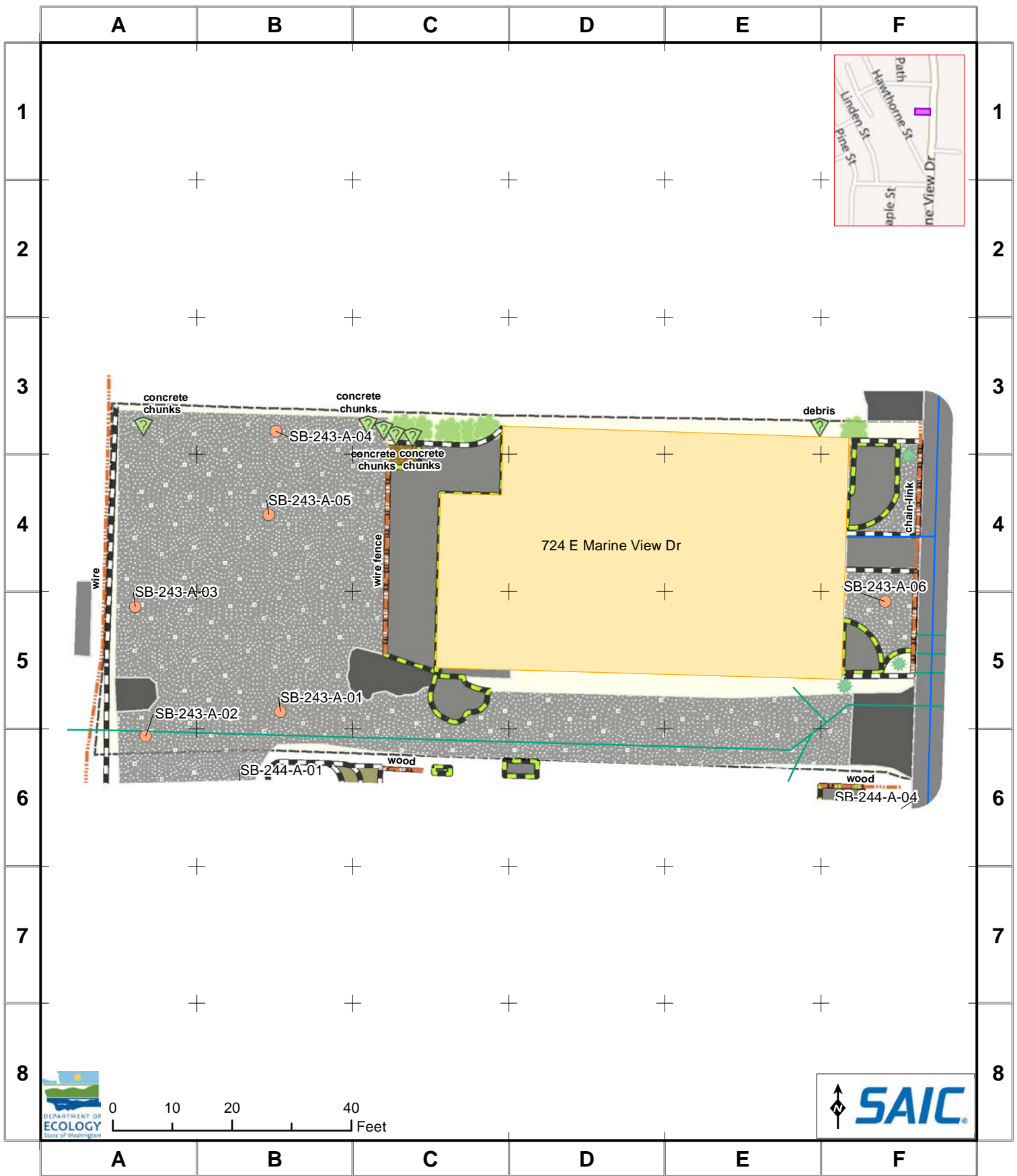
PRATT ALAN
 720 E MARINE VIEW DR
 29051700102900

Recommended Cleanup Depth(s)

- 12
- 24

Sample Locations

- Decision Unit A
- Decision Unit B



Utilities on map are a general representation only, and should not be used for locating purposes.

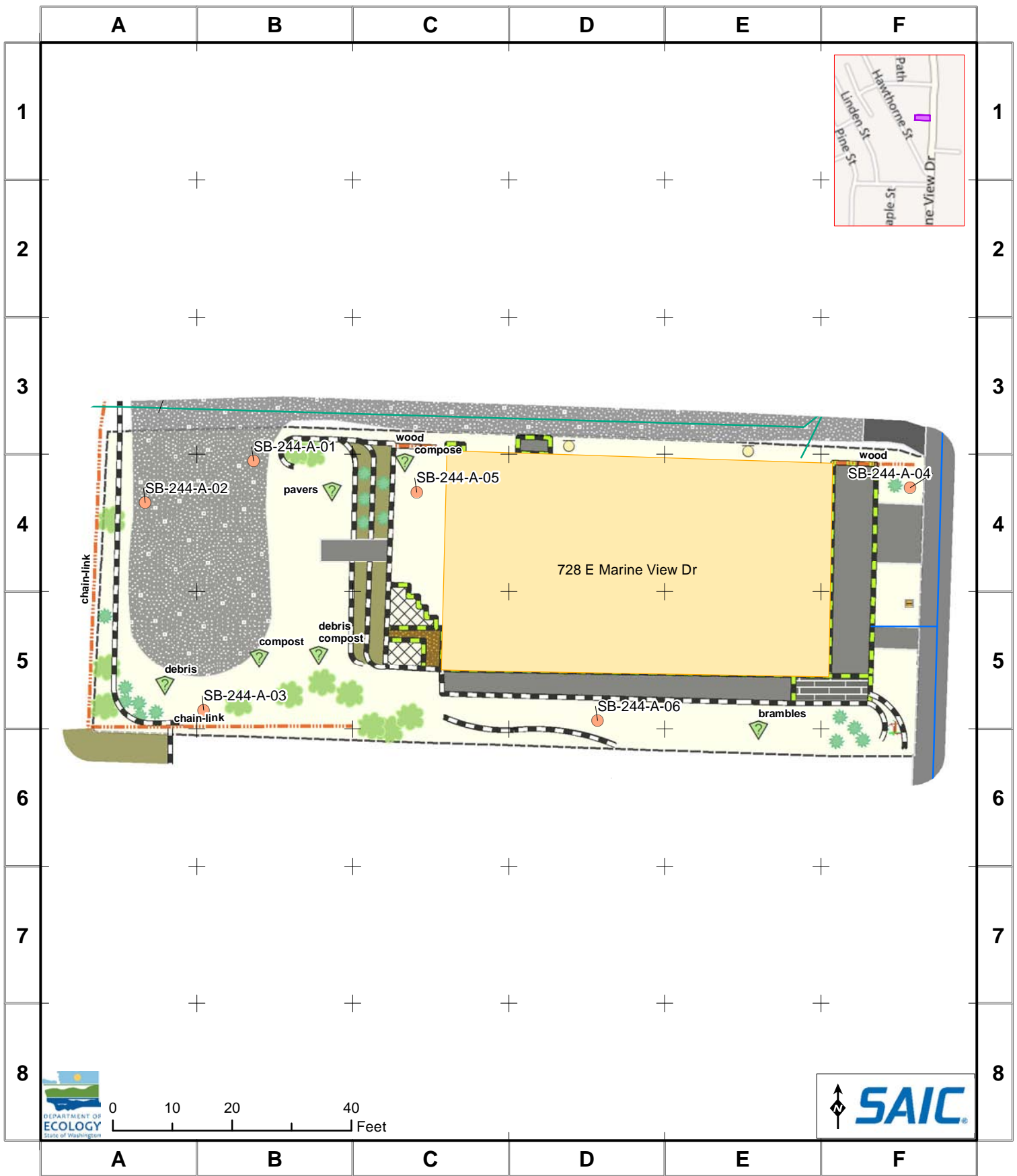
Everett Smelter Property Cleanup

Angilau, Vilisoni T
 724 E Marine View Dr
 29051700102800

SAIC # **243**
1 inch block

bush	Above Ground Storage Tank	Gas	Fence	asphalt	paved stone path DU
tree	Underground Storage Tank	Irrigation	Landscape Border	block	paver
Crawlspace	Low voltage Lighting	Light Pole	Landscaping	block path	sand play area
Other	Box	Manhole	Raised Structures	brick	stone
	Cleanout	Utility Pole	Parcel (estimated)	brick stairs	wood
	Hydrant	Water Shutoff		concrete stairs	wood landing
		Public Water		gravel	wood stairs
		Public Sewer		other	wood steps

Received By: _____ Date: ____/____/____



Utilities on map are a general representation only, and should not be used for locating purposes.

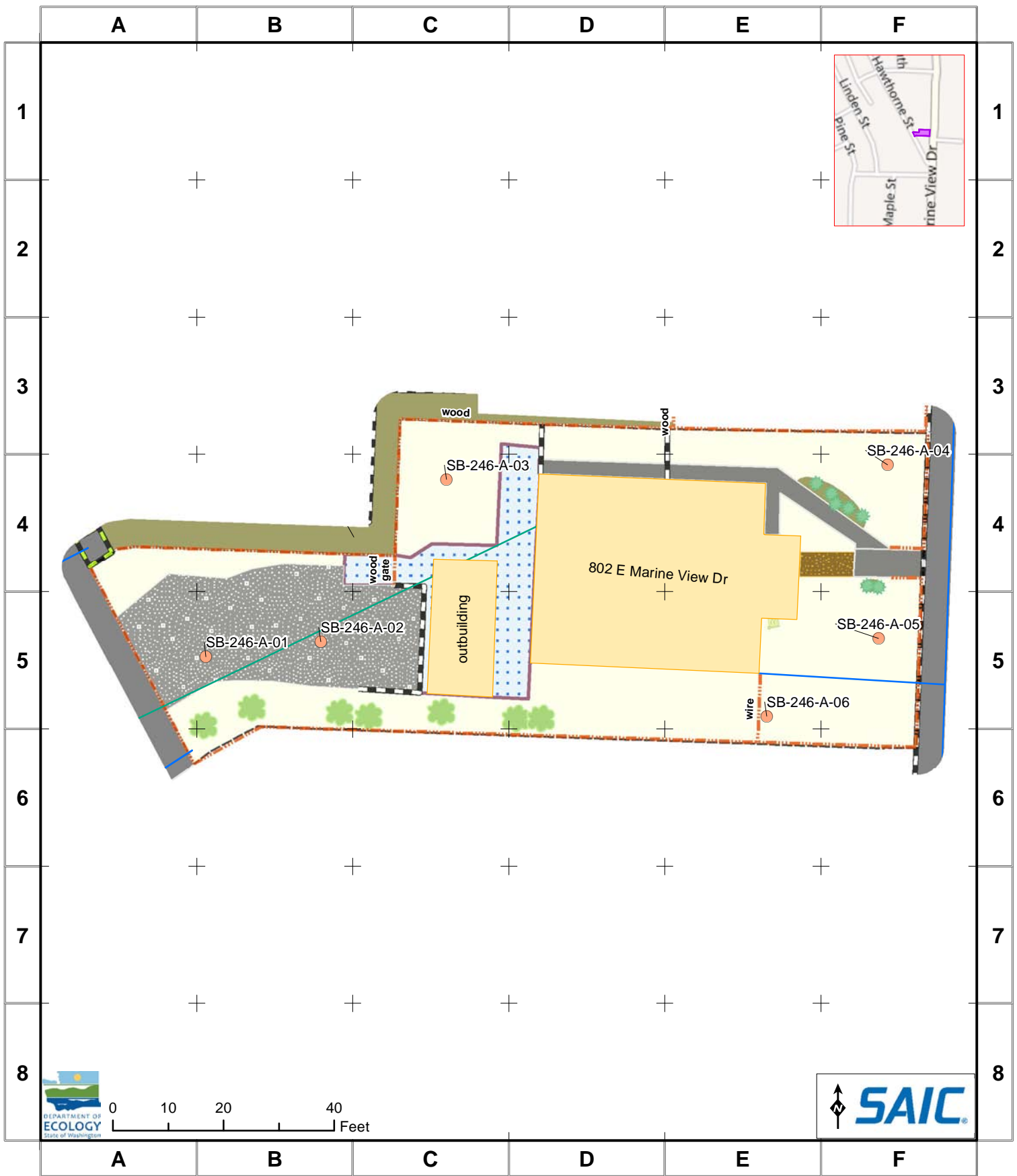
Everett Smelter Property Cleanup

O'Hanley, Patricia J
 728 E Marine View Dr
 29051700103000

SAIC # **244**
1 inch block

bush	Above Ground Storage Tank	Gas	Fence	asphalt	paved stone path DU
tree	Underground Storage Tank	Irrigation	Landscape Border	block	paver
Crawlspace	Low voltage Lighting	Light Pole	Landscaping	block path	rock
Other	Box	Manhole	Raised Structures	brick	sand play area
	Hydrant	Utility Pole	Parcel (estimated)	brick stairs	stone
		Water Shutoff		concrete	wood
		Other Water		concrete stairs	wood landing
		Public Water		gravel	wood stairs
				other	wood steps

Received By: _____ Date: ____/____/____



Utilities on map are a general representation only, and should not be used for locating purposes.

<h2>Everett Smelter Property Cleanup</h2> <p>Stryjak, Ostin P & Felicity M 802 E Marine View Dr 29051700101900</p>		<p>Vegetation</p> <ul style="list-style-type: none"> bush tree Crawlspace Other 	<p>Utility</p> <ul style="list-style-type: none"> Above Ground Storage Tank Underground Storage Tank Low voltage Lighting Box Cleanout Hydrant 	<ul style="list-style-type: none"> Gas Irrigation Light Pole Manhole Utility Pole Water Shutoff Other Public Water Public Sewer 	<ul style="list-style-type: none"> Fence Wall Landscape Border Landscaping Raised Structures Parcel (estimated) 	<p>Hardscape</p> <ul style="list-style-type: none"> asphalt block block path brick brick stairs concrete concrete stairs gravel other 	<ul style="list-style-type: none"> paved stone path DU paver rock sand play area stone wood wood landing wood stairs wood steps 	<p>A B C D E F G H I J K</p>
--	--	--	---	--	---	---	--	--

Received By: _____ Date: ____/____/____

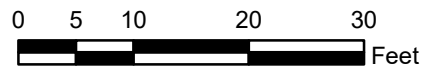


Legend

- Sample Location
- Tax Parcel Boundary (Snohomish County, 2018)
- Decision Unit A (3,171 sq ft)
- Decision Unit B (3,174 sq ft)
- Hard Surface
- Dig Decision**
- Dig to 6 inches
- Dig to 12 inches

Note: Feature locations are approximate.

Utilities Source: Snohomish County
 2015 Imagery Source: Snohomish County



Everett Residential Sampling 2019
 Everett, WA

Address: 812 E Marine View Dr
Parcel ID: 613

19500-12

10/19

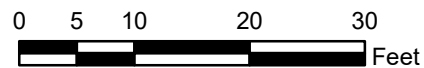




Legend

- Sample Location
 - Tax Parcel Boundary (Snohomish County, 2018)
 - Decision Unit A (6,760 sq ft)
 - Hardscape
- Dig Decision**
- Dig to 12 inches

Note: Feature locations are approximate.
Utilities Source: Snohomish County
2015 Imagery Source: Snohomish County



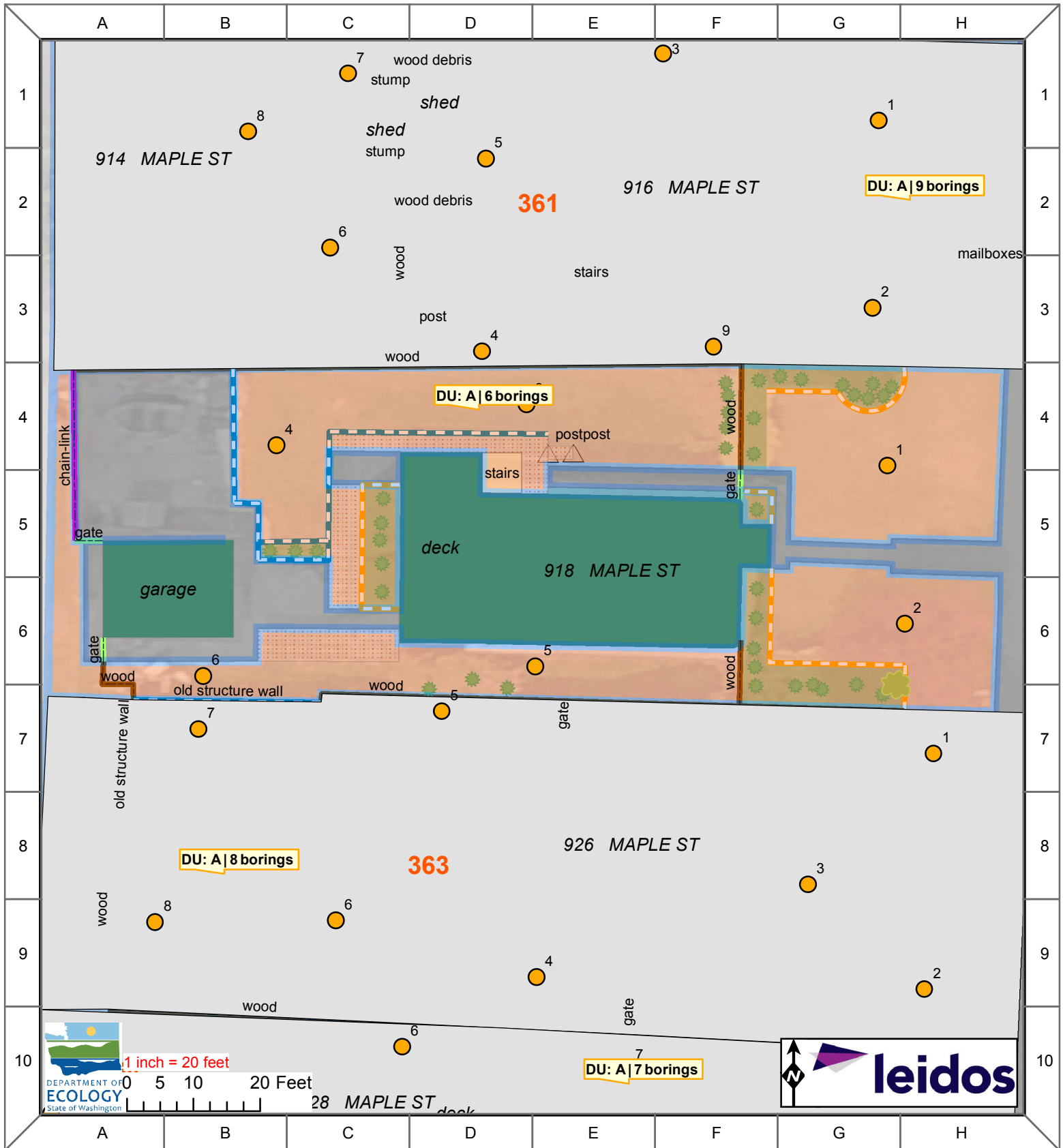
Everett Residential Sampling 2019
Everett, WA

Address: 913 Pine St.
Parcel ID: 354

19500-12

10/19





Everett Smelter Property Cleanup

PLAKINGER JOSEF
918 Maple St
00438718802400

362

	Wall_2014	Raised_Structures_2014
	chain-link	concrete
	gate	gravel
	wood	paver
	Edging_Border_2014	rocks
	Excavation Samples	

GIS: \\haleyaldrich.com\share\sa_projects\notebooks\1950019_ESP_Residential_Yard_Sampling\GIS\GIS1950019_AB_FIELD_MAPS.mxd - e:\indquest - 10/20/2021 5:34:41 PM



LEGEND

◆ Sample Point

Recommended Dig Depth

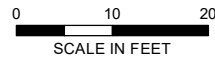
▭ Snohomish County Parcel

■ Dig to 12"

Decision Unit

▭ Decision Unit

▭ Hard Surface



A division of Haley & Aldrich

EVERETT RESIDENTIAL SAMPLING 2021
EVERETT, WA

925 PINE STREET
PARCEL NUMBER: 00438718801200

ECY ID: 355

OCTOBER 2021



Legend

- Sample Locations
- Tax Parcel Boundary (Snohomish County, 2018)
- Decision Unit A (5,509 sq ft)
- Hardscape

Dig Decision

- Dig to 12 inches

Note: Feature locations are approximate.

Utilities Source: Snohomish County
2015 Imagery Source: Snohomish County



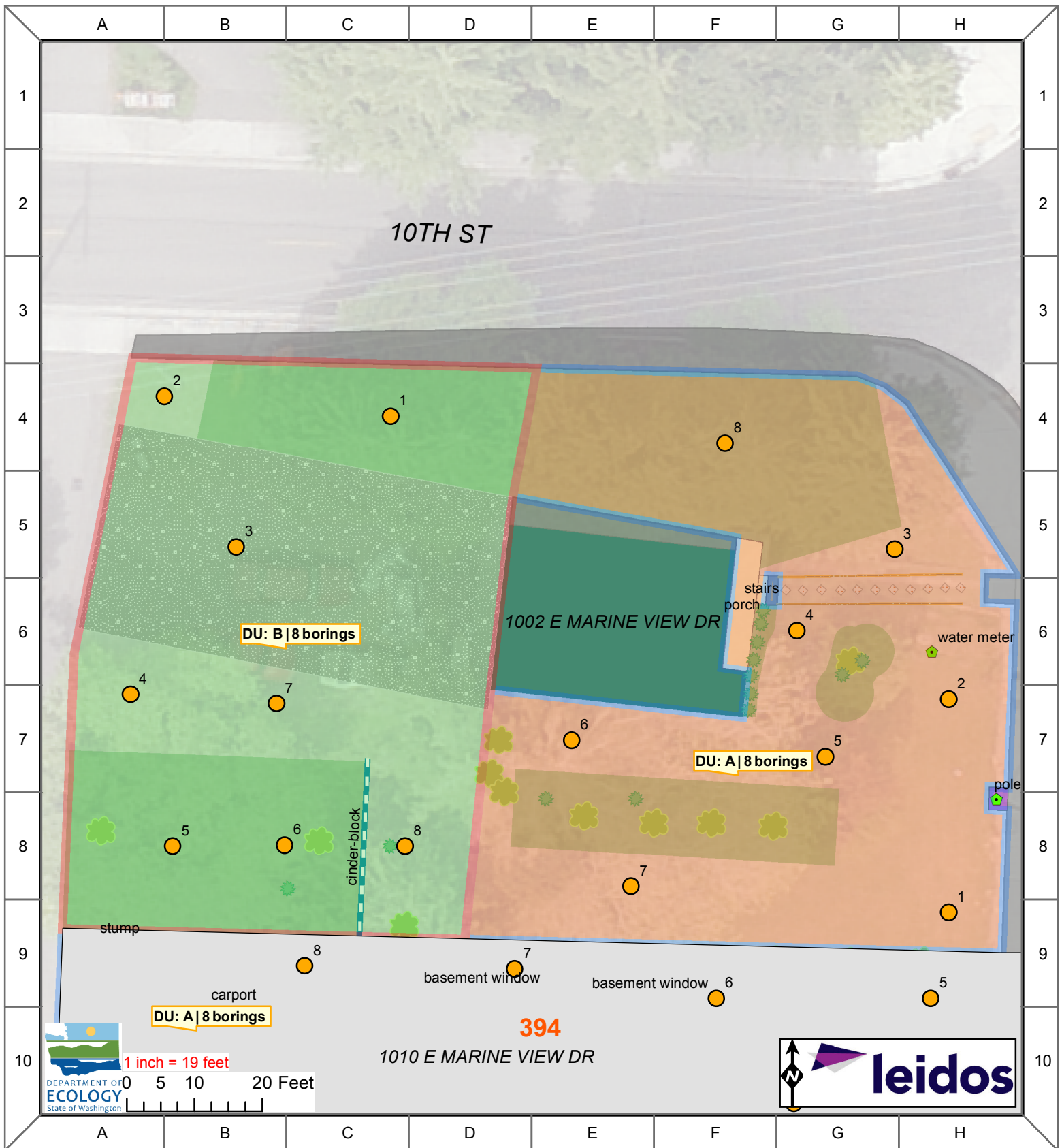
Everett Residential Sampling 2019
Everett, WA

Address: 1001 Maple St
Parcel ID: 384

19500-12

10/19



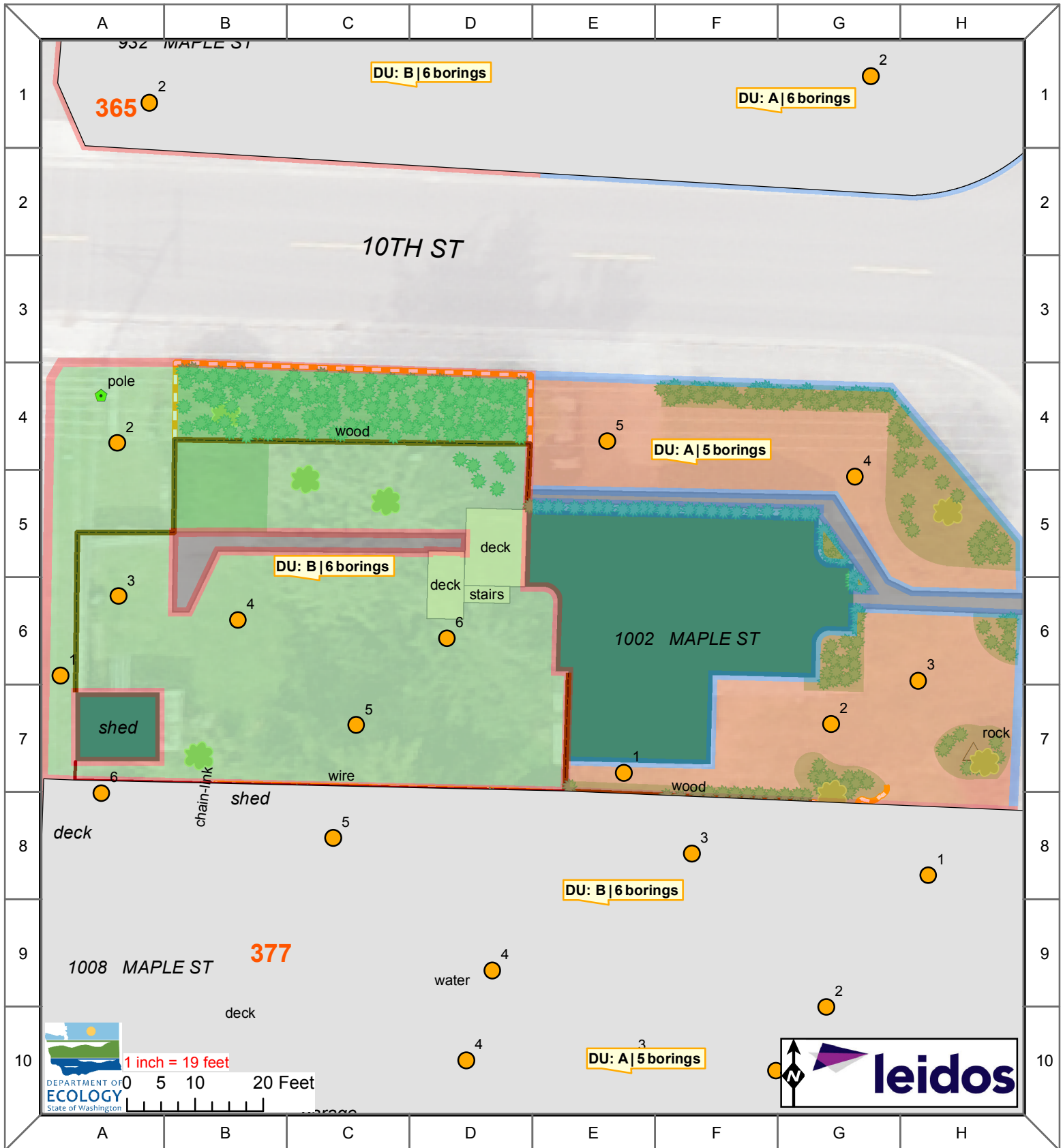


Everett Smelter Property Cleanup

Wooldridge, Gary
 1002 E Marine View Dr
 00438719200004

393

utility_2014	Raised_Structures_2014	<all other values>
bush	Wall_2014	concrete
tree	Excavation Samples	gravel
A		paver
B		wood
		other_2014



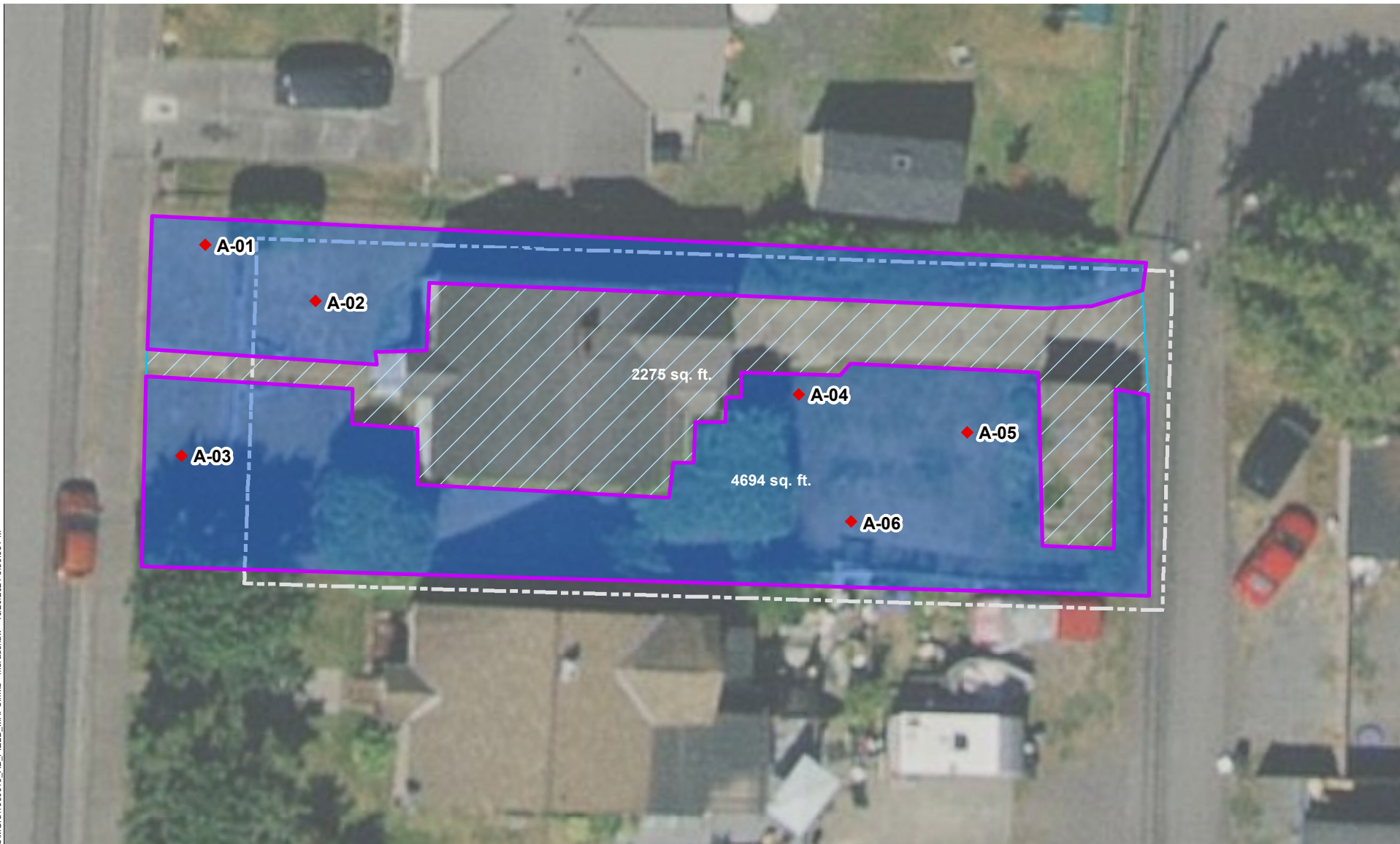
Everett Smelter Property Cleanup

NEAL TIMOTHY & SANDRA
 1002 Maple St
 00438719303300

376

- | | | | | | |
|--|------------|--|--------------------|--|------------------------|
| | bush | | <all other values> | | Edging_Border_2014 |
| | tree | | chain-link | | Excavation Samples |
| | other_2014 | | wood | | Raised_Structures_2014 |
| | A | | crawlspace_2014 | | concrete |
| | B | | utility_2014 | | paver |

GIS: Y:\1950019_ESP_Residential_Yard_Sampling\GIS\MAPS\1950019_AB_FIELD_MAPS.mxd - mbradshaw - 10/20/2021 5:36:53 PM



LEGEND

◆ Sample Point

▭ Snohomish County Parcel

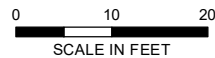
Decision Unit

▭ Decision Unit A

▭ Hard Surface

Recommended Dig Depth

▭ Dig to 24"



A division of Haley & Aldrich

EVERETT RESIDENTIAL SAMPLING 2021
EVERETT, WA

1005 MAPLE STREET
PARCEL NUMBER: 00438719200014

ECY ID: 385

OCTOBER 2021



Legend

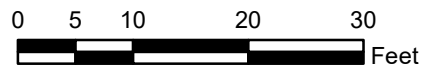
- Sample Location
- Tax Parcel Boundary (Snohomish County, 2018)
- Decision Unit A (4,388 sq ft)
- Hardscape

Dig Decision

- Dig to 6 inches

Note: Feature locations are approximate.

Utilities Source: Snohomish County
 2015 Imagery Source: Snohomish County



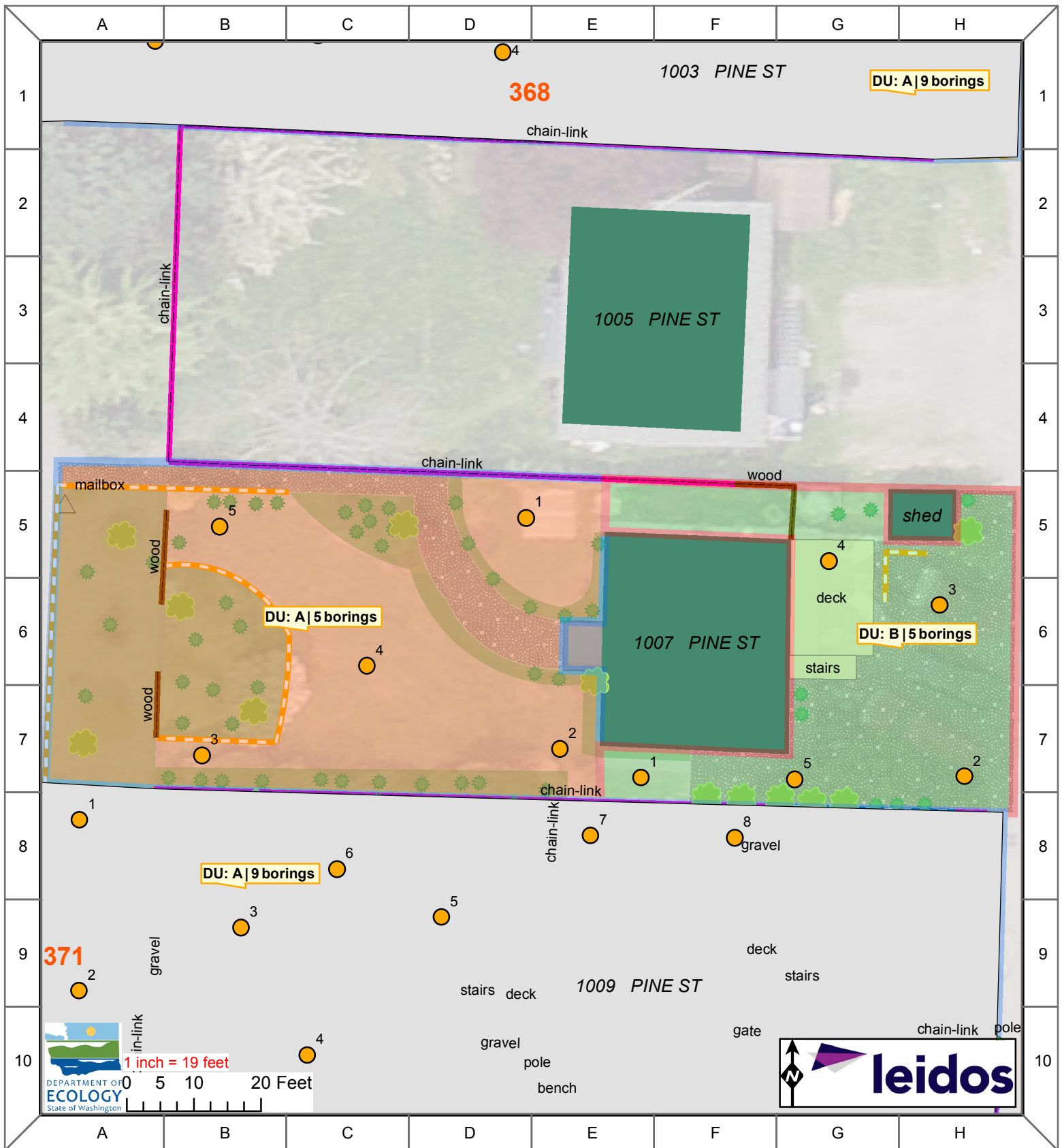
Everett Residential Sampling 2019
 Everett, WA

Address: 1005 Pine St
Parcel ID: 369

19500-12

10/19



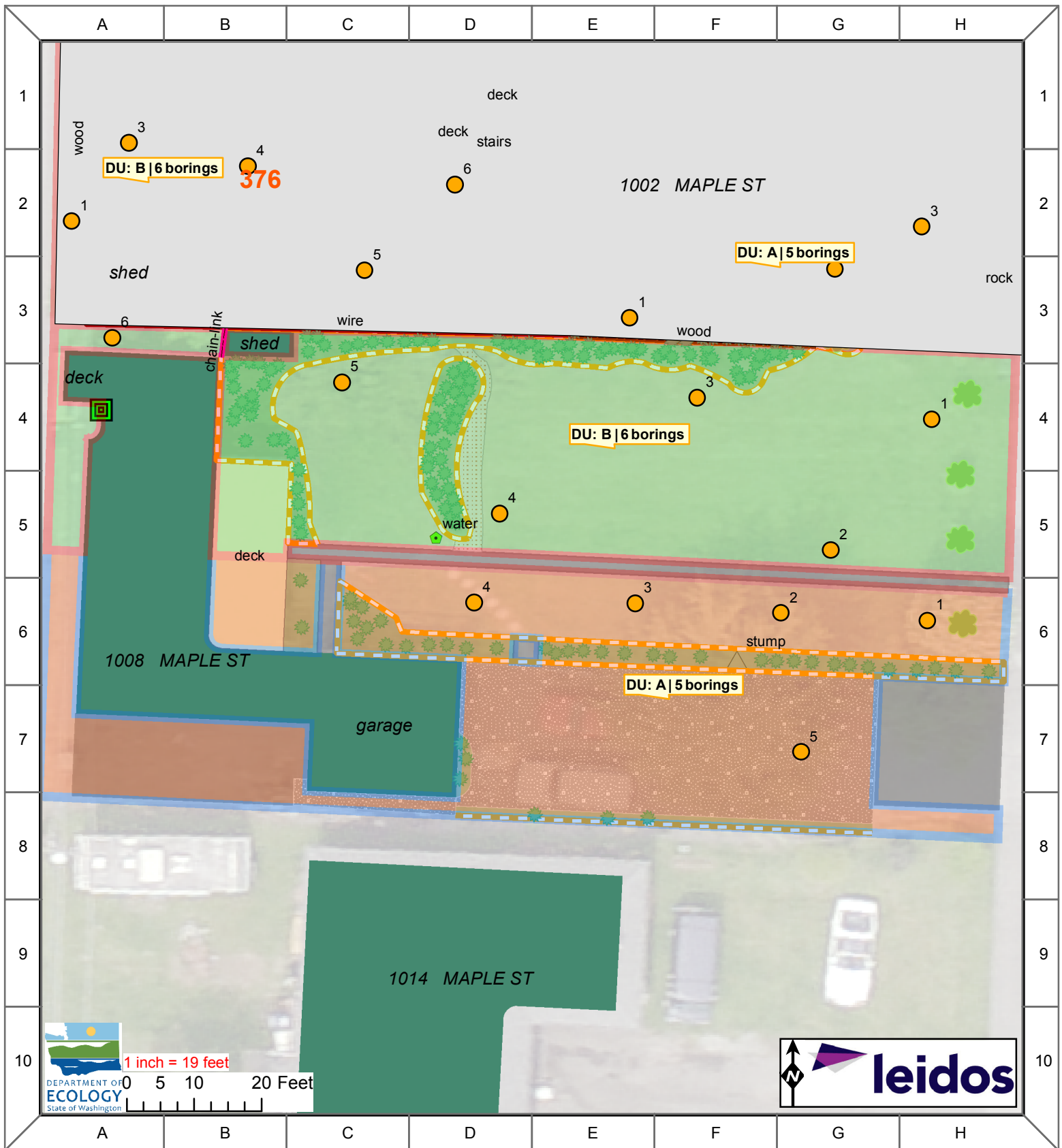


Everett Smelter Property Cleanup

CORBETT JACK E
1007 Pine St
00438719300700

370

- | | | |
|--------------|--------------------|------------------------|
| utility_2014 | Wall_2014 | Raised_Structures_2014 |
| bush | chain-link | concrete |
| tree | gate | gravel |
| A | wood | other_2014 |
| B | Edging_Border_2014 | Excavation Samples |

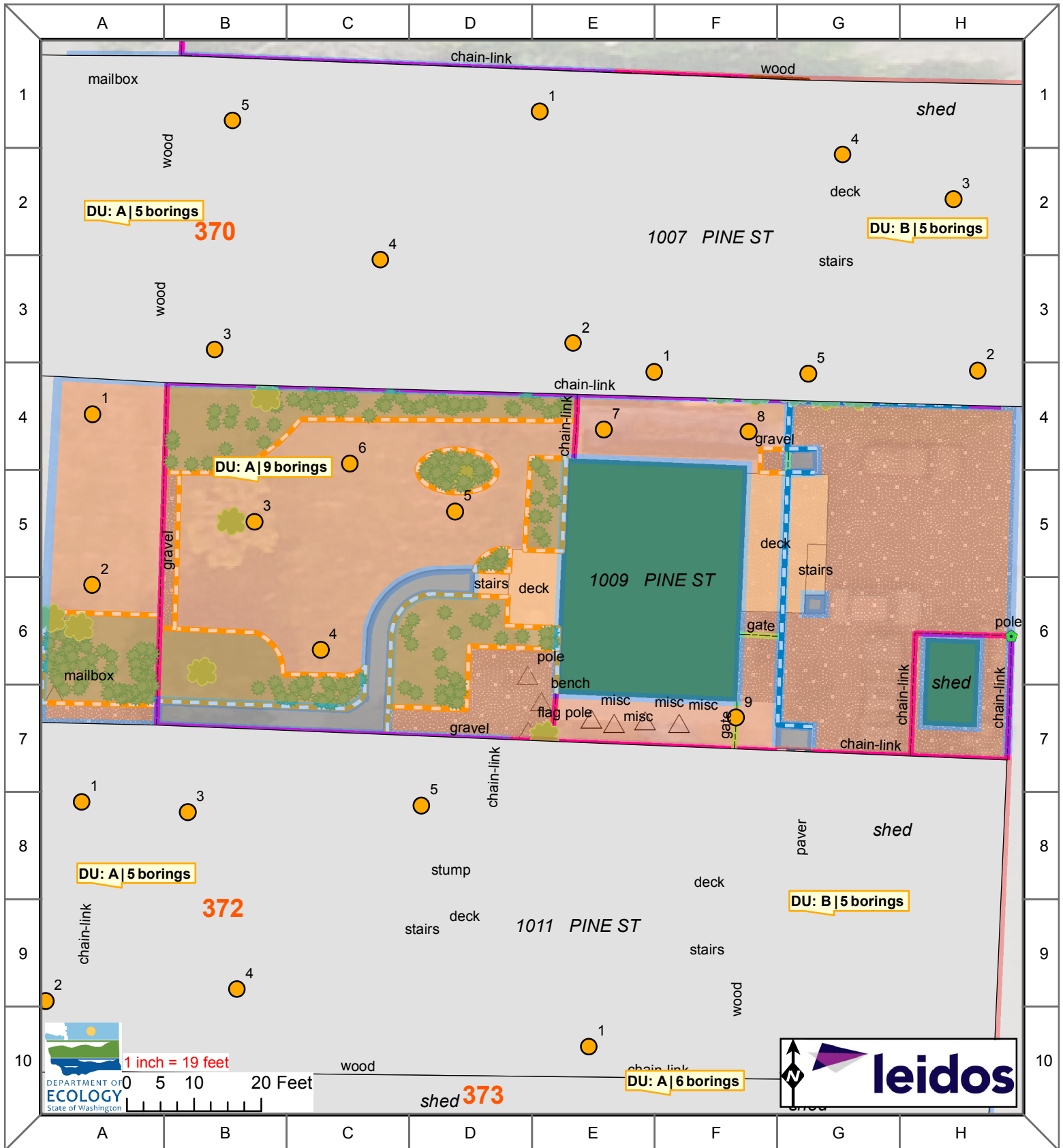


Everett Smelter Property Cleanup

ERDLE LINNIE I
 1008 Maple St
 00438719303000

377

- | | | |
|----------------|--------------------|------------------------|
| crawspace_2014 | <all other values> | Raised_Structures_2014 |
| utility_2014 | chain-link | asphalt |
| bush | wood | concrete |
| tree | Edging_Border_2014 | gravel |
| A | Excavation Samples | paver |
| B | | other_2014 |

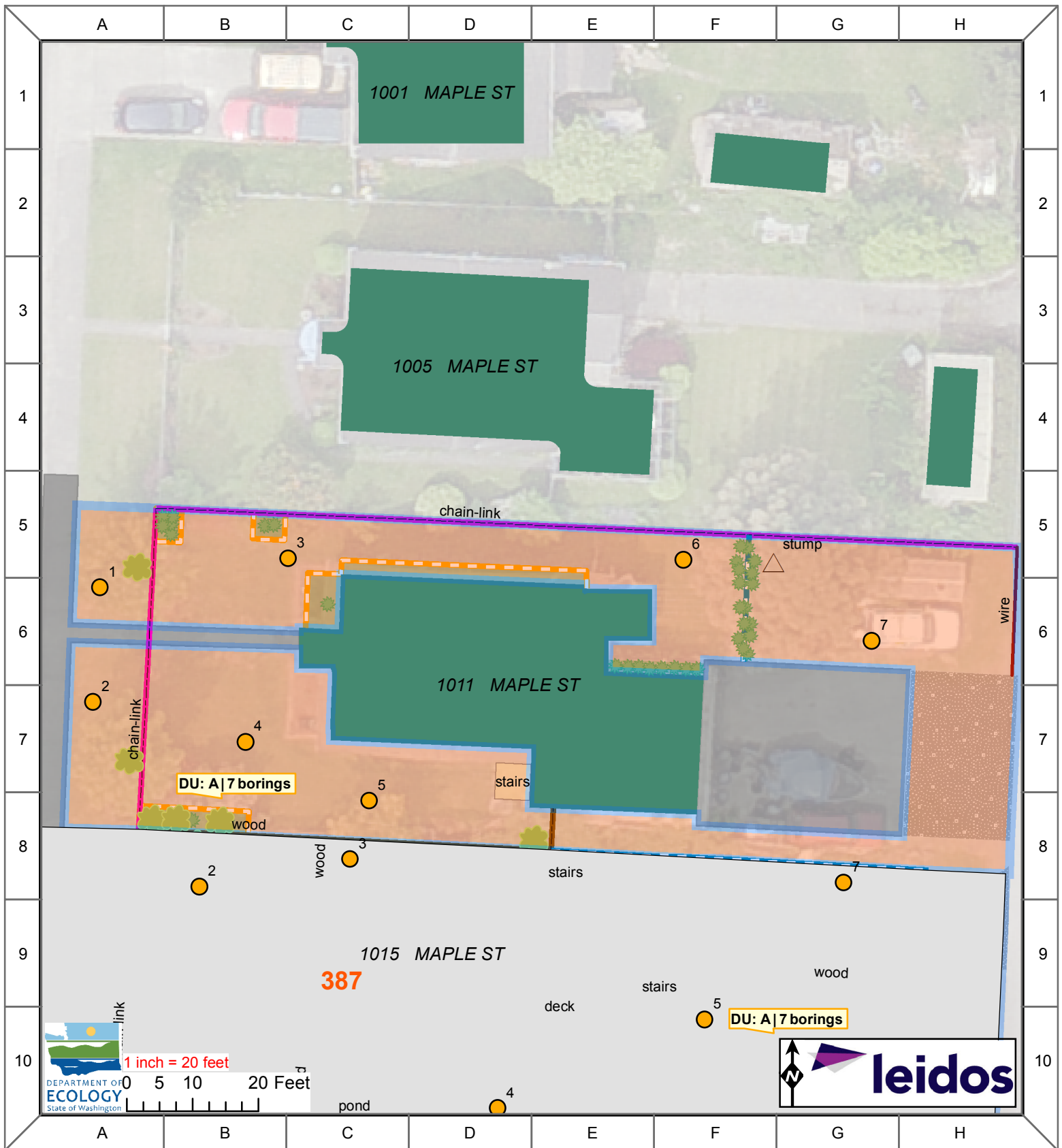


Everett Smelter Property Cleanup

KOMBOL WAYNE J
1009 Pine St
00438719300900

371

utility_2014	Wall_2014	Raised_Structures_2014
bush	chain-link	concrete
tree	gate	gravel
A	wood	paver
Edging_Border_2014	Excavation Samples	rocks
	other_2014	

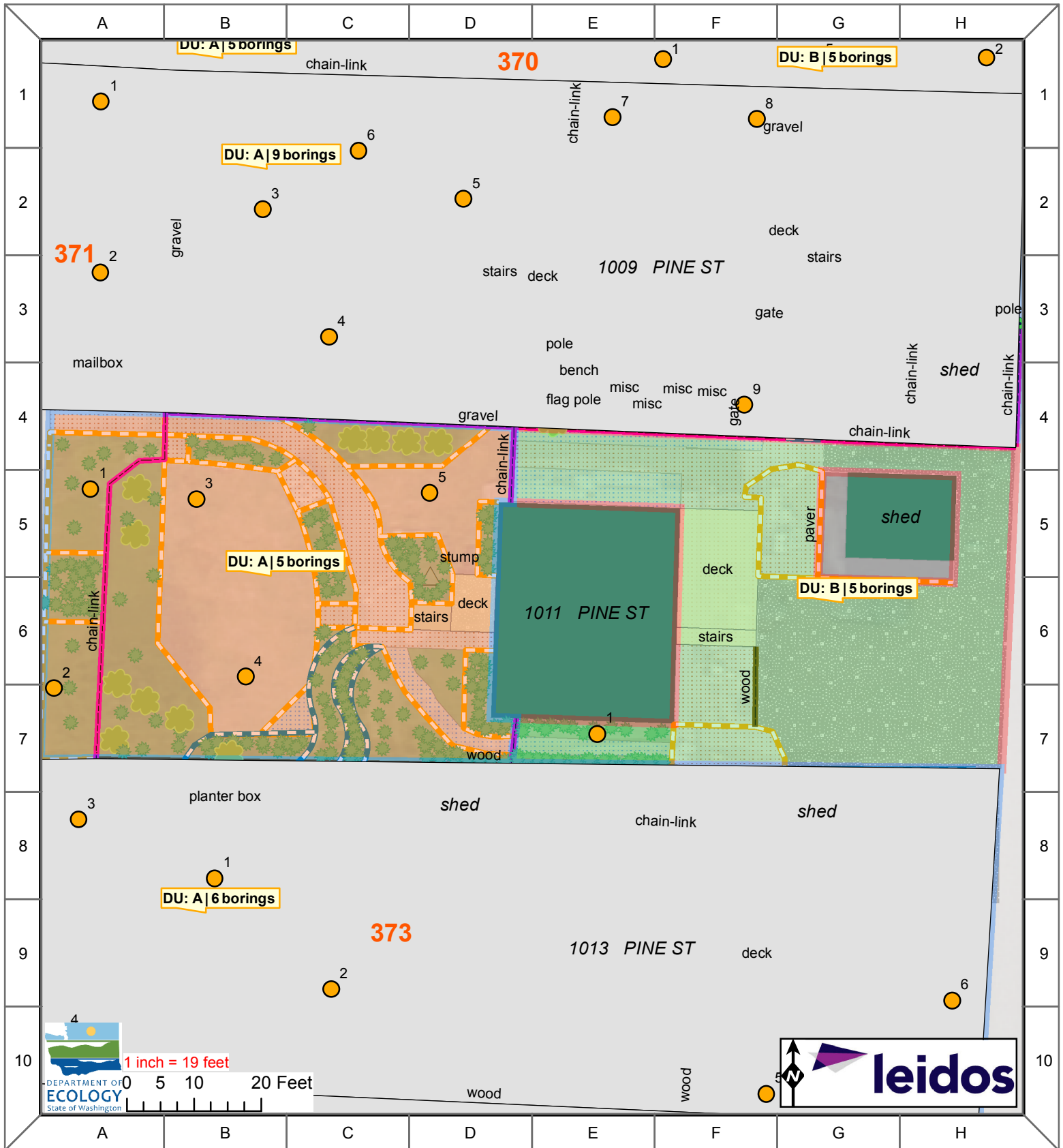


Everett Smelter Property Cleanup

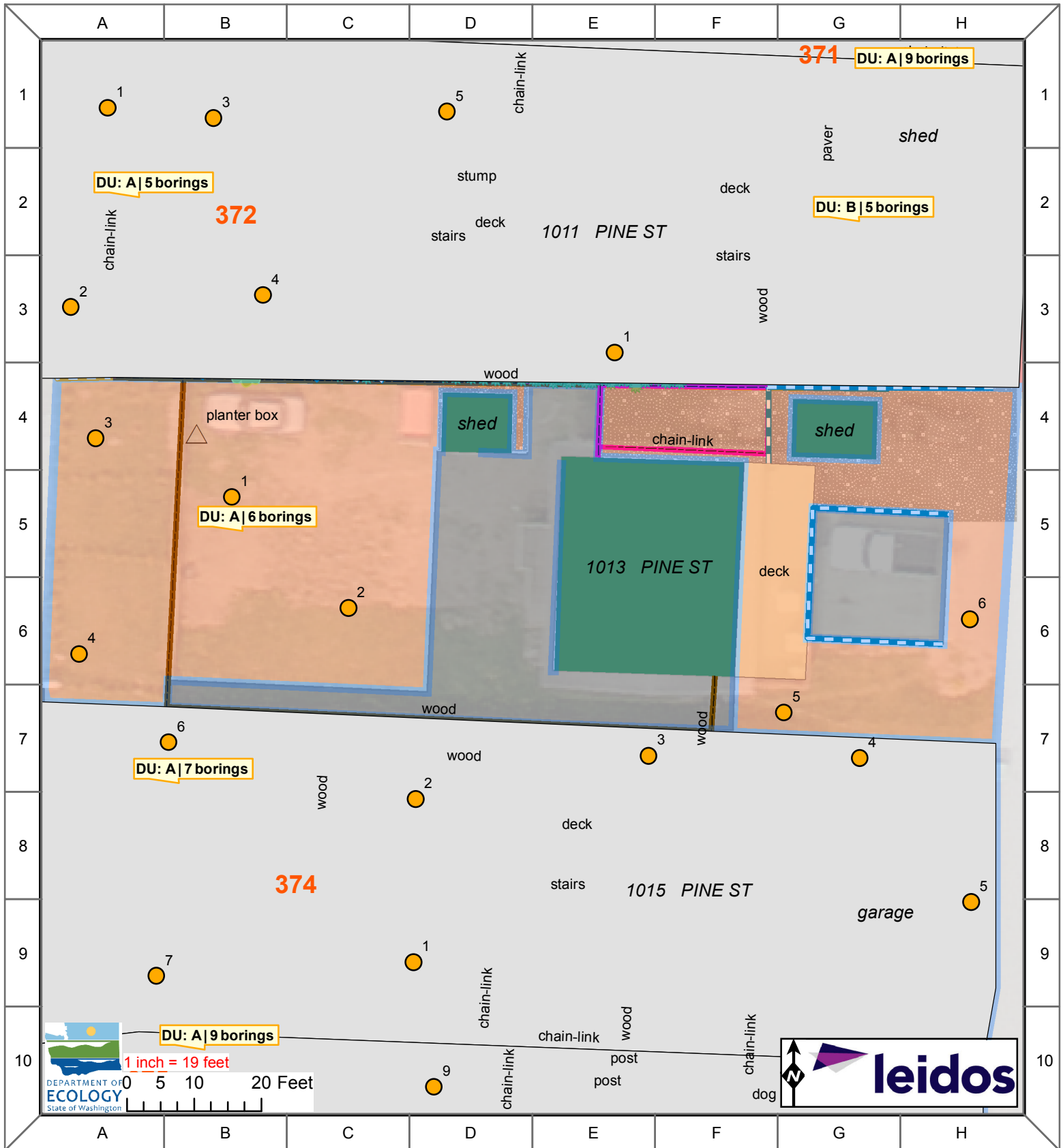
Boddy, Kevin G
1011 Maple St
00438719200017

386

- | | | |
|--------------------|--------------------|------------------------|
| bush | Wall_2014 | Raised_Structures_2014 |
| tree | <all other values> | concrete |
| A | wood | gravel |
| Edging_Border_2014 | chain-link | Utility_POLY_2014 |
| | other_2014 | |



<p>Everett Smelter Property Cleanup</p> <p>WALL CURTIS D 1011 Pine St 00438719301100</p> <p style="font-size: 2em; color: blue;">372</p>	utility_2014	Wall_2014	Raised_Structures_2014
	bush	chain-link	concrete
	tree	gate	gravel
	A	wood	paver
	B	Edging_Border_2014	rocks
	Excavation Samples	other_2014	

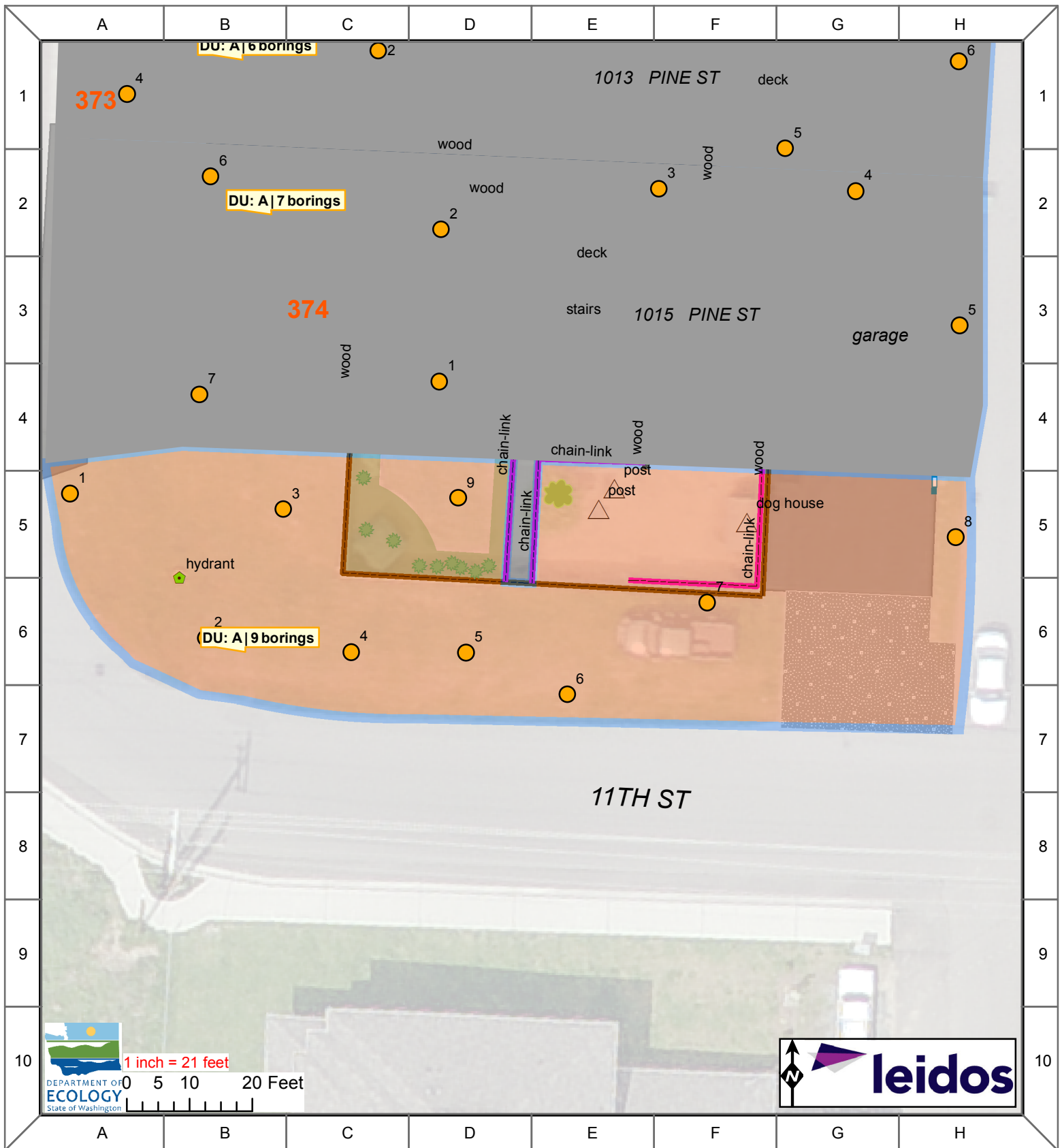


Everett Smelter Property Cleanup

KAHLOR ROBERT & LORETTA
 1013 Pine St
 00438719301300

373

- | | | |
|--------------------|------------|------------------------|
| bush | Wall_2014 | Raised_Structures_2014 |
| tree | chain-link | brick |
| other_2014 | gate | concrete |
| A | wood | gravel |
| Edging_Border_2014 | post | paver |
| Excavation Samples | dog | rocks |



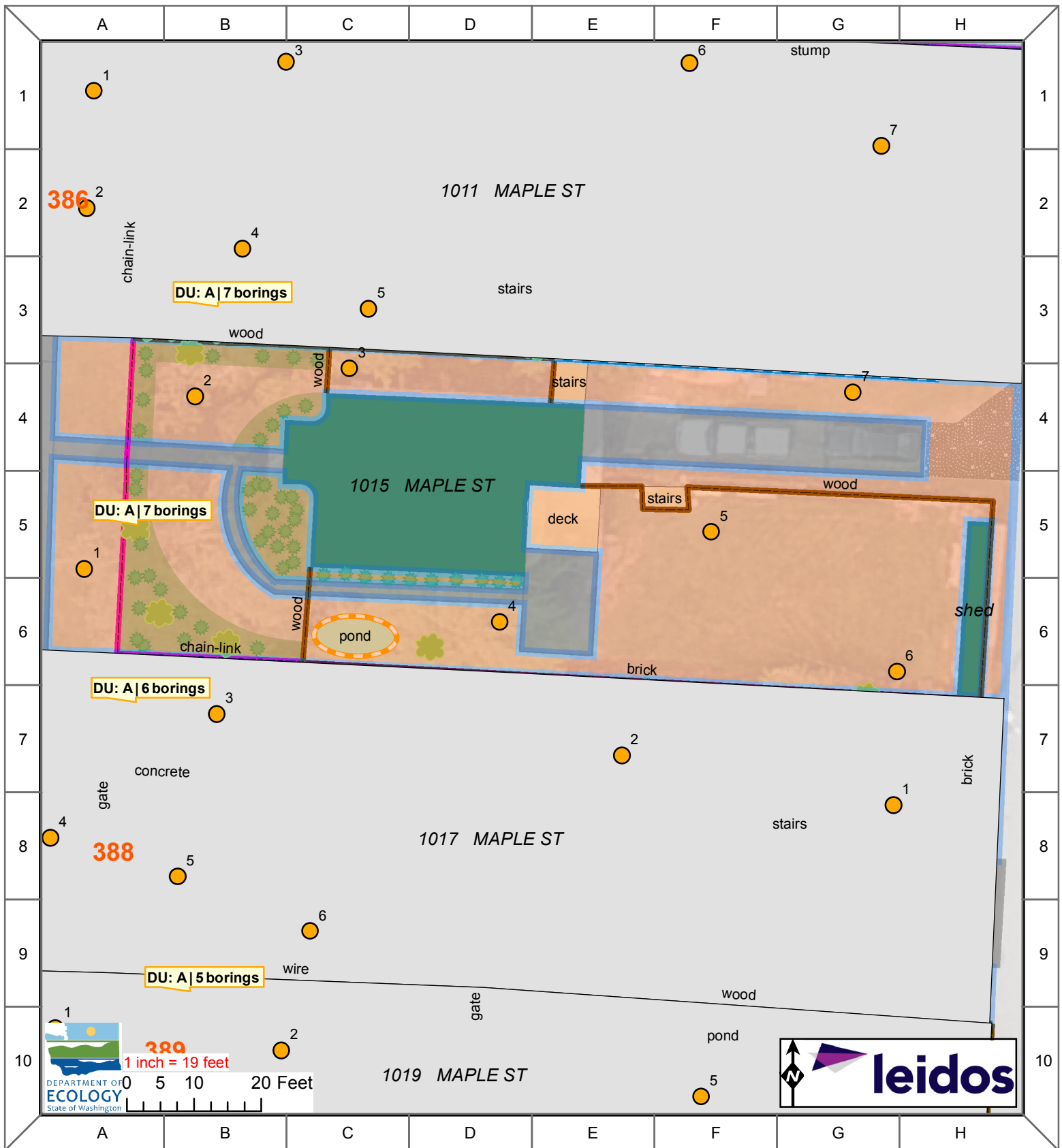
Everett Smelter Property Cleanup

KAHLOR ROBERT

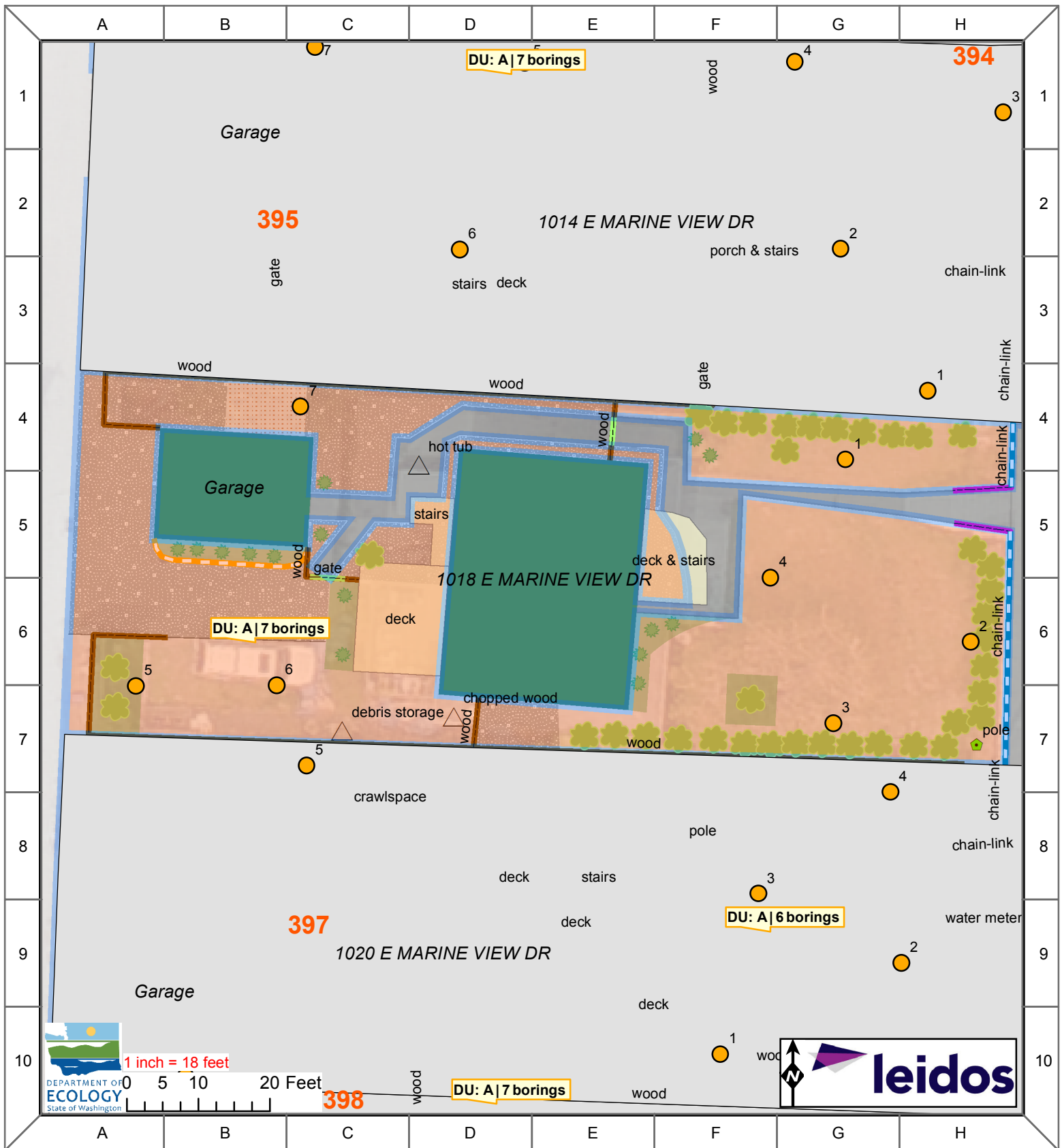
00438719301700

375

- | | | |
|--------------|--------------------|------------------------|
| utility_2014 | Wall_2014 | Raised_Structures_2014 |
| bush | chain-link | brick |
| tree | wood | concrete |
| A | Excavation Samples | gravel |
| | | other_2014 |



<h2>Everett Smelter Property Cleanup</h2> <p>Small, Dwane L 1015 Maple St 00438719200015</p> <h1>387</h1>			<ul style="list-style-type: none"> utility_2014 bush tree other_2014 A Wall_2014 	<ul style="list-style-type: none"> <all other values> chain-link gate wood Utility_POLY_2014 Edging_Border_2014 Excavation Samples 	<ul style="list-style-type: none"> Raised_Structures_2014 <all other values> asphalt concrete gravel paver Vegetation_POLY_2014
---	--	--	--	--	---

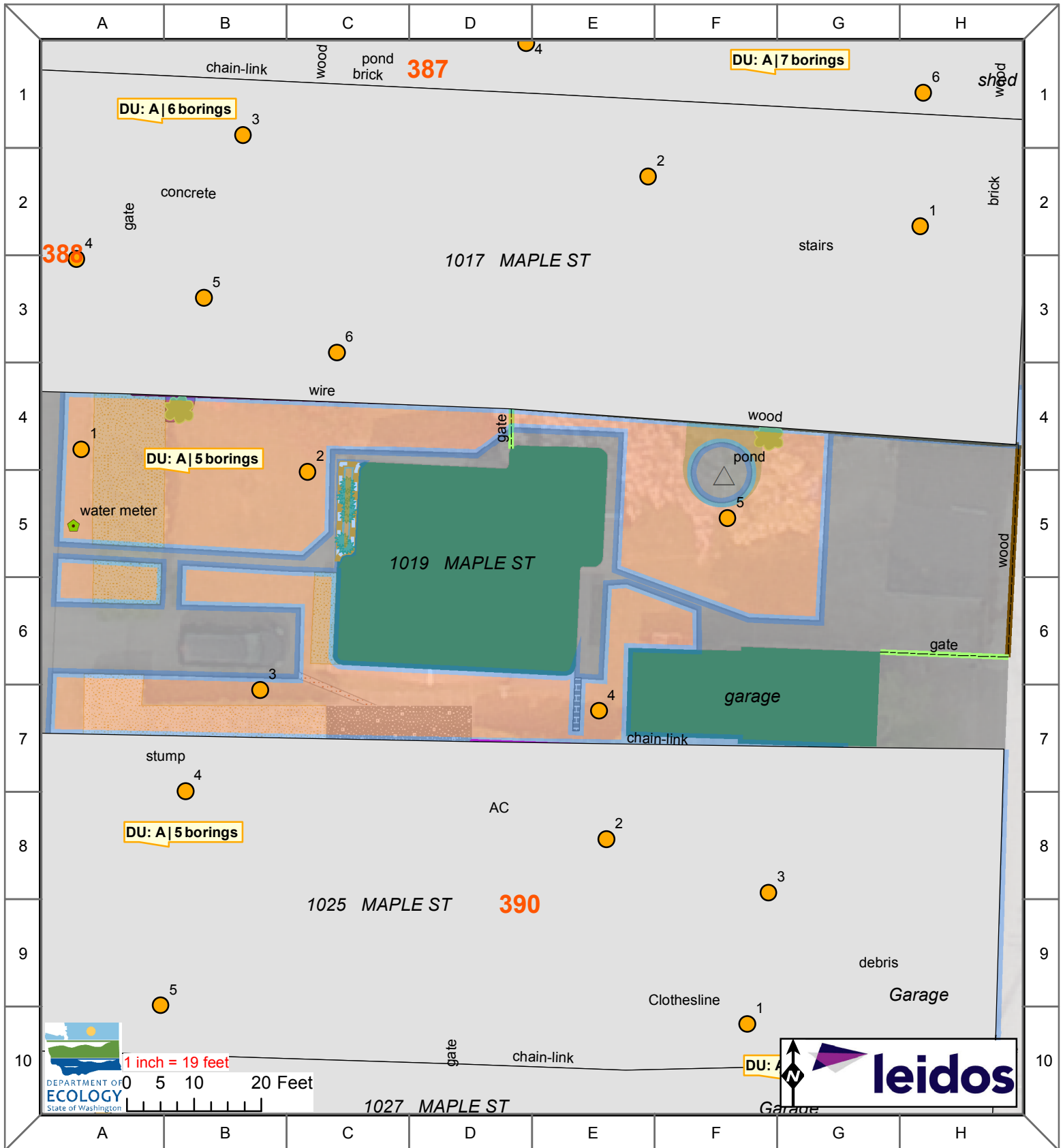


Everett Smelter Property Cleanup

Forgey, Daniel A & Cheryl
 1018 E Marine View Dr
 00438719200007

396

utility_2014	chain-link	<all other values>
bush	gate	asphalt
tree	wood	brick
other_2014	Edging_Border_2014	concrete
A	Raised_Structures_2014	gravel
Excavation Samples	Wall_2014	paver
		wood

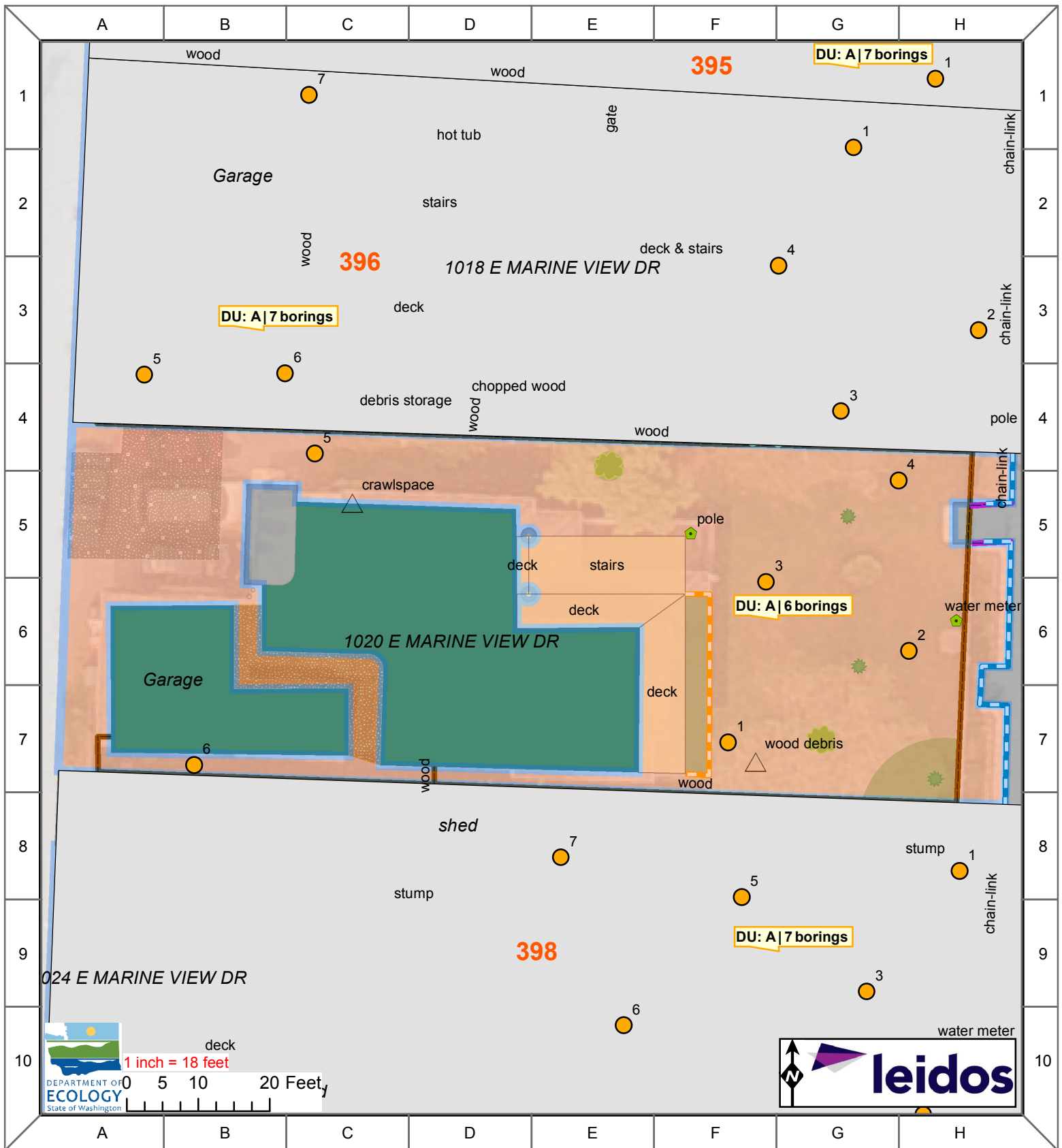


Everett Smelter Property Cleanup

Pina-Perez, Nicolas
 1019 Maple St
 00438719200016

389

	utility_2014		<all other values>		Raised_Structures_2014
	bush		chain-link		<all other values>
	tree		gate		asphalt
	other_2014		wood		brick
	A		Utility_POLY_2014		concrete
	Wall_2014		Edging_Border_2014		gravel
			Excavation Samples		paver
			Vegetation_POLY_2014		wood

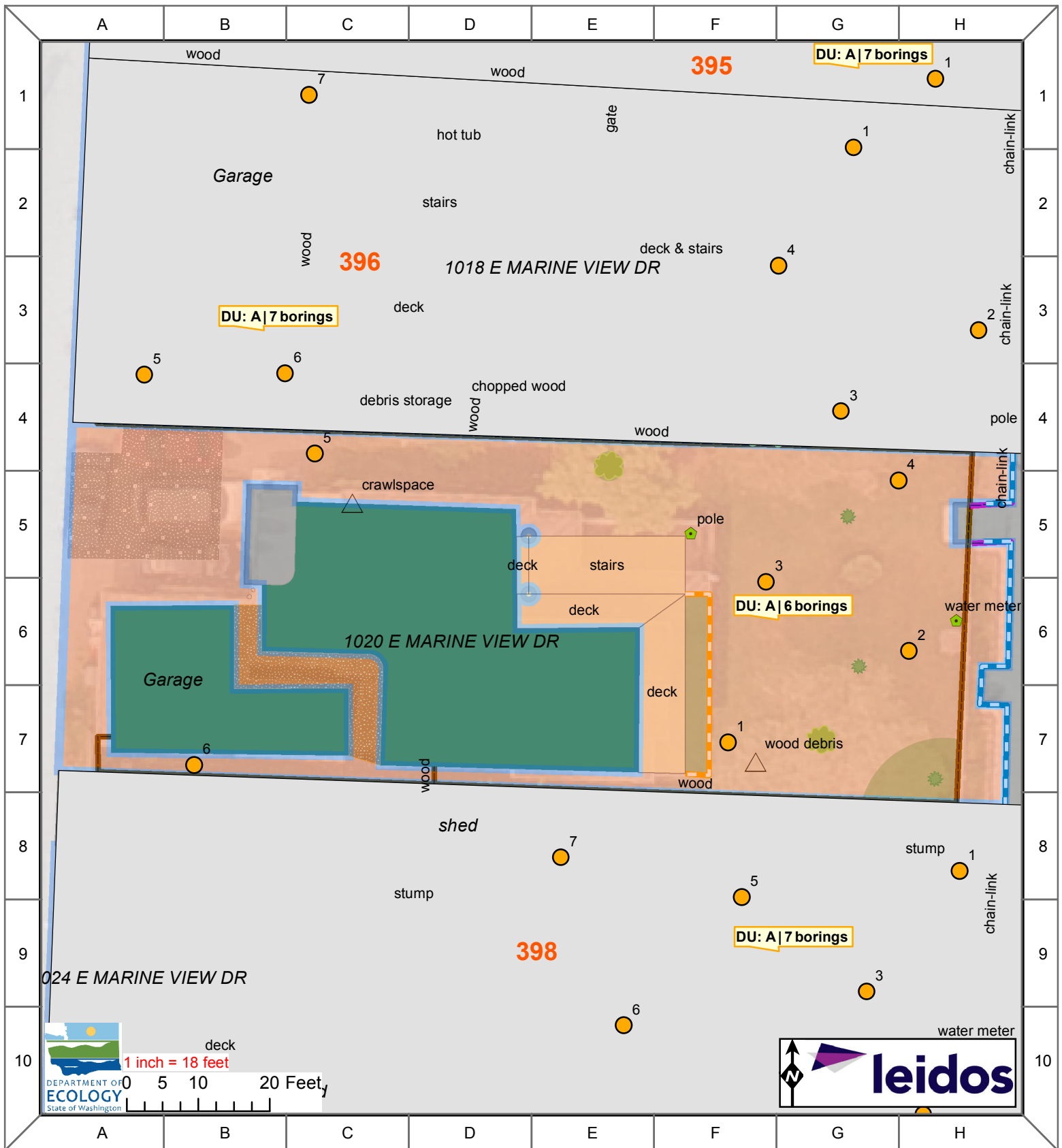


Everett Smelter Property Cleanup

Pearce, Genise L & Tuck James E
1020 E Marine View Dr
00438719200001

397

utility_2014	chain-link	<all other values>
bush	gate	brick
tree	wood	concrete
A	Edging_Border_2014	gravel
	Raised_Structures_2014	paver
	Wall_2014	wood
	Excavation Samples	other_2014



Everett Smelter Property Cleanup

Pearce, Genise L & Tuck James E
 1020 E Marine View Dr
 00438719200001

397

- | | | |
|--------------|------------------------|--------------------|
| utility_2014 | chain-link | <all other values> |
| bush | gate | brick |
| tree | wood | concrete |
| A | Edging_Border_2014 | gravel |
| | Raised_Structures_2014 | paver |
| | Wall_2014 | wood |
| | Excavation Samples | other_2014 |



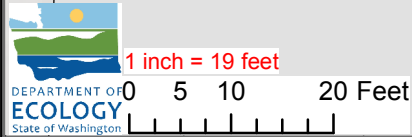
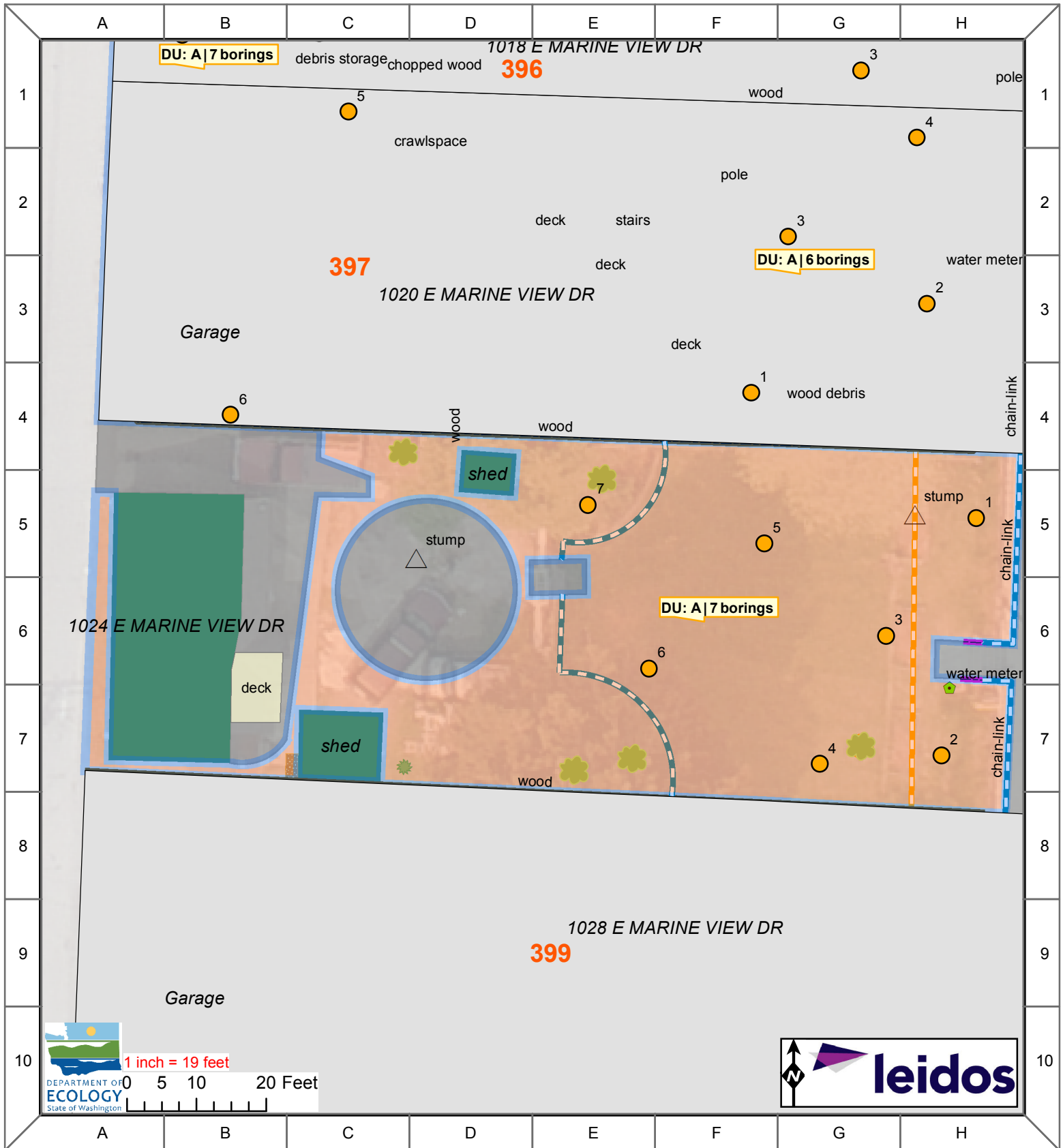
PHILLIPS SIONE K
1022 MAPLE ST
00438719302300

Recommended Cleanup Depth(s)

 12"

Sample Locations

 Decision Unit A

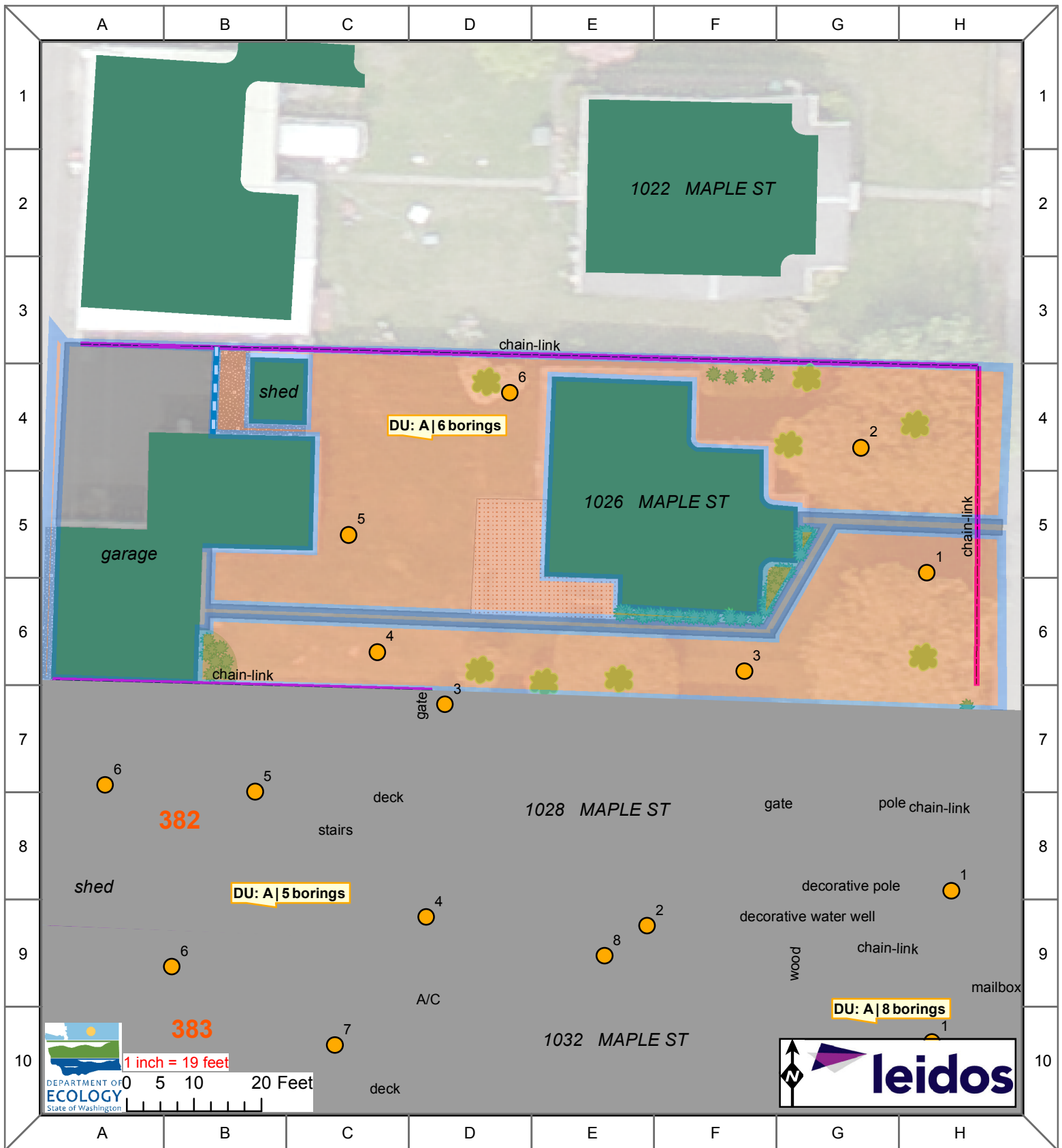


Everett Smelter Property Cleanup

Eardley, Donald C
1024 E Marine View Dr
00438719200009

398

- | | | |
|--------------|------------------------|------------|
| utility_2014 | chain-link | concrete |
| bush | wood | gravel |
| tree | Edging_Border_2014 | paver |
| A | Raised_Structures_2014 | wood |
| | Wall_2014 | other_2014 |
| | Excavation Samples | |

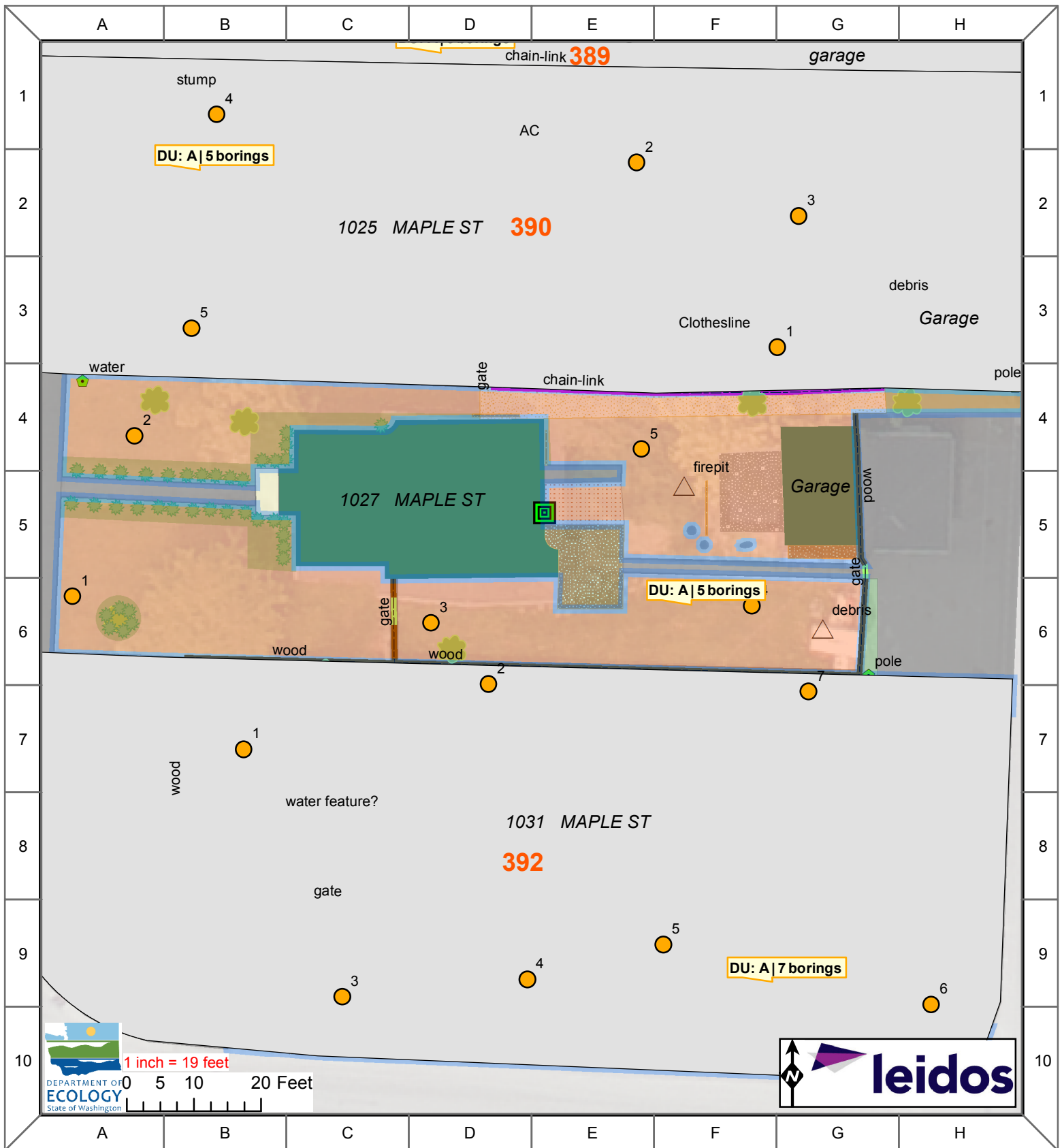


Everett Smelter Property Cleanup

MCPAHAN-MORELAND BETHANY
1026 Maple St
00438719302100

381

- | | | |
|------------|--------------------|------------------------|
| bush | Wall_2014 | Raised_Structures_2014 |
| tree | chain-link | concrete |
| other_2014 | gate | gravel |
| A | wood | paver |
| | Edging_Border_2014 | |
| | Excavation Samples | |

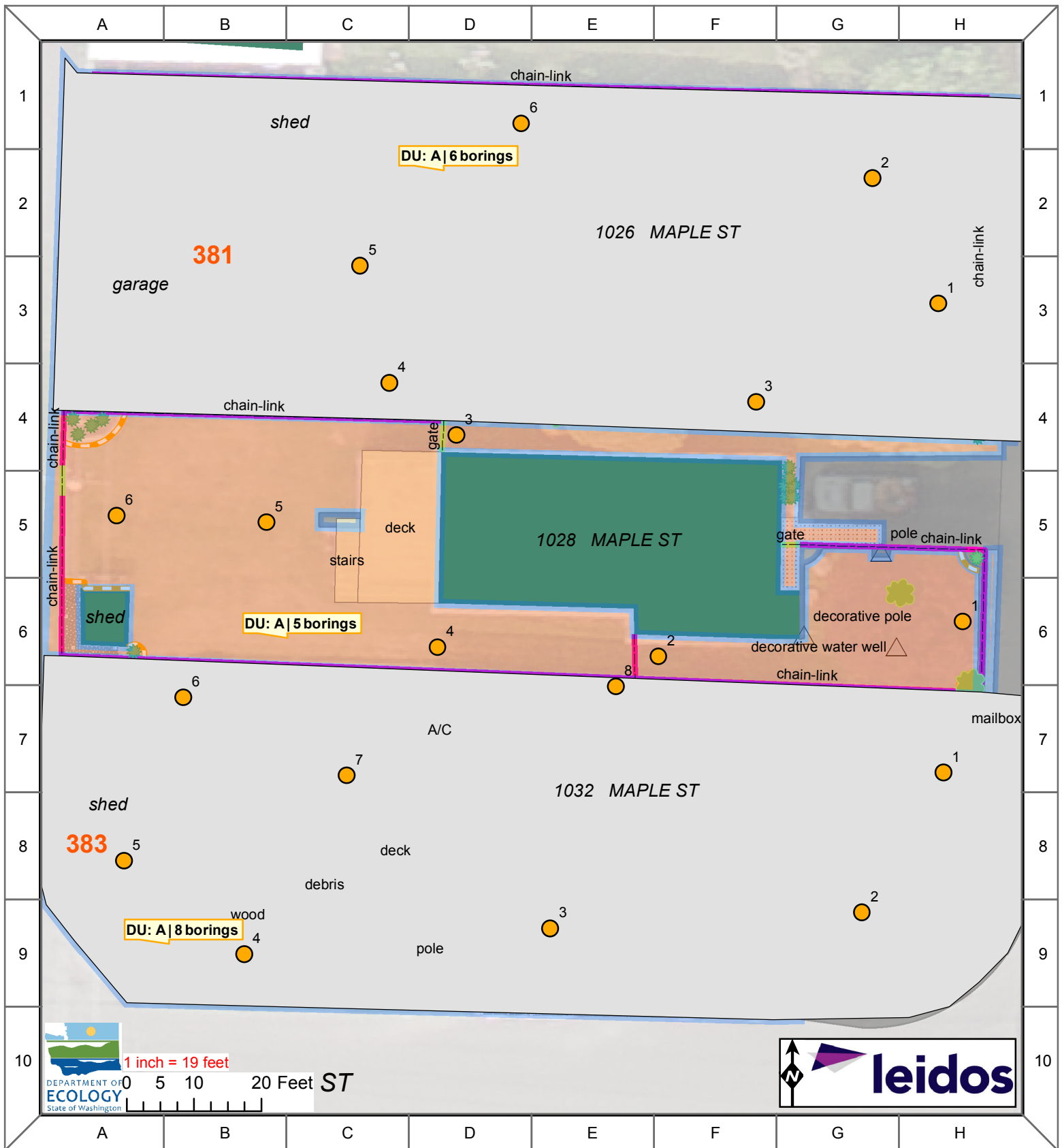


Everett Smelter Property Cleanup

Larson, Russell V & Patricia A
 1027 Maple St
 00438719200010

391

crawlspace_2014	chain-link	asphalt
utility_2014	gate	brick
bush	wood	concrete
tree	Wall_2014	gravel
A	Edging_Border_2014	paver
	Vegetation_POLY_2014	rocks
	Raised_Structures_2014	wood
	Excavation Samples	other_2014



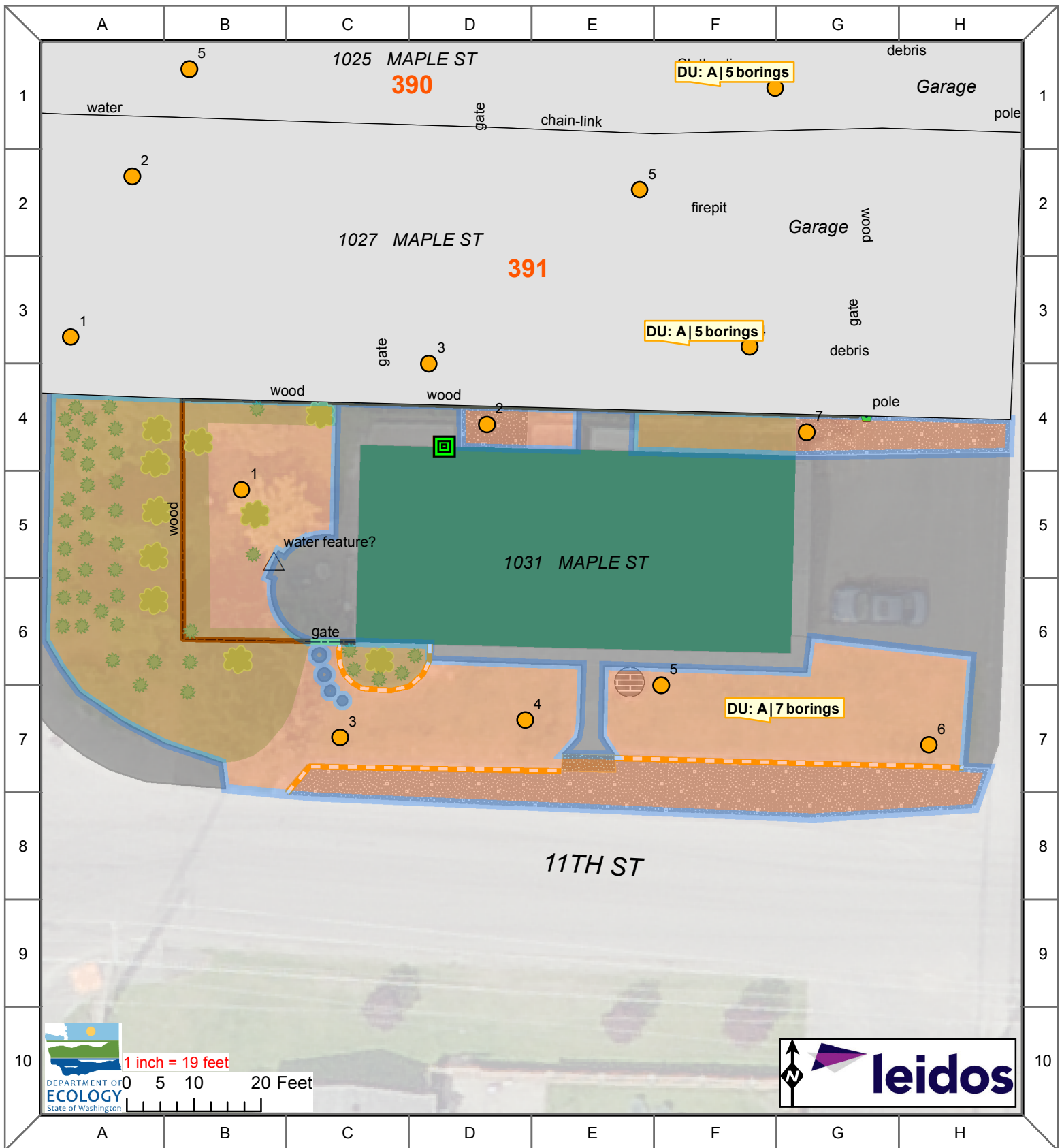
1 inch = 19 feet
 0 5 10 20 Feet ST



Everett Smelter Property Cleanup
WETSTEIN SUSAN T
1028 Maple St
00438719301900

382

utility_2014	Wall_2014	Raised_Structures_2014
bush	chain-link	<all other values>
tree	gate	concrete
A	wood	gravel
	Edging_Border_2014	paver
	Excavation Samples	other_2014



Everett Smelter Property Cleanup

O'Brian, April M
 1031 Maple St
 00438719200011

392




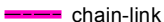
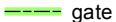






	crawspace_2014		chain-link		asphalt
	utility_2014		gate		brick
	bush		wood		concrete
	tree		Edging_Border_2014		gravel
	A		Vegetation_POLY_2014		paver
	Raised_Structures_2014		Wall_2014		rocks
	Excavation Samples		other_2014		wood



Everett Smelter Property Cleanup

**Woods, Donald R Jr.
1032 E Marine View Dr
00438719200002**

400

-  utility_2014
-  A
-  B
-  chain-link
-  gate
-  wood
-  Edging_Border_2014
-  Excavation Samples
-  concrete
-  Wall_2014
-  other_2014



Legend

- Sample Location
- Tax Parcel Boundary (Snohomish County, 2018)
- Decision Unit A (4,523 sq ft)
- Hardscape

Dig Decision

- Dig to 12 inches

Note: Feature locations are approximate.

Utilities Source: Snohomish County
2015 Imagery Source: Snohomish County



Everett Residential Sampling 2019
Everett, WA

Address: 2905 10th St
Parcel ID: 357

19500-12

10/19






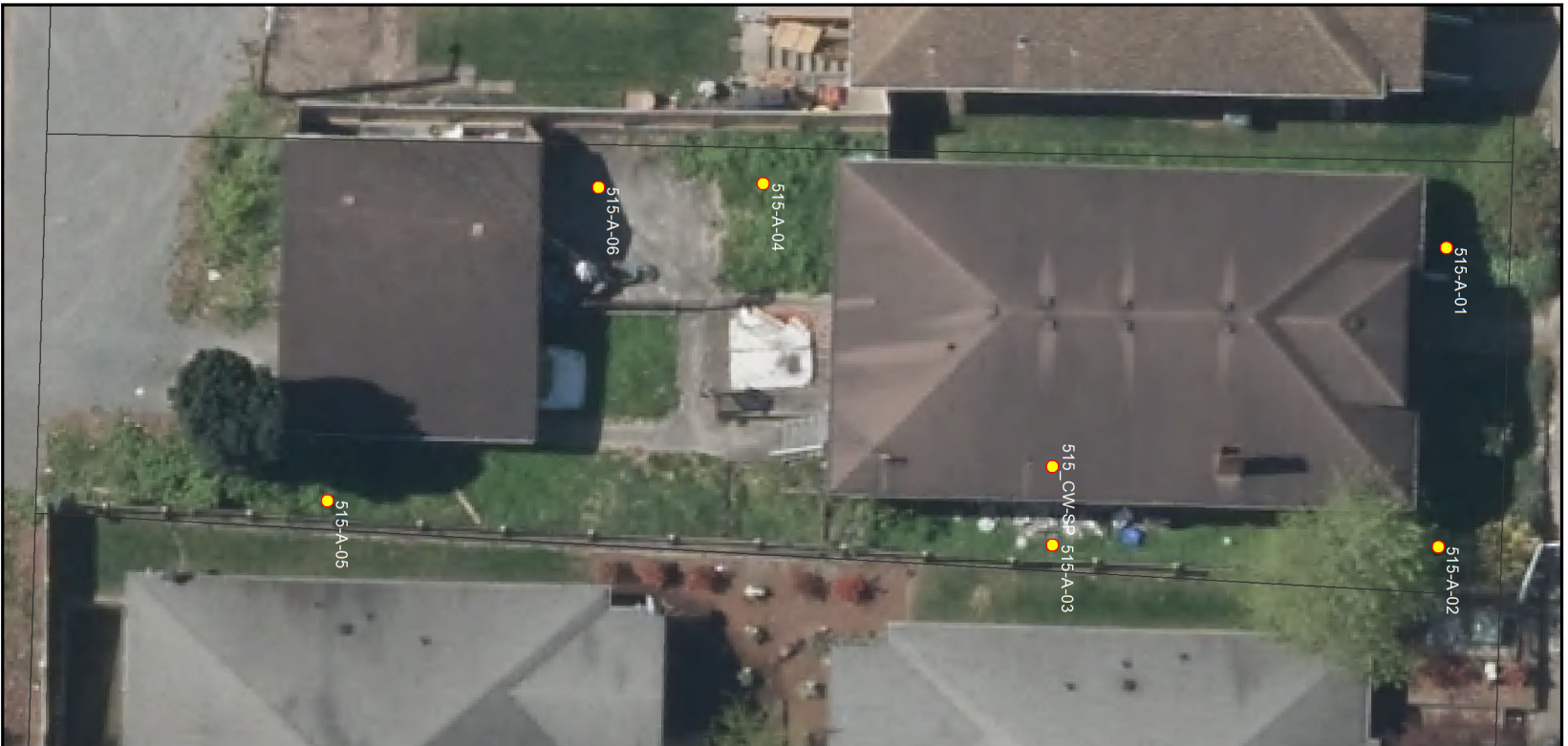
URTZ NATHAN
3016 BUTLER ST
00396600000600

Recommended Cleanup Depth(s)

 24"

Sample Locations

 Decision Unit A



Soil Sampling Locations

LUIS HERNANDEZ-GUZMAN
3110 8th ST
Property ID: 515
Parcel #: 00612300000800



Everett Smelter Homesite Cleanup

Hamo Investments LLC
3121 8th St
01106700000100

SAIC House #
151
1 inch block



Asphalt	Landscaping	Concrete Wall	Utility	Hydrant
Concrete	Vegetation	Landscape Wall	Above Ground Storage Tank	Irrigation
Gravel	Tree	Railroad Tie Wall	Underground Storage Tank	Light Pole
Block	Bush	Interlocking Block Wall	Low voltage Lighting	Manhole
Brick	Crawlspace Entry	Curb	Box	Utility Pole
Paver	Fence	Rockery	Cleanout	Water Shutoff
Sand	Other		Gas	Public Water
Stone				Public Sewer
Tile				
Wood				
Other				

Utilities on map are a general representation only, and should not be used for locating purposes.



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 30, 2019

Jamalyn Green
Hart Crowser, Inc.
3131 Elliott, Suite 600
Seattle, WA 98121

Re: Analytical Data for Project 1950012
Laboratory Reference No. 1907-237

Dear Jamalyn:

Enclosed are the analytical results and associated quality control data for samples submitted on July 22, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 30, 2019
Samples Submitted: July 22, 2019
Laboratory Reference: 1907-237
Project: 1950012

Case Narrative

Samples were collected on July 15, 16, 17, 18, and 19, 2019 and received by the laboratory on July 22, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Total Metals EPA 6020B Analysis:

The duplicate RPDs for Arsenic and Lead are outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: July 30, 2019
 Samples Submitted: July 22, 2019
 Laboratory Reference: 1907-237
 Project: 1950012

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	378-A-06-A					
Laboratory ID:	07-237-02					
Arsenic	22	0.71	EPA 6020B	7-25-19	7-26-19	
Lead	67	2.8	EPA 6020B	7-25-19	7-26-19	
Client ID:	378-A-06-B					
Laboratory ID:	07-237-03					
Arsenic	30	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	100	5.7	EPA 6020B	7-25-19	7-26-19	
Client ID:	378-A-01-A					
Laboratory ID:	07-237-04					
Arsenic	23	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	82	5.7	EPA 6020B	7-25-19	7-26-19	
Client ID:	378-A-01-B					
Laboratory ID:	07-237-05					
Arsenic	25	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	110	5.7	EPA 6020B	7-25-19	7-26-19	
Client ID:	384-A-08-A					
Laboratory ID:	07-237-06					
Arsenic	37	1.5	EPA 6020B	7-25-19	7-26-19	
Lead	360	12	EPA 6020B	7-25-19	7-26-19	
Client ID:	384-A-08-B					
Laboratory ID:	07-237-07					
Arsenic	26	1.5	EPA 6020B	7-25-19	7-26-19	
Lead	140	5.9	EPA 6020B	7-25-19	7-26-19	
Client ID:	384-A-07-A					
Laboratory ID:	07-237-08					
Arsenic	35	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	220	5.5	EPA 6020B	7-25-19	7-26-19	



Date of Report: July 30, 2019
 Samples Submitted: July 22, 2019
 Laboratory Reference: 1907-237
 Project: 1950012

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	384-A-07-B					
Laboratory ID:	07-237-09					
Arsenic	33	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	150	5.6	EPA 6020B	7-25-19	7-26-19	
Client ID:	384-A-06-A					
Laboratory ID:	07-237-10					
Arsenic	36	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	140	5.6	EPA 6020B	7-25-19	7-26-19	
Client ID:	384-A-03-A					
Laboratory ID:	07-237-11					
Arsenic	25	1.5	EPA 6020B	7-25-19	7-26-19	
Lead	260	6.1	EPA 6020B	7-25-19	7-26-19	
Client ID:	384-A-01-A					
Laboratory ID:	07-237-12					
Arsenic	22	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	82	5.5	EPA 6020B	7-25-19	7-26-19	
Client ID:	384-A-01-B					
Laboratory ID:	07-237-13					
Arsenic	36	1.3	EPA 6020B	7-25-19	7-26-19	
Lead	57	5.3	EPA 6020B	7-25-19	7-26-19	
Client ID:	384-A-04-A					
Laboratory ID:	07-237-14					
Arsenic	25	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	55	5.5	EPA 6020B	7-25-19	7-26-19	
Client ID:	384-A-04-B					
Laboratory ID:	07-237-15					
Arsenic	29	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	45	5.5	EPA 6020B	7-25-19	7-26-19	



Date of Report: July 30, 2019
 Samples Submitted: July 22, 2019
 Laboratory Reference: 1907-237
 Project: 1950012

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	384-A-02-A					
Laboratory ID:	07-237-16					
Arsenic	24	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	140	5.6	EPA 6020B	7-25-19	7-26-19	
Client ID:	384-A-02-B					
Laboratory ID:	07-237-17					
Arsenic	32	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	200	5.7	EPA 6020B	7-25-19	7-26-19	
Client ID:	357-A-02-B					
Laboratory ID:	07-237-20					
Arsenic	13	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	50	5.5	EPA 6020B	7-25-19	7-26-19	
Client ID:	357-A-05-B					
Laboratory ID:	07-237-22					
Arsenic	27	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	74	5.5	EPA 6020B	7-25-19	7-26-19	
Client ID:	357-A-01-A					
Laboratory ID:	07-237-23					
Arsenic	30	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	79	5.7	EPA 6020B	7-25-19	7-26-19	
Client ID:	357-A-01-B					
Laboratory ID:	07-237-24					
Arsenic	27	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	64	5.7	EPA 6020B	7-25-19	7-26-19	



Date of Report: July 30, 2019
 Samples Submitted: July 22, 2019
 Laboratory Reference: 1907-237
 Project: 1950012

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	357-A-04-A					
Laboratory ID:	07-237-25					
Arsenic	47	1.6	EPA 6020B	7-25-19	7-26-19	
Lead	110	6.2	EPA 6020B	7-25-19	7-26-19	
Client ID:	357-A-04-B					
Laboratory ID:	07-237-26					
Arsenic	41	1.5	EPA 6020B	7-25-19	7-26-19	
Lead	66	6.2	EPA 6020B	7-25-19	7-26-19	
Client ID:	369-A-01-A					
Laboratory ID:	07-237-27					
Arsenic	34	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	73	5.6	EPA 6020B	7-25-19	7-26-19	
Client ID:	369-A-01-B					
Laboratory ID:	07-237-28					
Arsenic	26	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	42	5.5	EPA 6020B	7-25-19	7-26-19	
Client ID:	369-A-06-B					
Laboratory ID:	07-237-29					
Arsenic	27	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	65	5.8	EPA 6020B	7-25-19	7-26-19	
Client ID:	369-A-02-B					
Laboratory ID:	07-237-30					
Arsenic	17	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	66	5.5	EPA 6020B	7-25-19	7-26-19	
Client ID:	369-A-03-A					
Laboratory ID:	07-237-31					
Arsenic	19	1.5	EPA 6020B	7-25-19	7-26-19	
Lead	49	5.9	EPA 6020B	7-25-19	7-26-19	



Date of Report: July 30, 2019
 Samples Submitted: July 22, 2019
 Laboratory Reference: 1907-237
 Project: 1950012

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	369-A-03-B					
Laboratory ID:	07-237-32					
Arsenic	21	1.5	EPA 6020B	7-25-19	7-26-19	
Lead	69	5.9	EPA 6020B	7-25-19	7-26-19	
Client ID:	369-A-04-A					
Laboratory ID:	07-237-33					
Arsenic	29	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	57	5.6	EPA 6020B	7-25-19	7-26-19	
Client ID:	354-A-03-B					
Laboratory ID:	07-237-34					
Arsenic	18	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	73	5.4	EPA 6020B	7-25-19	7-26-19	
Client ID:	354-A-01-B					
Laboratory ID:	07-237-35					
Arsenic	12	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	110	5.5	EPA 6020B	7-25-19	7-26-19	
Client ID:	354-A-05-A					
Laboratory ID:	07-237-36					
Arsenic	8.8	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	74	5.5	EPA 6020B	7-25-19	7-26-19	
Client ID:	354-A-05-C					
Laboratory ID:	07-237-37					
Arsenic	97	1.6	EPA 6020B	7-25-19	7-26-19	
Lead	85	6.2	EPA 6020B	7-25-19	7-26-19	
Client ID:	354-A-04-B					
Laboratory ID:	07-237-38					
Arsenic	27	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	55	5.7	EPA 6020B	7-25-19	7-26-19	



Date of Report: July 30, 2019
 Samples Submitted: July 22, 2019
 Laboratory Reference: 1907-237
 Project: 1950012

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	354-A-07-A					
Laboratory ID:	07-237-39					
Arsenic	27	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	66	5.5	EPA 6020B	7-25-19	7-26-19	
Client ID:	354-A-07-B					
Laboratory ID:	07-237-40					
Arsenic	42	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	110	5.5	EPA 6020B	7-25-19	7-26-19	
Client ID:	999-A-04-A					
Laboratory ID:	07-237-41					
Arsenic	14	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	150	5.4	EPA 6020B	7-25-19	7-26-19	
Client ID:	999-A-04-B					
Laboratory ID:	07-237-42					
Arsenic	27	1.5	EPA 6020B	7-25-19	7-26-19	
Lead	330	12	EPA 6020B	7-25-19	7-26-19	
Client ID:	999-A-03-A					
Laboratory ID:	07-237-43					
Arsenic	33	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	230	5.5	EPA 6020B	7-25-19	7-26-19	
Client ID:	999-A-03-B					
Laboratory ID:	07-237-44					
Arsenic	29	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	120	5.5	EPA 6020B	7-25-19	7-26-19	



Date of Report: July 30, 2019
 Samples Submitted: July 22, 2019
 Laboratory Reference: 1907-237
 Project: 1950012

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	999-A-01-A					
Laboratory ID:	07-237-45					
Arsenic	20	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	130	5.5	EPA 6020B	7-25-19	7-26-19	
Client ID:	999-A-01-B					
Laboratory ID:	07-237-46					
Arsenic	23	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	64	5.6	EPA 6020B	7-25-19	7-26-19	
Client ID:	999-A-06-A					
Laboratory ID:	07-237-47					
Arsenic	16	1.6	EPA 6020B	7-25-19	7-26-19	
Lead	150	6.3	EPA 6020B	7-25-19	7-26-19	
Client ID:	999-A-05-A					
Laboratory ID:	07-237-48					
Arsenic	25	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	190	5.7	EPA 6020B	7-25-19	7-26-19	
Client ID:	999-A-05-B					
Laboratory ID:	07-237-49					
Arsenic	29	1.5	EPA 6020B	7-25-19	7-26-19	
Lead	74	5.9	EPA 6020B	7-25-19	7-26-19	
Client ID:	999-A-02-A					
Laboratory ID:	07-237-50					
Arsenic	24	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	90	5.6	EPA 6020B	7-25-19	7-26-19	
Client ID:	999-A-02-B					
Laboratory ID:	07-237-51					
Arsenic	29	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	120	5.6	EPA 6020B	7-25-19	7-26-19	



Date of Report: July 30, 2019
 Samples Submitted: July 22, 2019
 Laboratory Reference: 1907-237
 Project: 1950012

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	442-A-05-A					
Laboratory ID:	07-237-54					
Arsenic	15	1.3	EPA 6020B	7-25-19	7-26-19	
Lead	100	5.4	EPA 6020B	7-25-19	7-26-19	
Client ID:	442-A-05-B					
Laboratory ID:	07-237-55					
Arsenic	21	1.6	EPA 6020B	7-25-19	7-26-19	
Lead	60	6.4	EPA 6020B	7-25-19	7-26-19	
Client ID:	458-B-03-A					
Laboratory ID:	07-237-56					
Arsenic	38	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	330	11	EPA 6020B	7-25-19	7-26-19	
Client ID:	458-B-02-A					
Laboratory ID:	07-237-57					
Arsenic	26	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	190	5.4	EPA 6020B	7-25-19	7-26-19	
Client ID:	458-B-01-A					
Laboratory ID:	07-237-58					
Arsenic	39	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	200	5.6	EPA 6020B	7-25-19	7-26-19	
Client ID:	458-B-01-B					
Laboratory ID:	07-237-59					
Arsenic	18	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	95	5.6	EPA 6020B	7-25-19	7-26-19	
Client ID:	458-B-04-A					
Laboratory ID:	07-237-60					
Arsenic	26	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	130	5.7	EPA 6020B	7-25-19	7-26-19	



Date of Report: July 30, 2019
 Samples Submitted: July 22, 2019
 Laboratory Reference: 1907-237
 Project: 1950012

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	458-B-05-A					
Laboratory ID:	07-237-61					
Arsenic	25	1.5	EPA 6020B	7-25-19	7-26-19	
Lead	220	6.1	EPA 6020B	7-25-19	7-26-19	
Client ID:	458-A-05-A					
Laboratory ID:	07-237-62					
Arsenic	24	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	200	5.8	EPA 6020B	7-25-19	7-26-19	
Client ID:	458-A-05-B					
Laboratory ID:	07-237-63					
Arsenic	41	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	250	5.6	EPA 6020B	7-25-19	7-26-19	
Client ID:	458-A-02-A					
Laboratory ID:	07-237-64					
Arsenic	43	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	180	5.6	EPA 6020B	7-25-19	7-26-19	
Client ID:	458-A-01-A					
Laboratory ID:	07-237-65					
Arsenic	36	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	140	5.6	EPA 6020B	7-25-19	7-26-19	
Client ID:	458-A-04-A					
Laboratory ID:	07-237-66					
Arsenic	19	1.4	EPA 6020B	7-25-19	7-26-19	
Lead	150	5.5	EPA 6020B	7-25-19	7-26-19	



Date of Report: July 30, 2019
 Samples Submitted: July 22, 2019
 Laboratory Reference: 1907-237
 Project: 1950012

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	525-A-08-A					
Laboratory ID:	07-237-68					
Arsenic	11	1.4	EPA 6020B	7-26-19	7-26-19	
Lead	160	5.4	EPA 6020B	7-26-19	7-26-19	
Client ID:	525-A-07-A					
Laboratory ID:	07-237-69					
Arsenic	18	1.4	EPA 6020B	7-26-19	7-26-19	
Lead	85	5.8	EPA 6020B	7-26-19	7-26-19	
Client ID:	525-A-02-B					
Laboratory ID:	07-237-71					
Arsenic	22	1.4	EPA 6020B	7-26-19	7-26-19	
Lead	41	5.6	EPA 6020B	7-26-19	7-26-19	
Client ID:	535-A-05-A					
Laboratory ID:	07-237-72					
Arsenic	19	1.4	EPA 6020B	7-26-19	7-26-19	
Lead	250	5.5	EPA 6020B	7-26-19	7-26-19	
Client ID:	535-A-05-B					
Laboratory ID:	07-237-73					
Arsenic	16	1.4	EPA 6020B	7-26-19	7-26-19	
Lead	83	5.5	EPA 6020B	7-26-19	7-26-19	
Client ID:	535-A-03-A					
Laboratory ID:	07-237-74					
Arsenic	19	1.4	EPA 6020B	7-26-19	7-26-19	
Lead	190	5.5	EPA 6020B	7-26-19	7-26-19	
Client ID:	535-A-03-B					
Laboratory ID:	07-237-75					
Arsenic	25	1.4	EPA 6020B	7-26-19	7-26-19	
Lead	300	11	EPA 6020B	7-26-19	7-26-19	



Date of Report: July 30, 2019
 Samples Submitted: July 22, 2019
 Laboratory Reference: 1907-237
 Project: 1950012

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	535-A-02-A					
Laboratory ID:	07-237-76					
Arsenic	34	1.4	EPA 6020B	7-26-19	7-26-19	
Lead	160	5.5	EPA 6020B	7-26-19	7-26-19	
Client ID:	535-A-02-B					
Laboratory ID:	07-237-77					
Arsenic	23	1.4	EPA 6020B	7-26-19	7-26-19	
Lead	63	5.6	EPA 6020B	7-26-19	7-26-19	



Date of Report: July 30, 2019
 Samples Submitted: July 22, 2019
 Laboratory Reference: 1907-237
 Project: 1950012

**TOTAL METALS
 EPA 6020B
 METHOD BLANK QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0725SM1					
Arsenic	ND	0.25	EPA 6020B	7-25-19	7-26-19	
Lead	ND	0.25	EPA 6020B	7-25-19	7-26-19	
Laboratory ID:	MB0725SM2					
Arsenic	ND	0.25	EPA 6020B	7-25-19	7-26-19	
Lead	ND	0.25	EPA 6020B	7-25-19	7-26-19	
Laboratory ID:	MB0725SM4					
Arsenic	ND	0.25	EPA 6020B	7-25-19	7-26-19	
Lead	ND	0.25	EPA 6020B	7-25-19	7-26-19	
Laboratory ID:	MB0726SM3					
Arsenic	ND	0.25	EPA 6020B	7-26-19	7-26-19	
Lead	ND	0.25	EPA 6020B	7-26-19	7-26-19	



Date of Report: July 30, 2019
 Samples Submitted: July 22, 2019
 Laboratory Reference: 1907-237
 Project: 1950012

**TOTAL METALS
 EPA 6020B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags		
DUPLICATE										
Laboratory ID:	07-237-02									
	ORIG	DUP								
Arsenic	19.5	18.4	NA	NA	NA	NA	6	20		
Lead	59.0	58.8	NA	NA	NA	NA	0	20		
Laboratory ID:	07-237-25									
	ORIG	DUP								
Arsenic	37.8	35.8	NA	NA	NA	NA	5	20		
Lead	91.5	93.8	NA	NA	NA	NA	2	20		
Laboratory ID:	07-237-45									
	ORIG	DUP								
Arsenic	18.5	18.5	NA	NA	NA	NA	0	20		
Lead	123	140	NA	NA	NA	NA	13	20		
Laboratory ID:	07-237-68									
	ORIG	DUP								
Arsenic	10.1	7.65	NA	NA	NA	NA	27	20	K	
Lead	147	116	NA	NA	NA	NA	24	20	K	
MATRIX SPIKES										
Laboratory ID:	07-237-02									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	105	109	100	100	19.5	86	89	75-125	3	20
Lead	286	306	250	250	59.0	91	99	75-125	7	20
Laboratory ID:	07-237-25									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	123	123	100	100	37.8	85	85	75-125	0	20
Lead	307	317	250	250	91.5	86	90	75-125	3	20
Laboratory ID:	07-237-45									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	102	111	100	100	18.5	84	93	75-125	8	20
Lead	335	383	250	250	123	85	104	75-125	13	20
Laboratory ID:	07-237-68									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	93.5	104	100	100	10.1	83	94	75-125	11	20
Lead	373	391	250	250	147	90	98	75-125	5	20



Date of Report: July 30, 2019
 Samples Submitted: July 22, 2019
 Laboratory Reference: 1907-237
 Project: 1950012

**TOTAL METALS
 EPA 6020B
 SPIKE BLANK QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	Flags
SPIKE BLANK						
Laboratory ID:	SB0725SM1					
Arsenic	93.3	100	N/A	93	80-120	
Lead	233	250	N/A	93	80-120	
Laboratory ID:	SB0725SM2					
Arsenic	96.8	100	N/A	97	80-120	
Lead	239	250	N/A	95	80-120	
Laboratory ID:	SB0725SM4					
Arsenic	91.0	100	N/A	91	80-120	
Lead	245	250	N/A	98	80-120	
Laboratory ID:	SB0726SM3					
Arsenic	92.5	100	N/A	93	80-120	
Lead	246	250	N/A	98	80-120	



Date of Report: July 30, 2019
 Samples Submitted: July 22, 2019
 Laboratory Reference: 1907-237
 Project: 1950012

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
378-A-06-A	07-237-02	12	7-26-19
378-A-06-B	07-237-03	12	7-26-19
378-A-01-A	07-237-04	12	7-26-19
378-A-01-B	07-237-05	12	7-26-19
384-A-08-A	07-237-06	18	7-26-19
384-A-08-B	07-237-07	15	7-26-19
384-A-07-A	07-237-08	9	7-26-19
384-A-07-B	07-237-09	10	7-26-19
384-A-06-A	07-237-10	11	7-26-19
384-A-03-A	07-237-11	18	7-26-19
384-A-01-A	07-237-12	8	7-26-19
384-A-01-B	07-237-13	6	7-26-19
384-A-04-A	07-237-14	9	7-26-19
384-A-04-B	07-237-15	10	7-26-19
384-A-02-A	07-237-16	10	7-26-19
384-A-02-B	07-237-17	13	7-26-19
357-A-02-B	07-237-20	9	7-26-19
357-A-05-B	07-237-22	10	7-26-19
357-A-01-A	07-237-23	12	7-26-19
357-A-01-B	07-237-24	12	7-26-19
357-A-04-A	07-237-25	20	7-26-19
357-A-04-B	07-237-26	19	7-26-19
369-A-01-A	07-237-27	10	7-26-19
369-A-01-B	07-237-28	10	7-26-19
369-A-06-B	07-237-29	13	7-26-19
369-A-02-B	07-237-30	9	7-26-19
369-A-03-A	07-237-31	15	7-26-19



Date of Report: July 30, 2019
 Samples Submitted: July 22, 2019
 Laboratory Reference: 1907-237
 Project: 1950012

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
369-A-03-B	07-237-32	15	7-26-19
369-A-04-A	07-237-33	10	7-26-19
354-A-03-B	07-237-34	8	7-26-19
354-A-01-B	07-237-35	9	7-26-19
354-A-05-A	07-237-36	9	7-26-19
354-A-05-C	07-237-37	20	7-26-19
354-A-04-B	07-237-38	13	7-26-19
354-A-07-A	07-237-39	8	7-26-19
354-A-07-B	07-237-40	9	7-26-19
999-A-04-A	07-237-41	8	7-26-19
999-A-04-B	07-237-42	15	7-26-19
999-A-03-A	07-237-43	9	7-26-19
999-A-03-B	07-237-44	9	7-26-19
999-A-01-A	07-237-45	9	7-26-19
999-A-01-B	07-237-46	11	7-26-19
999-A-06-A	07-237-47	21	7-26-19
999-A-05-A	07-237-48	12	7-26-19
999-A-05-B	07-237-49	15	7-26-19
999-A-02-A	07-237-50	11	7-26-19
999-A-02-B	07-237-51	11	7-26-19
442-A-05-A	07-237-54	7	7-26-19
442-A-05-B	07-237-55	22	7-26-19
458-B-03-A	07-237-56	8	7-26-19
458-B-02-A	07-237-57	7	7-26-19
458-B-01-A	07-237-58	11	7-26-19
458-B-01-B	07-237-59	10	7-26-19
458-B-04-A	07-237-60	12	7-26-19



Date of Report: July 30, 2019
Samples Submitted: July 22, 2019
Laboratory Reference: 1907-237
Project: 1950012

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
458-B-05-A	07-237-61	17	7-26-19
458-A-05-A	07-237-62	14	7-26-19
458-A-05-B	07-237-63	11	7-26-19
458-A-02-A	07-237-64	11	7-26-19
458-A-01-A	07-237-65	10	7-26-19
458-A-04-A	07-237-66	9	7-26-19
525-A-08-A	07-237-68	8	7-26-19
525-A-07-A	07-237-69	13	7-26-19
525-A-02-B	07-237-71	10	7-26-19
535-A-05-A	07-237-72	10	7-26-19
535-A-05-B	07-237-73	10	7-26-19
535-A-03-A	07-237-74	9	7-26-19
535-A-03-B	07-237-75	8	7-26-19
535-A-02-A	07-237-76	9	7-26-19
535-A-02-B	07-237-77	11	7-26-19





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





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Chain of Custody

Turnaround Request (in working days)

(Check One)

- Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)

_____ (other)

Laboratory Number:

07-237

Company: **HC**

Project Number: **1950012**

Project Name: **Everett smelter sampling**

Project Manager: **J. Green**

Sampled by: **C. Kretzschmar**

Lab ID

Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	Test Parameters	Analysis Results	
1 378-A-04-B	7/15/19	11:25	soil	1	NWTPH-HCID NWTPH-Gx/BTEX NWTPH-Gx NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up) Volatiles 8260C Halogenated Volatiles 8260C EDB EPA 8011 (Waters Only) Semivolatiles 8270D/SIM (with low-level PAHs) PAHs 8270D/SIM (low-level) PCBs 8082A Organochlorine Pesticides 8081B Organophosphorus Pesticides 8270D/SIM Chlorinated Acid Herbicides 8151A Total RCRA Metals Total MTCA Metals TCPL Metals HEM (oil and grease) 1664A As ICP/MS Pb ICP/MS % Moisture	X X X X X X X X X X X X X X X X X X	
2 378-A-06-A	7/15/19	12:45		1		X	
3 378-A-06-B	7/15/19	12:46		1		X	
4 378-A-01-A	7/15/19	13:50		1		X	
5 378-A-01-B	7/15/19	13:55		1		X	
6 384-A-08-A	7/15/19	15:25		1		X	
7 384-A-08-B	7/15/19	15:30		1		X	
8 384-A-07-A	7/15/19	15:55		1		X	
9 384-A-07-B	7/15/19	15:56		1		X	
10 384-A-06-A	7/15/19	16:30		1		X	
Signature: Jennalyn Green				Company: HC	Date: 7/22/19	Time: 09:00	Comments/Special Instructions
Received				Jennalyn Green	7/22/19	09:15	
Relinquished				[Signature]	7/22/19	11:40	
Received				[Signature]	7/22/19	11:40	
Relinquished				[Signature]	7/22/19	11:40	

Data Package: Standard Level III Level IV

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Chain of Custody

Turnaround Request
 (in working days)
 (Check One)

Laboratory Number: **07-237**

Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)

_____ (other)

Company: HC
 Project Number: 1950012
 Project Name: Everett Spelter Sampling
 Project Manager: J. Green
 Sampled by: C. McCabe

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	Laboratory Number: 07-237																					
						NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	As ICP/MS	Pb ICP/MS	% Moisture		
11	384-A-03-A	7/16/19	0830	Soil	1																						
12	384-A-01-A	7/16/19	0900	Soil	1																						
13	384-A-01-B	7/16/19	0901	Soil	1																						
14	384-A-04-A	7/16/19	0930	Soil	1																						
15	384-A-04-B		0931	Soil	1																						
16	384-A-02-A		0950	Soil	1																						
17	384-A-02-B		0951	Soil	1																						
18	357-A-03-D		1130	Soil	1																						
19	357-A-06-A		1150	Soil	1																						
20	357-A-02-B		1237	Soil	1																						

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Data Package: Standard Level III Level IV

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Chain of Custody

Laboratory Number: **07-237**

Page 3 of 5
 4 of 9

Turnaround Request (in working days)		Date		Time		Comments/Special Instructions
		Sampled	Time Sampled	Sampled	Matrix	
<input type="checkbox"/> Same Day <input type="checkbox"/> 2 Days <input checked="" type="checkbox"/> Standard (7 Days) <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Days <input type="checkbox"/> (other)						
Lab ID	Sample Identification	Date	Time	Matrix	Number of Containers	
31	369-A-03-A	7/17/19	0930	soil	1	
32	369-A-03-B		0951		1	
33	369-A-04-A		0950		1	
34	354-A-03-B		1101		1	
35	354-A-01-B		1116		1	
36	354-A-05-A		1148		1	
37	354-A-05-C		1142		1	
38	354-A-04-B		1156		1	
39	354-A-07-A		1305		1	
40	354-A-07-B		1306		1	

Company:	HC	Turnaround Request (in working days)		
Project Number:	1950012			
Project Name:	Everett smelter sampling			
Project Manager:	J. Green			
Sampled by:	C. McCabe			
Signature	<i>[Signature]</i>	Company	HC	Date
Relinquished	<i>[Signature]</i>	Company		Date
Received	<i>[Signature]</i>	Company		Date
Relinquished	<i>[Signature]</i>	Company		Date
Received	<i>[Signature]</i>	Company		Date
Relinquished	<i>[Signature]</i>	Company		Date
Received	<i>[Signature]</i>	Company		Date
Relinquished	<i>[Signature]</i>	Company		Date
Reviewed/Date		Reviewed/Date		

Data Package: Standard Level III Level IV
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Chain of Custody

Laboratory Number: **07-237**

Company: HC

Project Number: 1958012

Project Name: Everett's Melta Sampling

Project Manager: J. Green

Sampled by: C. McCabe

Turnaround Request (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers		Laboratory Analytes																						
							NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A						
41	999-A-04-A	7/17/19	1425	S211	1																							<input checked="" type="checkbox"/>	
42	999-A-04-B		1426		1																								
43	999-A-03-A		1445		1																								
44	999-A-03-B		1446		1																								
45	999-A-01-A		1500		1																								
46	999-A-01-B		1501		1																								
47	999-A-06-A		1520		1																								
48	999-A-05-A		1535		1																								
49	999-A-05-B		1536		1																								
50	999-A-02-A		1550		1																								

Signature: [Signature] Company: HC

Received/Date: 7/17/19

Received/Date: 7/19/19

Received/Date: 7/22/19

Received/Date: 7/22/19

Received/Date: 7/22/19

Reviewed/Date: _____

Reviewed/Date: _____

Reviewed/Date: _____

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



Onsite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request (in working days)
(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

(other) _____

Laboratory Number: 07-237

Number of Containers

NWTPH-HCID
NWTPH-Gx/BTEX
NWTPH-Gx
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)
Volatiles 8260C
Halogenated Volatiles 8260C
EDB EPA 8011 (Waters Only)
Semivolatiles 8270D/SIM (with low-level PAHs)
PAHs 8270D/SIM (low-level)
PCBs 8082A
Organochlorine Pesticides 8081B
Organophosphorus Pesticides 8270D/SIM
Chlorinated Acid Herbicides 8151A
Total RCRA Metals
Total MTCA Metals
TCLP Metals
HEM (oil and grease) 1664A

AS ICP/MS
 Pb ICP/MS

% Moisture

Date Sampled **Time Sampled** **Matrix**

7/17/19 1551 Soil

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	Laboratory Number	Turnaround Request	Signature	Company	Date	Time	Comments/Special Instructions
51	999-A-02-B	7/17/19	1551	soil	1	07-237	(Checked One)	J. Green	HC	7/22/19	09:00	

Data Package: Standard Level III Level IV
 Chromatograms with final report Electronic Data Deliverables (EDDs)



MVA Onsite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
(in working days)

Laboratory Number: **07-237**

Company: **HC**

Project Number: **1958012**

Project Name: **Everett Smelter Sampling**

Project Manager: **J. Green**

Sampled by: **C. McCabe**

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

(other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	
52	442-A-02-A	7/16/19	0840	Soil	1	
53	442-A-03-A		0930		1	
54	442-A-05-A		1000		1	
55	442-A-05-B		1001		1	
56	456-B-03-A		1130		1	
57	456-B-02-A		1145		1	
58	456-B-01-A		1205		1	
59	456-B-01-B		1206		1	
60	456-B-04-A		1215		1	
61	456-B-05-A		1230		1	

Laboratory Number: 07-237	
NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	
Volatiles 8260C	
Halogenated Volatiles 8260C	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270D/SIM (with low-level PAHs)	
PAHs 8270D/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270D/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
As ICP/MS	X
Pb ICP/MS	X
% Moisture	X

Signature	Company	Date	Time	Comments/Special Instructions
<i>J. Green</i>	HC	7/22/19	0900	
<i>Specialty</i>		7/22/19	09:15	
<i>OSBE</i>		7/22/19	11:45	
<i>OSBE</i>		7/22/19	1140	

Received _____

Relinquished _____

Received _____

Relinquished _____

Received _____

Relinquished _____

Reviewed/Date _____

Reviewed/Date _____

Reviewed/Date _____

Chromatograms with final report Electronic Data Deliverables (EDDs)

Data Package: Standard Level III Level IV



Mw Onsite Environmental Inc.
 Analytical Laboratory Testing Services
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Chain of Custody

Turnaround Request
 (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Laboratory Number: **07-237**

Company: HC
 Project Number: 1950012
 Project Name: Everett Swales Sampling
 Project Manager: J. Green
 Sampled by: E. McCabe

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
72	535-A-05-A	7/19/19	0830	Soil	1
73	535-A-05-B		0831		1
74	535-A-03-A		0915		1
75	535-A-03-B		0916		1
76	535-A-02-A		0940		1
77	535-A-02-B		0941		1
78	535-A-01-A		1005		1

Parameter	72	73	74	75	76	77	78
NWTPH-HCID							
NWTPH-Gx/BTEX							
NWTPH-Gx							
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)							
Volatiles 8260C							
Halogenated Volatiles 8260C							
EDB EPA 8011, (Waters Only)							
Semivolatiles 8270D/SIM (with low-level PAHs)							
PAHs 8270D/SIM (low-level)							
PCBs 8082A							
Organochlorine Pesticides 8081B							
Organophosphorus Pesticides 8270D/SIM							
Chlorinated Acid Herbicides 8151A							
Total RCRA Metals							
Total MTCA Metals							
TCLP Metals							
HEM (oil and grease) 1664A							
As ICP/MS		X	X	X	X	X	X
Pb ICP/MS		X	X	X	X	X	X
% Moisture		X	X	X	X	X	X

Signature	Company	Date	Time	Comments/Special Instructions
<u>J. Green</u>	<u>HC</u>	<u>7/22/19</u>	<u>0900</u>	
<u>[Signature]</u>	<u>Speedy Alpha</u>	<u>7/22/19</u>	<u>09:15</u>	
<u>[Signature]</u>	<u>Speedy Alpha</u>	<u>7/22/19</u>	<u>11:00</u>	
<u>[Signature]</u>	<u>Speedy Alpha</u>	<u>7/22/19</u>	<u>1140</u>	

Relinquished Received Relinquished Received Relinquished Received Relinquished Received

Reviewed/Date _____ Reviewed/Date _____

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 8, 2019

Jamalyn Green
Hart Crowser, Inc.
3131 Elliott, Suite 600
Seattle, WA 98121

Re: Analytical Data for Project 19500-12
Laboratory Reference No. 1907-366

Dear Jamalyn:

Enclosed are the analytical results and associated quality control data for samples submitted on July 31, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 8, 2019
Samples Submitted: July 31, 2019
Laboratory Reference: 1907-366
Project: 19500-12

Case Narrative

Samples were collected on July 22, 23, 24, 25, and 26, 2019 and received by the laboratory on July 31, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: August 8, 2019
 Samples Submitted: July 31, 2019
 Laboratory Reference: 1907-366
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	526-A-02-A					
Laboratory ID:	07-366-01					
Arsenic	92	1.3	EPA 6020B	8-1-19	8-1-19	
Lead	64	1.3	EPA 6020B	8-1-19	8-1-19	
Client ID:	526-A-06-A					
Laboratory ID:	07-366-02					
Arsenic	19	1.5	EPA 6020B	8-1-19	8-1-19	
Lead	180	1.5	EPA 6020B	8-1-19	8-1-19	
Client ID:	526-A-02-B					
Laboratory ID:	07-366-03					
Arsenic	15	1.4	EPA 6020B	8-1-19	8-1-19	
Lead	260	1.4	EPA 6020B	8-1-19	8-1-19	
Client ID:	528-A-01-A					
Laboratory ID:	07-366-04					
Arsenic	33	1.4	EPA 6020B	8-1-19	8-1-19	
Lead	140	1.4	EPA 6020B	8-1-19	8-1-19	
Client ID:	528-A-01-B					
Laboratory ID:	07-366-05					
Arsenic	36	1.4	EPA 6020B	8-1-19	8-1-19	
Lead	110	1.4	EPA 6020B	8-1-19	8-1-19	
Client ID:	528-A-03-A					
Laboratory ID:	07-366-06					
Arsenic	16	1.4	EPA 6020B	8-1-19	8-1-19	
Lead	130	1.4	EPA 6020B	8-1-19	8-1-19	
Client ID:	528-A-03-B					
Laboratory ID:	07-366-07					
Arsenic	6.2	1.4	EPA 6020B	8-1-19	8-1-19	
Lead	22	1.4	EPA 6020B	8-1-19	8-1-19	



Date of Report: August 8, 2019
 Samples Submitted: July 31, 2019
 Laboratory Reference: 1907-366
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	528-A-04-A					
Laboratory ID:	07-366-08					
Arsenic	20	1.4	EPA 6020B	8-1-19	8-1-19	
Lead	200	1.4	EPA 6020B	8-1-19	8-1-19	
Client ID:	528-A-04-B					
Laboratory ID:	07-366-09					
Arsenic	19	1.3	EPA 6020B	8-1-19	8-1-19	
Lead	170	1.3	EPA 6020B	8-1-19	8-1-19	
Client ID:	598-A-01-A					
Laboratory ID:	07-366-10					
Arsenic	20	1.5	EPA 6020B	8-1-19	8-1-19	
Lead	83	1.5	EPA 6020B	8-1-19	8-1-19	
Client ID:	598-A-02-A					
Laboratory ID:	07-366-11					
Arsenic	22	1.4	EPA 6020B	8-1-19	8-1-19	
Lead	390	2.9	EPA 6020B	8-1-19	8-1-19	
Client ID:	598-A-02-B					
Laboratory ID:	07-366-12					
Arsenic	31	1.4	EPA 6020B	8-1-19	8-1-19	
Lead	350	2.9	EPA 6020B	8-1-19	8-1-19	
Client ID:	598-A-03-A					
Laboratory ID:	07-366-13					
Arsenic	17	1.4	EPA 6020B	8-1-19	8-1-19	
Lead	190	1.4	EPA 6020B	8-1-19	8-1-19	
Client ID:	598-A-04-A					
Laboratory ID:	07-366-14					
Arsenic	24	1.5	EPA 6020B	8-1-19	8-1-19	
Lead	180	1.5	EPA 6020B	8-1-19	8-1-19	



Date of Report: August 8, 2019
 Samples Submitted: July 31, 2019
 Laboratory Reference: 1907-366
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	598-A-04-B					
Laboratory ID:	07-366-15					
Arsenic	22	1.5	EPA 6020B	8-1-19	8-1-19	
Lead	160	1.5	EPA 6020B	8-1-19	8-1-19	
Client ID:	598-A-05-A					
Laboratory ID:	07-366-16					
Arsenic	27	1.4	EPA 6020B	8-1-19	8-1-19	
Lead	420	2.8	EPA 6020B	8-1-19	8-1-19	
Client ID:	528-A-02-A					
Laboratory ID:	07-366-17					
Arsenic	25	1.4	EPA 6020B	8-1-19	8-1-19	
Lead	92	1.4	EPA 6020B	8-1-19	8-1-19	
Client ID:	610-A-01-A					
Laboratory ID:	07-366-18					
Arsenic	17	1.4	EPA 6020B	8-1-19	8-1-19	
Lead	22	1.4	EPA 6020B	8-1-19	8-1-19	
Client ID:	554-A-02-A					
Laboratory ID:	07-366-20					
Arsenic	22	1.5	EPA 6020B	8-1-19	8-1-19	
Lead	280	1.5	EPA 6020B	8-1-19	8-1-19	
Client ID:	554-A-03-B					
Laboratory ID:	07-366-21					
Arsenic	18	1.6	EPA 6020B	8-1-19	8-1-19	
Lead	43	1.6	EPA 6020B	8-1-19	8-1-19	



Date of Report: August 8, 2019
 Samples Submitted: July 31, 2019
 Laboratory Reference: 1907-366
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	554-A-04-B					
Laboratory ID:	07-366-22					
Arsenic	22	1.9	EPA 6020B	8-5-19	8-5-19	
Lead	36	1.9	EPA 6020B	8-5-19	8-5-19	
Client ID:	554-A-06-A					
Laboratory ID:	07-366-23					
Arsenic	20	1.6	EPA 6020B	8-5-19	8-6-19	
Lead	130	1.6	EPA 6020B	8-5-19	8-6-19	
Client ID:	554-A-07-A					
Laboratory ID:	07-366-24					
Arsenic	23	1.6	EPA 6020B	8-5-19	8-6-19	
Lead	110	1.6	EPA 6020B	8-5-19	8-6-19	
Client ID:	537-A-01-A					
Laboratory ID:	07-366-26					
Arsenic	15	1.4	EPA 6020B	8-5-19	8-6-19	
Lead	140	1.4	EPA 6020B	8-5-19	8-6-19	
Client ID:	537-A-02-A					
Laboratory ID:	07-366-27					
Arsenic	18	1.4	EPA 6020B	8-5-19	8-6-19	
Lead	270	1.4	EPA 6020B	8-5-19	8-6-19	
Client ID:	537-A-02-B					
Laboratory ID:	07-366-28					
Arsenic	21	1.4	EPA 6020B	8-5-19	8-6-19	
Lead	240	1.4	EPA 6020B	8-5-19	8-6-19	
Client ID:	537-A-03-A					
Laboratory ID:	07-366-29					
Arsenic	19	1.4	EPA 6020B	8-5-19	8-6-19	
Lead	130	1.4	EPA 6020B	8-5-19	8-6-19	



Date of Report: August 8, 2019
 Samples Submitted: July 31, 2019
 Laboratory Reference: 1907-366
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	537-A-05-A					
Laboratory ID:	07-366-30					
Arsenic	24	1.4	EPA 6020B	8-5-19	8-6-19	
Lead	160	1.4	EPA 6020B	8-5-19	8-6-19	
Client ID:	537-A-06-A					
Laboratory ID:	07-366-31					
Arsenic	18	1.4	EPA 6020B	8-5-19	8-6-19	
Lead	98	1.4	EPA 6020B	8-5-19	8-6-19	
Client ID:	537-A-07-A					
Laboratory ID:	07-366-32					
Arsenic	31	1.4	EPA 6020B	8-5-19	8-6-19	
Lead	410	2.9	EPA 6020B	8-5-19	8-6-19	
Client ID:	537-B-01-A					
Laboratory ID:	07-366-33					
Arsenic	22	1.4	EPA 6020B	8-5-19	8-6-19	
Lead	120	1.4	EPA 6020B	8-5-19	8-6-19	
Client ID:	537-B-02-A					
Laboratory ID:	07-366-34					
Arsenic	19	1.4	EPA 6020B	8-5-19	8-6-19	
Lead	180	1.4	EPA 6020B	8-5-19	8-6-19	
Client ID:	537-B-02-B					
Laboratory ID:	07-366-35					
Arsenic	18	1.4	EPA 6020B	8-5-19	8-6-19	
Lead	200	1.4	EPA 6020B	8-5-19	8-6-19	
Client ID:	537-B-03-A					
Laboratory ID:	07-366-36					
Arsenic	31	1.4	EPA 6020B	8-5-19	8-6-19	
Lead	180	1.4	EPA 6020B	8-5-19	8-6-19	



Date of Report: August 8, 2019
 Samples Submitted: July 31, 2019
 Laboratory Reference: 1907-366
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	537-B-04-B					
Laboratory ID:	07-366-37					
Arsenic	12	1.4	EPA 6020B	8-5-19	8-6-19	
Lead	90	1.4	EPA 6020B	8-5-19	8-6-19	
Client ID:	537-B-05-A					
Laboratory ID:	07-366-38					
Arsenic	32	1.3	EPA 6020B	8-5-19	8-6-19	
Lead	210	1.3	EPA 6020B	8-5-19	8-6-19	
Client ID:	537-B-06-A					
Laboratory ID:	07-366-39					
Arsenic	19	1.3	EPA 6020B	8-5-19	8-6-19	
Lead	230	1.3	EPA 6020B	8-5-19	8-6-19	
Client ID:	537-B-07-A					
Laboratory ID:	07-366-40					
Arsenic	18	1.4	EPA 6020B	8-5-19	8-6-19	
Lead	1200	6.9	EPA 6020B	8-5-19	8-6-19	
Client ID:	557-A-01-A					
Laboratory ID:	07-366-41					
Arsenic	20	1.4	EPA 6020B	8-5-19	8-6-19	
Lead	150	1.4	EPA 6020B	8-5-19	8-6-19	
Client ID:	557-A-02-A					
Laboratory ID:	07-366-42					
Arsenic	18	1.4	EPA 6020B	8-5-19	8-6-19	
Lead	150	1.4	EPA 6020B	8-5-19	8-6-19	



Date of Report: August 8, 2019
 Samples Submitted: July 31, 2019
 Laboratory Reference: 1907-366
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	557-A-02-B					
Laboratory ID:	07-366-43					
Arsenic	18	1.4	EPA 6020B	8-1-19	8-2-19	
Lead	71	1.4	EPA 6020B	8-1-19	8-2-19	
Client ID:	557-A-03-A					
Laboratory ID:	07-366-44					
Arsenic	14	1.4	EPA 6020B	8-1-19	8-5-19	
Lead	53	1.4	EPA 6020B	8-1-19	8-5-19	
Client ID:	557-B-01-A					
Laboratory ID:	07-366-45					
Arsenic	16	1.3	EPA 6020B	8-1-19	8-5-19	
Lead	100	1.3	EPA 6020B	8-1-19	8-5-19	
Client ID:	557-B-01-B					
Laboratory ID:	07-366-46					
Arsenic	11	1.3	EPA 6020B	8-1-19	8-5-19	
Lead	60	1.3	EPA 6020B	8-1-19	8-5-19	
Client ID:	557-B-02-A					
Laboratory ID:	07-366-47					
Arsenic	15	1.3	EPA 6020B	8-1-19	8-5-19	
Lead	150	1.3	EPA 6020B	8-1-19	8-5-19	
Client ID:	557-B-03-A					
Laboratory ID:	07-366-48					
Arsenic	19	1.4	EPA 6020B	8-1-19	8-5-19	
Lead	75	1.4	EPA 6020B	8-1-19	8-5-19	
Client ID:	557-B-03-B					
Laboratory ID:	07-366-49					
Arsenic	16	1.4	EPA 6020B	8-1-19	8-5-19	
Lead	53	1.4	EPA 6020B	8-1-19	8-5-19	



Date of Report: August 8, 2019
 Samples Submitted: July 31, 2019
 Laboratory Reference: 1907-366
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	558-A-01-A					
Laboratory ID:	07-366-50					
Arsenic	20	1.4	EPA 6020B	8-1-19	8-5-19	
Lead	74	1.4	EPA 6020B	8-1-19	8-5-19	
Client ID:	558-A-01-B					
Laboratory ID:	07-366-51					
Arsenic	31	1.4	EPA 6020B	8-1-19	8-5-19	
Lead	79	1.4	EPA 6020B	8-1-19	8-5-19	
Client ID:	558-A-02-A					
Laboratory ID:	07-366-52					
Arsenic	20	1.4	EPA 6020B	8-1-19	8-5-19	
Lead	58	1.4	EPA 6020B	8-1-19	8-5-19	
Client ID:	558-A-02-B					
Laboratory ID:	07-366-53					
Arsenic	25	1.4	EPA 6020B	8-1-19	8-5-19	
Lead	87	1.4	EPA 6020B	8-1-19	8-5-19	
Client ID:	558-A-03-A					
Laboratory ID:	07-366-54					
Arsenic	25	1.4	EPA 6020B	8-1-19	8-5-19	
Lead	100	1.4	EPA 6020B	8-1-19	8-5-19	
Client ID:	558-A-03-B					
Laboratory ID:	07-366-55					
Arsenic	15	1.4	EPA 6020B	8-1-19	8-5-19	
Lead	50	1.4	EPA 6020B	8-1-19	8-5-19	
Client ID:	558-A-05-A					
Laboratory ID:	07-366-56					
Arsenic	19	1.5	EPA 6020B	8-1-19	8-5-19	
Lead	110	1.5	EPA 6020B	8-1-19	8-5-19	



Date of Report: August 8, 2019
 Samples Submitted: July 31, 2019
 Laboratory Reference: 1907-366
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	558-A-05-B					
Laboratory ID:	07-366-57					
Arsenic	24	1.6	EPA 6020B	8-1-19	8-5-19	
Lead	62	1.6	EPA 6020B	8-1-19	8-5-19	
Client ID:	558-B-03-A					
Laboratory ID:	07-366-58					
Arsenic	18	1.4	EPA 6020B	8-1-19	8-5-19	
Lead	150	1.4	EPA 6020B	8-1-19	8-5-19	
Client ID:	558-B-04-A					
Laboratory ID:	07-366-59					
Arsenic	13	1.4	EPA 6020B	8-1-19	8-5-19	
Lead	53	1.4	EPA 6020B	8-1-19	8-5-19	
Client ID:	558-B-05-A					
Laboratory ID:	07-366-60					
Arsenic	22	1.4	EPA 6020B	8-1-19	8-5-19	
Lead	110	1.4	EPA 6020B	8-1-19	8-5-19	
Client ID:	558-B-05-B					
Laboratory ID:	07-366-61					
Arsenic	14	1.4	EPA 6020B	8-1-19	8-5-19	
Lead	72	1.4	EPA 6020B	8-1-19	8-5-19	
Client ID:	613-A-01-A					
Laboratory ID:	07-366-62					
Arsenic	62	1.4	EPA 6020B	8-1-19	8-5-19	
Lead	140	1.4	EPA 6020B	8-1-19	8-5-19	



Date of Report: August 8, 2019
 Samples Submitted: July 31, 2019
 Laboratory Reference: 1907-366
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	613-A-01-B					
Laboratory ID:	07-366-63					
Arsenic	60	1.3	EPA 6020B	8-1-19	8-2-19	
Lead	120	1.3	EPA 6020B	8-1-19	8-2-19	
Client ID:	613-A-03-B					
Laboratory ID:	07-366-64					
Arsenic	31	1.4	EPA 6020B	8-1-19	8-5-19	
Lead	97	1.4	EPA 6020B	8-1-19	8-5-19	
Client ID:	613-A-04-A					
Laboratory ID:	07-366-65					
Arsenic	29	1.4	EPA 6020B	8-1-19	8-5-19	
Lead	97	1.4	EPA 6020B	8-1-19	8-5-19	
Client ID:	613-A-04-B					
Laboratory ID:	07-366-66					
Arsenic	19	1.3	EPA 6020B	8-1-19	8-5-19	
Lead	45	1.3	EPA 6020B	8-1-19	8-5-19	
Client ID:	613-A-05-A					
Laboratory ID:	07-366-67					
Arsenic	27	1.5	EPA 6020B	8-1-19	8-5-19	
Lead	160	1.5	EPA 6020B	8-1-19	8-5-19	
Client ID:	613-A-05-B					
Laboratory ID:	07-366-68					
Arsenic	30	1.5	EPA 6020B	8-1-19	8-5-19	
Lead	100	1.5	EPA 6020B	8-1-19	8-5-19	
Client ID:	613-B-02-A					
Laboratory ID:	07-366-69					
Arsenic	38	1.3	EPA 6020B	8-1-19	8-5-19	
Lead	190	1.3	EPA 6020B	8-1-19	8-5-19	



Date of Report: August 8, 2019
 Samples Submitted: July 31, 2019
 Laboratory Reference: 1907-366
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	613-B-02-B					
Laboratory ID:	07-366-70					
Arsenic	29	1.3	EPA 6020B	8-1-19	8-5-19	
Lead	75	1.3	EPA 6020B	8-1-19	8-5-19	
Client ID:	613-B-03-A					
Laboratory ID:	07-366-71					
Arsenic	22	1.3	EPA 6020B	8-1-19	8-5-19	
Lead	120	1.3	EPA 6020B	8-1-19	8-5-19	
Client ID:	613-B-03-B					
Laboratory ID:	07-366-72					
Arsenic	38	1.3	EPA 6020B	8-1-19	8-5-19	
Lead	110	1.3	EPA 6020B	8-1-19	8-5-19	
Client ID:	612-C-03-A					
Laboratory ID:	07-366-73					
Arsenic	13	1.3	EPA 6020B	8-1-19	8-5-19	
Lead	380	2.7	EPA 6020B	8-1-19	8-5-19	
Client ID:	612-C-05-B					
Laboratory ID:	07-366-74					
Arsenic	11	1.4	EPA 6020B	8-1-19	8-5-19	
Lead	180	1.4	EPA 6020B	8-1-19	8-5-19	
Client ID:	612-D-05-B					
Laboratory ID:	07-366-75					
Arsenic	37	1.4	EPA 6020B	8-1-19	8-5-19	
Lead	51	1.4	EPA 6020B	8-1-19	8-5-19	



Date of Report: August 8, 2019
 Samples Submitted: July 31, 2019
 Laboratory Reference: 1907-366
 Project: 19500-12

**TOTAL METALS
 EPA 6020B
 METHOD BLANK QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0801SM1					
Arsenic	ND	0.25	EPA 6020B	8-1-19	8-1-19	
Lead	ND	0.25	EPA 6020B	8-1-19	8-1-19	
Laboratory ID:	MB0801SM3					
Arsenic	ND	0.25	EPA 6020B	8-1-19	8-2-19	
Lead	ND	0.25	EPA 6020B	8-1-19	8-2-19	
Laboratory ID:	MB0801SM4					
Arsenic	ND	0.25	EPA 6020B	8-1-19	8-2-19	
Lead	ND	0.25	EPA 6020B	8-1-19	8-2-19	
Laboratory ID:	MB0805SM1					
Arsenic	ND	0.25	EPA 6020B	8-5-19	8-5-19	
Lead	ND	0.25	EPA 6020B	8-5-19	8-5-19	



Date of Report: August 8, 2019
 Samples Submitted: July 31, 2019
 Laboratory Reference: 1907-366
 Project: 19500-12

**TOTAL METALS
 EPA 6020B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags		
DUPLICATE										
Laboratory ID:	07-366-01									
	ORIG	DUP								
Arsenic	87.8	102	NA	NA	NA	NA	15	20		
Lead	61.3	51.8	NA	NA	NA	NA	17	20		
Laboratory ID:	07-366-22									
	ORIG	DUP								
Arsenic	14.9	17.1	NA	NA	NA	NA	14	20		
Lead	23.9	27.0	NA	NA	NA	NA	12	20		
Laboratory ID:	07-366-43									
	ORIG	DUP								
Arsenic	16.3	16.1	NA	NA	NA	NA	2	20		
Lead	63.3	71.8	NA	NA	NA	NA	13	20		
Laboratory ID:	07-366-63									
	ORIG	DUP								
Arsenic	55.3	60.8	NA	NA	NA	NA	9	20		
Lead	109	117	NA	NA	NA	NA	7	20		
MATRIX SPIKES										
Laboratory ID:	07-366-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	169	183	100	100	87.8	81	95	75-125	8	20
Lead	262	269	250	250	61.3	80	83	75-125	2	20
Laboratory ID:	07-366-22									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	94.0	94.0	100	100	14.9	79	79	75-125	0	20
Lead	250	252	250	250	23.9	90	91	75-125	1	20
Laboratory ID:	07-366-43									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	97.5	105	100	100	16.3	81	89	75-125	7	20
Lead	310	301	250	250	63.3	99	95	75-125	3	20
Laboratory ID:	07-366-63									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	136	147	100	100	55.3	81	92	75-125	8	20
Lead	329	354	250	250	109	88	98	75-125	7	20



Date of Report: August 8, 2019
 Samples Submitted: July 31, 2019
 Laboratory Reference: 1907-366
 Project: 19500-12

**TOTAL METALS
 EPA 6020B
 SPIKE BLANK QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	Flags
SPIKE BLANK						
Laboratory ID:	SB0801SM1					
Arsenic	90.0	100	N/A	90	80-120	
Lead	232	250	N/A	93	80-120	
Laboratory ID:	SB0801SM3					
Arsenic	93.0	100	N/A	93	80-120	
Lead	255	250	N/A	102	80-120	
Laboratory ID:	SB0801SM4					
Arsenic	89.5	100	N/A	90	80-120	
Lead	239	250	N/A	96	80-120	



Date of Report: August 8, 2019
 Samples Submitted: July 31, 2019
 Laboratory Reference: 1907-366
 Project: 19500-12

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
526-A-02-A	07-366-01	5	8-1-19
526-A-06-A	07-366-02	15	8-1-19
526-A-02-B	07-366-03	14	8-1-19
528-A-01-A	07-366-04	8	8-1-19
528-A-01-B	07-366-05	8	8-1-19
528-A-03-A	07-366-06	10	8-1-19
528-A-03-B	07-366-07	12	8-1-19
528-A-04-A	07-366-08	9	8-1-19
528-A-04-B	07-366-09	7	8-1-19
598-A-01-A	07-366-10	19	8-1-19
598-A-02-A	07-366-11	13	8-1-19
598-A-02-B	07-366-12	13	8-1-19
598-A-03-A	07-366-13	11	8-1-19
598-A-04-A	07-366-14	19	8-1-19
598-A-04-B	07-366-15	15	8-1-19
598-A-05-A	07-366-16	11	8-1-19
528-A-02-A	07-366-17	8	8-1-19
610-A-01-A	07-366-18	8	8-1-19
554-A-02-A	07-366-20	17	8-1-19
554-A-03-B	07-366-21	20	8-1-19
554-A-04-B	07-366-22	34	8-1-19
554-A-06-A	07-366-23	23	8-1-19
554-A-07-A	07-366-24	20	8-1-19
537-A-01-A	07-366-26	10	8-1-19
537-A-02-A	07-366-27	8	8-1-19
537-A-02-B	07-366-28	11	8-1-19
537-A-03-A	07-366-29	14	8-1-19



Date of Report: August 8, 2019
 Samples Submitted: July 31, 2019
 Laboratory Reference: 1907-366
 Project: 19500-12

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
537-A-05-A	07-366-30	10	8-1-19
537-A-06-A	07-366-31	9	8-1-19
537-A-07-A	07-366-32	13	8-1-19
537-B-01-A	07-366-33	10	8-1-19
537-B-02-A	07-366-34	8	8-1-19
537-B-02-B	07-366-35	9	8-1-19
537-B-03-A	07-366-36	10	8-1-19
537-B-04-B	07-366-37	13	8-1-19
537-B-05-A	07-366-38	7	8-1-19
537-B-06-A	07-366-39	7	8-1-19
537-B-07-A	07-366-40	10	8-1-19
557-A-01-A	07-366-41	12	8-1-19
557-A-02-A	07-366-42	12	8-1-19
557-A-02-B	07-366-43	11	8-1-19
557-A-03-A	07-366-44	8	8-1-19
557-B-01-A	07-366-45	6	8-1-19
557-B-01-B	07-366-46	7	8-1-19
557-B-02-A	07-366-47	7	8-1-19
557-B-03-A	07-366-48	7	8-1-19
557-B-03-B	07-366-49	8	8-2-19
558-A-01-A	07-366-50	8	8-2-19
558-A-01-B	07-366-51	10	8-2-19
558-A-02-A	07-366-52	11	8-2-19
558-A-02-B	07-366-53	13	8-2-19
558-A-03-A	07-366-54	11	8-2-19
558-A-03-B	07-366-55	13	8-2-19
558-A-05-A	07-366-56	19	8-2-19



Date of Report: August 8, 2019
 Samples Submitted: July 31, 2019
 Laboratory Reference: 1907-366
 Project: 19500-12

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
558-A-05-B	07-366-57	22	8-2-19
558-B-03-A	07-366-58	8	8-2-19
558-B-04-A	07-366-59	9	8-2-19
558-B-05-A	07-366-60	8	8-2-19
558-B-05-B	07-366-61	13	8-2-19
613-A-01-A	07-366-62	8	8-2-19
613-A-01-B	07-366-63	7	8-2-19
613-A-03-B	07-366-64	7	8-2-19
613-A-04-A	07-366-65	8	8-2-19
613-A-04-B	07-366-66	7	8-2-19
613-A-05-A	07-366-67	15	8-2-19
613-A-05-B	07-366-68	18	8-2-19
613-B-02-A	07-366-69	7	8-2-19
613-B-02-B	07-366-70	6	8-2-19
613-B-03-A	07-366-71	5	8-2-19
613-B-03-B	07-366-72	7	8-2-19
612-C-03-A	07-366-73	6	8-2-19
612-C-05-B	07-366-74	10	8-2-19
612-D-05-B	07-366-75	8	8-2-19





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





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Chain of Custody

Turnaround Request
 (in working days)
 (Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Laboratory Number:

07-366

Company: Hart Crouser
 Project Number: 19500-12
 Project Name: Everett Residential Sampling
 Project Manager: Jamelyn Green
 Sampled by: Maggie Bradshaw

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	520-A-02-A	7/22/19	9:00	soil	1
2	520-A-06-A		9:30		
3	520-A-06-B		9:30		
4	528-A-01-A		11:40		
5	528-A-01-B		11:40		
6	528-A-03-A		12:30		
7	528-A-03-B		12:30		
8	528-A-04-A		11:55		
9	528-A-04-B		11:55		
10	598-A-01-A		14:35		

Signature	Company	Date	Time	Comments/Special Instructions
<u>M Bradshaw</u>	<u>Hart Crouser</u>	<u>7/31/19</u>	<u>10:00</u>	
<u>#17</u>	<u>Specialty Analyt</u>	<u>7/31/19</u>	<u>10:10</u>	
<u>#17</u>	<u>Specialty Analyt</u>	<u>7/31/19</u>	<u>12:00</u>	
<u>Maggie Bradshaw</u>	<u>OSI</u>	<u>7/31/19</u>	<u>12:00</u>	

Received _____
 Relinquished _____
 Received _____
 Relinquished _____
 Reviewed/Date _____

Received _____
 Relinquished _____
 Reviewed/Date _____

Received _____
 Relinquished _____
 Reviewed/Date _____

Received _____
 Relinquished _____
 Reviewed/Date _____

Received _____
 Relinquished _____
 Reviewed/Date _____

Received _____
 Relinquished _____
 Reviewed/Date _____

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



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Chain of Custody

Turnaround Request
 (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Laboratory Number: **07-366**

Company: **Hart Crowser**
 Project Number: **195-06-12**
 Project Name: **Erch Residential Sampling**
 Project Manager: **Jamelyn Green**
 Sampled by: **Margie Bradshaw/John Hopkins**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
21	554-A-03-B	7/23/19	8:52	soil	1
22	554-A-04-B		10:10		1
23	554-A-06-A		9:20		1
24	554-A-07-A		9:05		1
25	614-A-04-A		15:50		1
26	537-A-01-A	7/24/19	9:55	Soil	1
27	537-A-02-A		8:30		1
28	537-A-02-B		8:30		1
29	537-A-03-A		8:46		1

Method	21	22	23	24	25	26	27	28	29
NWTPH-HCID									
NWTPH-Gx/BTEX									
NWTPH-Gx									
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)									
Volatiles 8260C									
Halogenated Volatiles 8260C									
EDB EPA 8011 (Waters Only)									
Semivolatiles 8270D/SIM (with low-level PAHs)									
PAHs 8270D/SIM (low-level)									
PCBs 8082A									
Organochlorine Pesticides 8081B									
Organophosphorus Pesticides 8270D/SIM									
Chlorinated Acid Herbicides 8151A									
Total RCRA Metals									
Total MTCA Metals									
TCLP Metals									
HEM (oil and grease) 1664A									
As ICP/MS	X	X	X	X	X	X	X	X	X
Pb ICP/MS	X	X	X	X	X	X	X	X	X
HOLD									
% Moisture	X	X	X	X	X	X	X	X	X

Signature	Company	Date	Time	Comments/Special Instructions
M Bradshaw	Hart Crowser	7/31/19	10:00	
#19	Speedy A/H	7/31/19	10:10	
#19	Speedy A/H	7/31/19	12:00	
M Bradshaw	OSI	7/31/19	1:00	

Received/Date _____ Reviewed/Date _____

Received _____

Relinquished _____

Relinquished _____

Relinquished _____

Relinquished _____

Relinquished _____

Received _____

Relinquished _____

Relinquished _____

Received _____

Reviewed/Date _____

Reviewed/Date _____

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



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Chain of Custody

Turnaround Request
 (in working days)
 (Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Number of Containers

Laboratory Number: **07-366**

NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	
Volatiles 8260C	
Halogenated Volatiles 8260C	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270D/SIM (with low-level PAHs)	
PAHs 8270D/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270D/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
As ICP/MS	X
Pb ICP/MS	X
% Moisture	X

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix
30	S37-A-05-A	7/24/19	9:40	Soil 1
31	S37-A-06-A	7/24/19	8:55	
32	S37-A-07-A		9:10	
33	S37-A-08-A S37-B-01-A		10:45	
34	S37-B-02-A		11:25	
35	S37-B-02-B		11:25	
36	S37-B-03-A		10:30	
37	S37-B-04-B		10:19	
38	S37-B-05-A		11:10	
39	S37-B-06-A		10:05	

Signature: *M Bradshaw* Company: *Hart Crouser* Date: *7/31/19* Time: *10:00* Comments/Special Instructions: _____

Received/Date	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	<i>M Bradshaw</i>	<i>Hart Crouser</i>	<i>7/31/19</i>	<i>10:00</i>	
Received	<i>#19 Speedy All</i>	<i>Speedy All</i>	<i>7/31/19</i>	<i>10:10</i>	
Relinquished	<i>#10 Speedy All</i>	<i>Speedy All</i>	<i>7/31/19</i>	<i>12:00</i>	
Received	<i>Speedy All</i>	<i>Speedy All</i>	<i>7/31/19</i>	<i>12:00</i>	
Relinquished	<i>Speedy All</i>	<i>Speedy All</i>			
Received					
Reviewed/Date					

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



Chain of Custody

Laboratory Number: **07-366**

Lab ID	Sample Identification	Turnaround Request (in working days)			Laboratory Number: 07-366																				
		Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture		
40	SS7-B-07-A	7/24/19	10:55	Soil	1																				X
41	SS7-A-01-A		12:50																						X
42	SS7-A-02-A		12:35																						X
43	SS7-A-02-B		12:35																						X
44	SS7-A-03-A		13:05																						X
45	SS7-B-01-A		13:50																						X
46	SS7-B-01-B		13:50																						X
47	SS7-B-02-A		14:45																						X
48	SS7-B-03-A		14:00																						X
49	SS7-B-03-B		14:30																						X

		Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		M Bredshaw	Hava Crowser	7/31/19	10:00	
Received		#17	Speedy Mike	7/31/19	10:10	
Relinquished		#17	Speedy Mike	7/31/19	12:00	
Received		M Bredshaw	SE	7/31/19	12:00	
Relinquished						
Received						Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>
Reviewed/Date						Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>



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Chain of Custody

Laboratory Number: **07-366**

Page 6 of 8

Turnaround Request
 (in working days)
 (Check One)

- Same Day 1 Day
 2 Days 3 Days

Standard (7 Days)

_____ (other)

Company: Hart Crouser
 Project Number: 19500-12
 Project Name: Everett Smelter Residential Sampling
 Project Manager: Jamulun Green
 Sampled by: Maggie Bradshaw

Lab ID Sample Identification

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
S0	558-A-01-A	7/25/19	10:00	Soil	1
S1	558-A-01-B		10:00		
S2	558-A-02-A		10:15		
S3	558-A-02-B		10:15		
S4	558-A-03-A		9:30		
S5	558-A-03-B		9:30		
S6	558-A-05-A		10:35		
S7	558-A-05-B		10:35		
S8	558-B-03-A		8:50		
S9	558-B-04-A		8:30		

Method	Result
NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	
Volatiles 8260C	
Halogenated Volatiles 8260C	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270D/SIM (with low-level PAHs)	
PAHs 8270D/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270D/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
As ICP/MS	X
Pb ICP/MS	X
% Moisture	X

Signature Company Date Time Comments/Special Instructions

Relinquished	<u>Maggie Bradshaw</u>	Hart Crouser	7/31/19	10:00	
Received	<u>#17</u>	<u>Shelly A...</u>	7/31/19	10:00	
Relinquished	<u>#17</u>	<u>Shelly A...</u>	7/31/19	12:00	
Received	<u>Maggie Bradshaw</u>	<u>BSE</u>	7/31/19	12:00	
Relinquished					
Received					
Reviewed/Date					

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



Chain of Custody

Turnaround Request
(in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Laboratory Number:

07-366

Company: Hart Crouser
Project Number: 19500-12
Project Name: Everett Smelter Residential Sampling
Project Manager: Jamelyn Green
Sampled by: Margie Bradshaw

Lab ID Sample Identification

Date Sampled Time Sampled Matrix

Number of Containers

60	55B-B-05-A	7/25/19	9:40	Soil	1
61	55B-B-05-B		9:40		
62	013-A-01-A		14:10		
63	013-A-01-B		14:10		
64	613-A-03-B		14:25		
65	613-A-04-A		14:55		
66	013-A-04-B		14:55		
67	013-A-05-A		12:10		
68	613-A-05-B		12:10		
69	013-B-02-A		13:55		

NWTPH-HCID
NWTPH-Gx/BTEX
NWTPH-Gx
NWTPH-Dx <input type="checkbox"/> Acid / SG Clean-up
Volatiles 8260C
Halogenated Volatiles 8260C
EDB EPA 8011 (Waters Only)
Semivolatiles 8270D/SIM (with low-level PAHs)
PAHs 8270D/SIM (low-level)
PCBs 8082A
Organochlorine Pesticides 8081B
Organophosphorus Pesticides 8270D/SIM
Chlorinated Acid Herbicides 8151A
Total RCRA Metals
Total MTCA Metals
TCLP Metals
HEM (oil and grease) 1664A
<u>X</u> As ICP/MS
<u>X</u> Pb ICP/MS
<u>X</u> % Moisture

Signature: M Bradshaw Company: Hart Crouser Date: 7/31/19 Time: 10:00 Comments/Special Instructions:

Relinquished	Signature	Company	Date	Time	Comments/Special Instructions
Received	<u>Hart Crouser</u>	<u>Hart Crouser</u>	<u>7/31/19</u>	<u>10:00</u>	
Relinquished	<u>M Bradshaw</u>	<u>Speedy Alvin</u>	<u>7/31/19</u>	<u>12:10</u>	
Received	<u>M Bradshaw</u>	<u>Speedy Alvin</u>	<u>7/31/19</u>	<u>12:00</u>	
Relinquished	<u>M Bradshaw</u>	<u>OSB</u>	<u>7/31/19</u>	<u>12:00</u>	
Received					
Relinquished					
Received					
Relinquished					
Received/Date		Reviewed/Date			

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



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Chain of Custody

Turnaround Request
(in working days)
(Check One)

- Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)

_____ (other)

Laboratory Number: **07-366**

Number of Containers

NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	
Volatiles 8260C	
Halogenated Volatiles 8260C	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270D/SIM (with low-level PAHs)	
PAHs 8270D/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270D/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
As ICP/MS	X
Pb ICP/MS	X
% Moisture	X

Company: **Hart Crowser**
 Project Number: **19500-12**
 Project Name: **Everett Smelter Residential Sampling**
 Project Manager: **Jamelyn Green**
 Sampled by: **Margie Bradshaw**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
70	613-B-D2-B	7/25/19	13:55	Soil	1
71	613-B-03-A	I	13:25		
72	613-B-03-B	I	13:25		
73	612-C-03-A	7/26/19	9:00		
74	612-C-05-B	I	9:15		
75	612-D-05-B	I	11:10		

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	M Bradshaw	Hart Crowser	7/31/19	10:00	
Received	#19	Speedy Allen	7/29/19	10:10	
Relinquished	#17	Speedy Allen	7/29/19	12:00	
Received	Margo Bradshaw	OSE	7/31/19	10:00	
Relinquished					
Received					
Relinquished					
Received					
Relinquished					

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)

Reviewed/Date: _____



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 21, 2019

Jamalyn Green
Hart Crowser, Inc.
3131 Elliott, Suite 600
Seattle, WA 98121

Re: Analytical Data for Project 19500-12
Laboratory Reference No. 1908-169

Dear Jamalyn:

Enclosed are the analytical results and associated quality control data for samples submitted on August 13, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 21, 2019
Samples Submitted: August 13, 2019
Laboratory Reference: 1908-169
Project: 19500-12

Case Narrative

Samples were collected on July 29, 30, 31, August 1, 2, 5, 6, 7, and 8, 2019 and received by the laboratory on August 13, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: August 21, 2019
 Samples Submitted: August 13, 2019
 Laboratory Reference: 1908-169
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	609-A-01-B					
Laboratory ID:	08-169-01					
Arsenic	180	1.3	EPA 6020B	8-15-19	8-15-19	
Lead	100	1.3	EPA 6020B	8-15-19	8-15-19	
Client ID:	609-A-01-C					
Laboratory ID:	08-169-02					
Arsenic	110	1.4	EPA 6020B	8-15-19	8-15-19	
Lead	130	1.4	EPA 6020B	8-15-19	8-15-19	
Client ID:	609-A-02-A					
Laboratory ID:	08-169-03					
Arsenic	73	1.4	EPA 6020B	8-15-19	8-15-19	
Lead	190	1.4	EPA 6020B	8-15-19	8-15-19	
Client ID:	609-A-02-B					
Laboratory ID:	08-169-04					
Arsenic	20	1.4	EPA 6020B	8-15-19	8-15-19	
Lead	59	1.4	EPA 6020B	8-15-19	8-15-19	
Client ID:	609-A-03-A					
Laboratory ID:	08-169-05					
Arsenic	70	1.4	EPA 6020B	8-15-19	8-15-19	
Lead	810	5.8	EPA 6020B	8-15-19	8-15-19	
Client ID:	609-A-03-B					
Laboratory ID:	08-169-06					
Arsenic	43	1.4	EPA 6020B	8-15-19	8-15-19	
Lead	500	2.8	EPA 6020B	8-15-19	8-15-19	
Client ID:	609-A-04-A					
Laboratory ID:	08-169-07					
Arsenic	60	1.3	EPA 6020B	8-15-19	8-15-19	
Lead	260	1.3	EPA 6020B	8-15-19	8-15-19	



Date of Report: August 21, 2019
 Samples Submitted: August 13, 2019
 Laboratory Reference: 1908-169
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	609-A-04-B					
Laboratory ID:	08-169-08					
Arsenic	91	1.4	EPA 6020B	8-15-19	8-15-19	
Lead	230	1.4	EPA 6020B	8-15-19	8-15-19	

Client ID:	609-A-04-C					
Laboratory ID:	08-169-09					
Arsenic	54	1.3	EPA 6020B	8-15-19	8-15-19	
Lead	39	1.3	EPA 6020B	8-15-19	8-15-19	

Client ID:	609-A-05-A					
Laboratory ID:	08-169-10					
Arsenic	43	1.4	EPA 6020B	8-15-19	8-15-19	
Lead	150	1.4	EPA 6020B	8-15-19	8-15-19	

Client ID:	609-A-05-B					
Laboratory ID:	08-169-11					
Arsenic	16	1.3	EPA 6020B	8-15-19	8-15-19	
Lead	69	1.3	EPA 6020B	8-15-19	8-15-19	

Client ID:	611-A-03-B					
Laboratory ID:	08-169-12					
Arsenic	17	1.5	EPA 6020B	8-15-19	8-15-19	
Lead	28	1.5	EPA 6020B	8-15-19	8-15-19	

Client ID:	611-B-01-A					
Laboratory ID:	08-169-13					
Arsenic	16	1.4	EPA 6020B	8-15-19	8-15-19	
Lead	100	1.4	EPA 6020B	8-15-19	8-15-19	

Client ID:	611-B-01-B					
Laboratory ID:	08-169-14					
Arsenic	17	1.4	EPA 6020B	8-15-19	8-15-19	
Lead	90	1.4	EPA 6020B	8-15-19	8-15-19	



Date of Report: August 21, 2019
 Samples Submitted: August 13, 2019
 Laboratory Reference: 1908-169
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	611-B-04-A					
Laboratory ID:	08-169-15					
Arsenic	18	1.3	EPA 6020B	8-15-19	8-15-19	
Lead	35	1.3	EPA 6020B	8-15-19	8-15-19	

Client ID:	611-B-04-B					
Laboratory ID:	08-169-16					
Arsenic	14	1.4	EPA 6020B	8-15-19	8-15-19	
Lead	39	1.4	EPA 6020B	8-15-19	8-15-19	

Client ID:	612-C-05-B					
Laboratory ID:	08-169-21					
Arsenic	14	1.3	EPA 6020B	8-15-19	8-15-19	
Lead	200	1.3	EPA 6020B	8-15-19	8-15-19	

Client ID:	612-C-03-A					
Laboratory ID:	08-169-22					
Arsenic	7.5	1.4	EPA 6020B	8-15-19	8-15-19	
Lead	100	1.4	EPA 6020B	8-15-19	8-15-19	

Client ID:	423-A-03-A					
Laboratory ID:	08-169-31					
Arsenic	16	1.4	EPA 6020B	8-15-19	8-15-19	
Lead	41	1.4	EPA 6020B	8-15-19	8-15-19	

Client ID:	423-A-03-B					
Laboratory ID:	08-169-32					
Arsenic	26	1.5	EPA 6020B	8-15-19	8-15-19	
Lead	31	1.5	EPA 6020B	8-15-19	8-15-19	



Date of Report: August 21, 2019
 Samples Submitted: August 13, 2019
 Laboratory Reference: 1908-169
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	423-A-05-A					
Laboratory ID:	08-169-33					
Arsenic	29	1.4	EPA 6020B	8-15-19	8-15-19	
Lead	58	1.4	EPA 6020B	8-15-19	8-15-19	
Client ID:	423-B-01-A					
Laboratory ID:	08-169-34					
Arsenic	23	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	52	1.4	EPA 6020B	8-15-19	8-16-19	
Client ID:	423-B-01-B					
Laboratory ID:	08-169-35					
Arsenic	19	1.5	EPA 6020B	8-15-19	8-16-19	
Lead	28	1.5	EPA 6020B	8-15-19	8-16-19	
Client ID:	423-B-02-A					
Laboratory ID:	08-169-36					
Arsenic	21	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	44	1.4	EPA 6020B	8-15-19	8-16-19	
Client ID:	423-B-03-B					
Laboratory ID:	08-169-37					
Arsenic	23	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	41	1.4	EPA 6020B	8-15-19	8-16-19	
Client ID:	423-B-04-A					
Laboratory ID:	08-169-38					
Arsenic	17	1.5	EPA 6020B	8-15-19	8-16-19	
Lead	47	1.5	EPA 6020B	8-15-19	8-16-19	
Client ID:	423-B-05-A					
Laboratory ID:	08-169-39					
Arsenic	30	1.6	EPA 6020B	8-15-19	8-16-19	
Lead	52	1.6	EPA 6020B	8-15-19	8-16-19	



Date of Report: August 21, 2019
 Samples Submitted: August 13, 2019
 Laboratory Reference: 1908-169
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	423-C-01-A					
Laboratory ID:	08-169-40					
Arsenic	17	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	69	1.4	EPA 6020B	8-15-19	8-16-19	
Client ID:	423-C-05-A					
Laboratory ID:	08-169-41					
Arsenic	27	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	84	1.4	EPA 6020B	8-15-19	8-16-19	
Client ID:	423-D-01-A					
Laboratory ID:	08-169-42					
Arsenic	27	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	42	1.4	EPA 6020B	8-15-19	8-16-19	
Client ID:	423-D-04-A					
Laboratory ID:	08-169-43					
Arsenic	38	1.5	EPA 6020B	8-15-19	8-16-19	
Lead	81	1.5	EPA 6020B	8-15-19	8-16-19	
Client ID:	423-D-04-B					
Laboratory ID:	08-169-44					
Arsenic	27	1.5	EPA 6020B	8-15-19	8-16-19	
Lead	48	1.5	EPA 6020B	8-15-19	8-16-19	
Client ID:	423-D-05-B					
Laboratory ID:	08-169-45					
Arsenic	34	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	59	1.4	EPA 6020B	8-15-19	8-16-19	
Client ID:	408-B-06-A					
Laboratory ID:	08-169-46					
Arsenic	18	1.5	EPA 6020B	8-15-19	8-16-19	
Lead	28	1.5	EPA 6020B	8-15-19	8-16-19	



Date of Report: August 21, 2019
 Samples Submitted: August 13, 2019
 Laboratory Reference: 1908-169
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	408-B-04-A					
Laboratory ID:	08-169-47					
Arsenic	30	1.5	EPA 6020B	8-15-19	8-16-19	
Lead	96	1.5	EPA 6020B	8-15-19	8-16-19	

Client ID:	408-B-02-A					
Laboratory ID:	08-169-48					
Arsenic	34	1.5	EPA 6020B	8-15-19	8-16-19	
Lead	47	1.5	EPA 6020B	8-15-19	8-16-19	

Client ID:	408-A-04-A					
Laboratory ID:	08-169-49					
Arsenic	27	1.5	EPA 6020B	8-15-19	8-16-19	
Lead	49	1.5	EPA 6020B	8-15-19	8-16-19	

Client ID:	408-B-05-A					
Laboratory ID:	08-169-50					
Arsenic	19	1.5	EPA 6020B	8-15-19	8-16-19	
Lead	41	1.5	EPA 6020B	8-15-19	8-16-19	

Client ID:	408-B-01-A					
Laboratory ID:	08-169-51					
Arsenic	31	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	77	1.4	EPA 6020B	8-15-19	8-16-19	

Client ID:	408-A-05-B					
Laboratory ID:	08-169-52					
Arsenic	19	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	30	1.4	EPA 6020B	8-15-19	8-16-19	



Date of Report: August 21, 2019
 Samples Submitted: August 13, 2019
 Laboratory Reference: 1908-169
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	408-B-01-A					
Laboratory ID:	08-169-53					
Arsenic	44	2.7	EPA 6020B	8-15-19	8-16-19	
Lead	210	2.7	EPA 6020B	8-15-19	8-16-19	

Client ID:	408-B-03-A					
Laboratory ID:	08-169-54					
Arsenic	27	1.5	EPA 6020B	8-15-19	8-16-19	
Lead	50	1.5	EPA 6020B	8-15-19	8-16-19	

Client ID:	408-A-03-B					
Laboratory ID:	08-169-55					
Arsenic	26	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	35	1.4	EPA 6020B	8-15-19	8-16-19	

Client ID:	408-A-06-A					
Laboratory ID:	08-169-56					
Arsenic	20	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	68	1.4	EPA 6020B	8-15-19	8-16-19	

Client ID:	408-A-02-A					
Laboratory ID:	08-169-57					
Arsenic	29	1.5	EPA 6020B	8-15-19	8-16-19	
Lead	71	1.5	EPA 6020B	8-15-19	8-16-19	

Client ID:	584-A-05-A					
Laboratory ID:	08-169-58					
Arsenic	43	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	250	1.4	EPA 6020B	8-15-19	8-16-19	

Client ID:	584-A-04-A					
Laboratory ID:	08-169-59					
Arsenic	75	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	310	2.7	EPA 6020B	8-15-19	8-16-19	



Date of Report: August 21, 2019
 Samples Submitted: August 13, 2019
 Laboratory Reference: 1908-169
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	584-A-04-B					
Laboratory ID:	08-169-60					
Arsenic	56	1.3	EPA 6020B	8-15-19	8-16-19	
Lead	260	1.3	EPA 6020B	8-15-19	8-16-19	
Client ID:	584-A-04-C					
Laboratory ID:	08-169-61					
Arsenic	84	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	800	5.6	EPA 6020B	8-15-19	8-16-19	
Client ID:	584-A-04-D					
Laboratory ID:	08-169-62					
Arsenic	110	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	650	5.6	EPA 6020B	8-15-19	8-16-19	
Client ID:	584-A-03-A					
Laboratory ID:	08-169-63					
Arsenic	120	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	940	5.6	EPA 6020B	8-15-19	8-16-19	
Client ID:	584-A-03-B					
Laboratory ID:	08-169-64					
Arsenic	83	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	660	5.6	EPA 6020B	8-15-19	8-16-19	
Client ID:	584-A-02-B					
Laboratory ID:	08-169-65					
Arsenic	16	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	180	1.4	EPA 6020B	8-15-19	8-16-19	
Client ID:	584-A-01-A					
Laboratory ID:	08-169-66					
Arsenic	34	1.3	EPA 6020B	8-15-19	8-16-19	
Lead	350	2.7	EPA 6020B	8-15-19	8-16-19	



Date of Report: August 21, 2019
 Samples Submitted: August 13, 2019
 Laboratory Reference: 1908-169
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	584-A-01-B					
Laboratory ID:	08-169-67					
Arsenic	19	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	210	1.4	EPA 6020B	8-15-19	8-16-19	
Client ID:	436-A-02-B					
Laboratory ID:	08-169-68					
Arsenic	16	1.3	EPA 6020B	8-15-19	8-16-19	
Lead	38	1.3	EPA 6020B	8-15-19	8-16-19	
Client ID:	436-A-03-A					
Laboratory ID:	08-169-69					
Arsenic	20	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	51	1.4	EPA 6020B	8-15-19	8-16-19	
Client ID:	436-A-04-A					
Laboratory ID:	08-169-70					
Arsenic	16	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	210	1.4	EPA 6020B	8-15-19	8-16-19	
Client ID:	436-A-04-B					
Laboratory ID:	08-169-71					
Arsenic	19	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	89	1.4	EPA 6020B	8-15-19	8-16-19	
Client ID:	436-A-06-A					
Laboratory ID:	08-169-72					
Arsenic	27	1.5	EPA 6020B	8-15-19	8-16-19	
Lead	100	1.5	EPA 6020B	8-15-19	8-16-19	



Date of Report: August 21, 2019
 Samples Submitted: August 13, 2019
 Laboratory Reference: 1908-169
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	436-A-06-B					
Laboratory ID:	08-169-73					
Arsenic	15	1.5	EPA 6020B	8-15-19	8-16-19	
Lead	48	1.5	EPA 6020B	8-15-19	8-16-19	

Client ID:	436-A-07-A					
Laboratory ID:	08-169-74					
Arsenic	16	1.5	EPA 6020B	8-15-19	8-16-19	
Lead	170	1.5	EPA 6020B	8-15-19	8-16-19	

Client ID:	436-A-07-B					
Laboratory ID:	08-169-75					
Arsenic	21	1.5	EPA 6020B	8-15-19	8-16-19	
Lead	120	1.5	EPA 6020B	8-15-19	8-16-19	

Client ID:	424-B-01-A					
Laboratory ID:	08-169-77					
Arsenic	28	1.7	EPA 6020B	8-15-19	8-16-19	
Lead	43	1.7	EPA 6020B	8-15-19	8-16-19	

Client ID:	424-B-02-B					
Laboratory ID:	08-169-78					
Arsenic	22	1.7	EPA 6020B	8-15-19	8-16-19	
Lead	35	1.7	EPA 6020B	8-15-19	8-16-19	

Client ID:	424-B-03-B					
Laboratory ID:	08-169-79					
Arsenic	26	1.6	EPA 6020B	8-15-19	8-16-19	
Lead	38	1.6	EPA 6020B	8-15-19	8-16-19	

Client ID:	424-B-05-B					
Laboratory ID:	08-169-80					
Arsenic	27	1.5	EPA 6020B	8-15-19	8-16-19	
Lead	40	1.5	EPA 6020B	8-15-19	8-16-19	



Date of Report: August 21, 2019
 Samples Submitted: August 13, 2019
 Laboratory Reference: 1908-169
 Project: 19500-12

**TOTAL METALS
 EPA 6020B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	425-B-02-B					
Laboratory ID:	08-169-84					
Arsenic	26	1.6	EPA 6020B	8-15-19	8-16-19	
Lead	36	1.6	EPA 6020B	8-15-19	8-16-19	

Client ID:	425-C-05-B					
Laboratory ID:	08-169-86					
Arsenic	23	1.5	EPA 6020B	8-15-19	8-16-19	
Lead	35	1.5	EPA 6020B	8-15-19	8-16-19	

Client ID:	425-D-02-B					
Laboratory ID:	08-169-87					
Arsenic	22	1.4	EPA 6020B	8-15-19	8-16-19	
Lead	35	1.4	EPA 6020B	8-15-19	8-16-19	

Client ID:	428-B-01-B					
Laboratory ID:	08-169-89					
Arsenic	14	1.5	EPA 6020B	8-15-19	8-16-19	
Lead	21	1.5	EPA 6020B	8-15-19	8-16-19	

Client ID:	428-B-09-B					
Laboratory ID:	08-169-90					
Arsenic	18	1.5	EPA 6020B	8-15-19	8-16-19	
Lead	50	1.5	EPA 6020B	8-15-19	8-16-19	



Date of Report: August 21, 2019
 Samples Submitted: August 13, 2019
 Laboratory Reference: 1908-169
 Project: 19500-12

**TOTAL METALS
 EPA 6020B
 METHOD BLANK QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0815SM1					
Arsenic	ND	0.25	EPA 6020B	8-15-19	8-15-19	
Lead	ND	0.25	EPA 6020B	8-15-19	8-15-19	
Laboratory ID:	MB0815SM3					
Arsenic	ND	0.25	EPA 6020B	8-15-19	8-15-19	
Lead	ND	0.25	EPA 6020B	8-15-19	8-15-19	
Laboratory ID:	MB0815SM4					
Arsenic	ND	0.25	EPA 6020B	8-15-19	8-16-19	
Lead	ND	0.25	EPA 6020B	8-15-19	8-16-19	
Laboratory ID:	MB0815SM5					
Arsenic	ND	0.25	EPA 6020B	8-15-19	8-16-19	
Lead	ND	0.25	EPA 6020B	8-15-19	8-16-19	



Date of Report: August 21, 2019
 Samples Submitted: August 13, 2019
 Laboratory Reference: 1908-169
 Project: 19500-12

**TOTAL METALS
 EPA 6020B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	08-169-01									
	ORIG	DUP								
Arsenic	166	174	NA	NA		NA	NA	5	20	
Lead	96.5	91.3	NA	NA		NA	NA	6	20	
Laboratory ID:	08-169-33									
	ORIG	DUP								
Arsenic	25.0	25.8	NA	NA		NA	NA	3	20	
Lead	50.5	52.8	NA	NA		NA	NA	4	20	
Laboratory ID:	08-169-53									
	ORIG	DUP								
Arsenic	40.7	45.0	NA	NA		NA	NA	10	20	
Lead	196	226	NA	NA		NA	NA	14	20	
Laboratory ID:	08-169-73									
	ORIG	DUP								
Arsenic	11.9	12.2	NA	NA		NA	NA	2	20	
Lead	38.5	40.0	NA	NA		NA	NA	4	20	
MATRIX SPIKES										
Laboratory ID:	08-169-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	273	256	100	100	166	106	90	75-125	6	20
Lead	323	323	250	250	96.5	91	90	75-125	0	20
Laboratory ID:	08-169-33									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	106	105	100	100	25.0	81	80	75-125	0	20
Lead	272	275	250	250	50.5	89	90	75-125	1	20
Laboratory ID:	08-169-53									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	130	132	100	100	40.7	89	91	75-125	2	20
Lead	457	464	250	250	196	104	107	75-125	2	20
Laboratory ID:	08-169-73									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	95.0	99.0	100	100	11.9	83	87	75-125	4	20
Lead	256	249	250	250	38.5	87	84	75-125	3	20



Date of Report: August 21, 2019
 Samples Submitted: August 13, 2019
 Laboratory Reference: 1908-169
 Project: 19500-12

**TOTAL METALS
 EPA 6020B
 SPIKE BLANK QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	Flags
SPIKE BLANK						
Laboratory ID:	SB0815SM1					
Arsenic	83.5	100	N/A	84	80-120	
Lead	222	250	N/A	89	80-120	
Laboratory ID:	SB0815SM3					
Arsenic	90.0	100	N/A	90	80-120	
Lead	241	250	N/A	96	80-120	
Laboratory ID:	SB0815SM4					
Arsenic	86.0	100	N/A	86	80-120	
Lead	237	250	N/A	95	80-120	
Laboratory ID:	SB0815SM5					
Arsenic	84.0	100	N/A	84	80-120	
Lead	231	250	N/A	92	80-120	



Date of Report: August 21, 2019
 Samples Submitted: August 13, 2019
 Laboratory Reference: 1908-169
 Project: 19500-12

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
609-A-01-B	08-169-01	7	8-14-19
609-A-01-C	08-169-02	13	8-14-19
609-A-02-A	08-169-03	9	8-14-19
609-A-02-B	08-169-04	9	8-14-19
609-A-03-A	08-169-05	14	8-14-19
609-A-03-B	08-169-06	11	8-14-19
609-A-04-A	08-169-07	6	8-14-19
609-A-04-B	08-169-08	8	8-14-19
609-A-04-C	08-169-09	4	8-14-19
609-A-05-A	08-169-10	8	8-14-19
609-A-05-B	08-169-11	6	8-14-19
611-A-03-B	08-169-12	18	8-14-19
611-B-01-A	08-169-13	13	8-14-19
611-B-01-B	08-169-14	13	8-14-19
611-B-04-A	08-169-15	7	8-14-19
611-B-04-B	08-169-16	8	8-14-19
612-C-05-B	08-169-21	6	8-14-19
612-C-03-A	08-169-22	9	8-14-19
423-A-03-A	08-169-31	10	8-15-19
423-A-03-B	08-169-32	15	8-15-19
423-A-05-A	08-169-33	13	8-15-19
423-B-01-A	08-169-34	13	8-15-19
423-B-01-B	08-169-35	15	8-15-19
423-B-02-A	08-169-36	14	8-15-19
423-B-03-B	08-169-37	10	8-15-19
423-B-04-A	08-169-38	15	8-15-19
423-B-05-A	08-169-39	21	8-15-19



Date of Report: August 21, 2019
 Samples Submitted: August 13, 2019
 Laboratory Reference: 1908-169
 Project: 19500-12

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
423-C-01-A	08-169-40	12	8-15-19
423-C-05-A	08-169-41	13	8-15-19
423-D-01-A	08-169-42	12	8-15-19
423-D-04-A	08-169-43	18	8-15-19
423-D-04-B	08-169-44	16	8-15-19
423-D-05-B	08-169-45	11	8-15-19
408-B-06-A	08-169-46	16	8-15-19
408-B-04-A	08-169-47	17	8-15-19
408-B-02-A	08-169-48	15	8-15-19
408-A-04-A	08-169-49	15	8-15-19
408-B-05-A	08-169-50	14	8-15-19
408-B-01-A	08-169-51	14	8-15-19
408-A-05-B	08-169-52	13	8-15-19
408-B-01-A	08-169-53	8	8-15-19
408-B-03-A	08-169-54	15	8-15-19
408-A-03-B	08-169-55	11	8-15-19
408-A-06-A	08-169-56	13	8-15-19
408-A-02-A	08-169-57	15	8-15-19
584-A-05-A	08-169-58	10	8-15-19
584-A-04-A	08-169-59	8	8-15-19
584-A-04-B	08-169-60	7	8-15-19
584-A-04-C	08-169-61	10	8-15-19
584-A-04-D	08-169-62	11	8-15-19
584-A-03-A	08-169-63	11	8-15-19
584-A-03-B	08-169-64	11	8-15-19
584-A-02-B	08-169-65	12	8-15-19
584-A-01-A	08-169-66	7	8-15-19



Date of Report: August 21, 2019
 Samples Submitted: August 13, 2019
 Laboratory Reference: 1908-169
 Project: 19500-12

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
584-A-01-B	08-169-67	8	8-15-19
436-A-02-B	08-169-68	6	8-15-19
436-A-03-A	08-169-69	11	8-15-19
436-A-04-A	08-169-70	11	8-15-19
436-A-04-B	08-169-71	13	8-15-19
436-A-06-A	08-169-72	17	8-15-19
436-A-06-B	08-169-73	19	8-15-19
436-A-07-A	08-169-74	18	8-15-19
436-A-07-B	08-169-75	19	8-15-19
424-B-01-A	08-169-77	25	8-15-19
424-B-02-B	08-169-78	27	8-15-19
424-B-03-B	08-169-79	24	8-15-19
424-B-05-B	08-169-80	15	8-15-19
425-B-02-B	08-169-84	23	8-15-19
425-C-05-B	08-169-86	17	8-15-19
425-D-02-B	08-169-87	12	8-15-19
428-B-01-B	08-169-89	16	8-15-19
428-B-09-B	08-169-90	16	8-15-19





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





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Chain of Custody

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Turnaround Request
(in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Laboratory Number: **08-169**

Company: Hart-Crosser
Project Number: 19500-12
Project Name: Garrett Smulker Residential Sampling
Project Manager: Jamalyn Green
Sampled by: Maggie Bradshaw

Lab ID	Sample Identification	Date Sampled	Time Sampled	Soil Matrix	Number of Containers	Laboratory Request		Comments/Special Instructions
						Method	Time	
1	609-A-01-B	7/29/19	9:20	Soil	1	NWTPH-HCID		
2	609-A-01-C		9:20			NWTPH-Gx/BTEX		
3	609-A-02-A		9:10			NWTPH-Gx		
4	609-A-02-B		9:10			NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)		
5	609-A-03-A		8:55			Volatiles 8260C		
6	609-A-03-B		8:55			Halogenated Volatiles 8260C		
7	609-A-04-A		8:40			EDB EPA 8011 (Waters Only)		
8	609-A-04-B		8:40			Semivolatiles 8270D/SIM (with low-level PAHs)		
9	609-A-04-C		8:40			PAHs 8270D/SIM (low-level)		
10	609-A-05-A		8:30			PCBs 8082A		
						Organochlorine Pesticides 8081B		
						Organophosphorus Pesticides 8270D/SIM		
						Chlorinated Acid Herbicides 8151A		
						Total RCRA Metals		
						Total MTCA Metals		
						TCLP Metals		
						HEM (oil and grease) 1664A		
						AS ICP/MS		
						Pb ICP/MS		
						% Moisture		

Signature: Jamalyn Green
Company: HCC
Date: 8/13/19 Time: 10:00
Signature: Maggie Bradshaw
Company: OSI
Date: 8/13/19 Time: 11:10

Comments/Special Instructions:
Data Package: Standard Level III Level IV
Chromatograms with final report Electronic Data Deliverables (EDDs)



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Chain of Custody

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Turnaround Request (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

(other) _____

Laboratory Number: 08-169

Company: Hart Crewser
 Project Number: 19500-12
 Project Name: Everett Smelter Residential Sampling
 Project Manager: Jamalygn Green
 Sampled by: Margie Bradshaw + Becca Torres

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
11	609-A-05-B	7/29/19	8:30	Soil	1
12	611-A-03-B	7/29/19	11:25		1
13	611-B-01-A	7/29/19	11:10		1
14	611-B-01-B	7/29/19	11:10		1
15	611-B-04-A	7/30/19	8:50		1
16	611-B-04-B		8:57		1
17	611-B-05-A		8:44		1
18	611-C-08-A		9:18		1
19	611-C-06-A		10:00		1
20	611-C-04-A		10:35		1

NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	
Volatiles 8260C	
Halogenated Volatiles 8260C	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270D/SIM (with low-level PAHs)	
PAHs 8270D/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270D/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
As ICP/MS	X
Pb ICP/MS	X
% Moisture	X

Signature	Company	Date	Time	Comments/Special Instructions
<u>Jamalygn Green</u>	<u>HIC</u>	<u>8/13/19</u>	<u>1000</u>	
<u>Margie Bradshaw</u>	<u>OSL</u>	<u>8/13/19</u>	<u>11:00</u>	
<u>Becca Torres</u>	<u>OSL</u>	<u>8/13/19</u>	<u>11:00</u>	

Relinquished	Received	Relinquished	Received	Relinquished	Received	Relinquished	Received	Reviewed/Date

Data Package: Standard Level III Level IV
 Chromatograms with final report Electronic Data Deliverables (EDDs)



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Chain of Custody

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Turnaround Request (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Laboratory Number:

08-169

Company: HC
Project Number: 1950012
Project Name: Everett Smelter sampling
Project Manager: J. Green
Sampled By: B. Dozier

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
01	012-C-05-B	7/30/19	13:06	soil	1
02	012-C-03-A		15:20		
03	012-B-08-A		15:55		
04	012-B-02-A		16:15		

Method	Result
NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	
Volatiles 8260C	
Halogenated Volatiles 8260C	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270D/SIM (with low-level PAHs)	
PAHs 8270D/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270D/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
As ICP/MS	X
Pb ICP/MS	X
% Moisture	X

Signature	Company	Date	Time	Comments/Special Instructions
<u>[Signature]</u>	<u>HC</u>	<u>8/13/19</u>	<u>1000</u>	
<u>[Signature]</u>	<u>Speedy Alpha</u>	<u>8/12/19</u>	<u>10:00</u>	
<u>[Signature]</u>	<u>Speedy Alpha</u>	<u>8/13/19</u>	<u>11:10</u>	
<u>[Signature]</u>	<u>Speedy Alpha</u>	<u>8/15/19</u>	<u>11:10</u>	

Data Package: Standard Level III Level IV
Chromatograms with final report Electronic Data Deliverables (EDDs)



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Chain of Custody

Turnaround Request
(In working days)

(Check One)

- Same Day 1 Day
- 2 Days 3 Days
- Standard (7 Days)

_____ (other)

Laboratory Number:

08-169

Company: **HC**
Project Number: **1950012**
Project Name: **Everetts melter sampling**
Project Manager: **J. Green**
Sampled by: **B. Rozier + J. Higgins**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
25	612-BD-01-A	7/31/19	8:15	soil	1
26	612-B-01-A		8:10		1
27	612-A-06-A		10:35		1
28	612-A-06-B		10:36		1
29	612-A-07-B		11:26		1
30	612-B-04-A		12:20		1

NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	As ICP/MS	Pb ICP/MS	% Moisture
------------	---------------	----------	---	-----------------	-----------------------------	----------------------------	---	----------------------------	------------	---------------------------------	---------------------------------------	-----------------------------------	-------------------	-------------------	-------------	----------------------------	------------------	------------------	------------

Signature	Company	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	HC	8/13/19	1000	
<i>[Signature]</i>	HC	8/12/19	1000	
<i>[Signature]</i>	HC	8/13/19	11:10	
<i>[Signature]</i>	HC	8/13/19	11:10	
Received				
Relinquished				
Received				
Relinquished				
Received				
Relinquished				
Reviewed/Date				

Data Package: Standard Level III Level IV

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Chain of Custody

Turnaround Request
 (in working days)

(Check One)

- Same Day
- 1 Day
- 2 Days
- 3 Days
- Standard (7 Days)

Laboratory Number:

08-169

Page 5 of 12

Company:

Hart Crouser

Project Number:
1950012

Project Name:
Greent Smelter Res Sampling

Project Manager:
Samalyn Green

Sampled by:
Napire Bradshaw

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
3136	423-A-03-A	8/19	1415	soil	1
3337	423-A-03-B				1
3338	423-A-05-A				1
3339	423-B-01-A				1
3340	423-B-01-B				1
3341	423-B-02-A				1
3342	423-B-03-B				1
3343	423-B-04-A				1
3344	423-B-05-A				1
3345	423-C-01-A				1

(other)

Number of Containers

Test Method	Result
NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	
Volatiles 8260C	
Halogenated Volatiles 8260C	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270D/SIM (with low-level PAHs)	
PAHs 8270D/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270D/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
As ICP/MS	X
Pb ICP/MS	X
% Moisture	X

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	Comments/Special Instructions
3136	423-A-03-A	8/19	1415	soil	1	
3337	423-A-03-B				1	
3338	423-A-05-A				1	
3339	423-B-01-A				1	
3340	423-B-01-B				1	
3341	423-B-02-A				1	
3342	423-B-03-B				1	
3343	423-B-04-A				1	
3344	423-B-05-A				1	
3345	423-C-01-A				1	

Relinquished	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	Samalyn Green	HC	8/13/19	1000	
Received	8/17	Shady Alpha	8/13/19	1000	
Relinquished	8/17	Shady Alpha	8/13/19	1100	
Received	Napire Green	OSSE	8/13/19	1110	
Relinquished					
Received					
Relinquished					
Reviewed/Date					

Data Package: Standard Level III Level IV

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Chain of Custody

Laboratory Number: **08-169**

Turnaround Request (in Working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

(other) _____

Company: Hart Crousser
 Project Number: 1050012
 Project Name: Everett Smelter Res Sampling
 Project Manager: Jamalygn Green
 Sampled by: Maggie Bradshaw

Lab ID

Sample Identification

Date Sampled

Time Sampled

Matrix

Number of Containers

NWTPH-HCID
NWTPH-Gx/BTEX
NWTPH-Gx
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)
Volatiles 8260C
Halogenated Volatiles 8260C
EDB EPA 8011 (Waters Only)
Semivolatiles 8270D/SIM (with low-level PAHs)
PAHs 8270D/SIM (low-level)
PCBs 8082A
Organochlorine Pesticides 8081B
Organophosphorus Pesticides 8270D/SIM
Chlorinated Acid Herbicides 8151A
Total RCRA Metals
Total MTCA Metals
TCLP Metals
HEM (oil and grease) 1664A
AS ICP/MS
Pb ICP/MS
% Moisture

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	Comments/Special Instructions
416	423-C-D5-A	8/1/19	1135	Soil	1	
417	423-D-D1-A		0930		1	
418	423-D-64-A		0955		1	
419	423-D-04-B		0955		1	
420	423-D-05-B		1045		1	

Relinquished	Signature	Company	Date	Time	Comments/Special Instructions	
Received	<u>Jamalygn Green</u>	<u>HCC</u>	<u>8/03/19</u>	<u>1000</u>		
Relinquished	<u>#19</u>	<u>Speckle Alpha</u>	<u>8/13/19</u>	<u>1110</u>		
Received	<u>Maggie Bradshaw</u>	<u>OS&E</u>	<u>8/13/19</u>	<u>1110</u>		
Relinquished						
Received						
Reviewed/Date						

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Turnaround Request
(in working days)

(Check One)

- Same Day 1 Day
- 2 Days 3 Days
- Standard (7 Days)
- _____ (other)

Laboratory Number: **08-169**

08-169

Page 7 of 12

Company: **Port Crowsier**
 Project Number: **1950012**
 Project Name: **Everett Smelter Sampling**
 Project Manager: **S. Green**
 Sampled by: **D. Higgins + B. Dozier**

Lab ID Sample Identification Date Sampled Time Sampled Matrix

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix
46	408-B-06-A	8/21/19	11:15	soil
47	408-B-04-A		10:31	
48	408-B-02-A		10:13	
49	408-A-04-A		11:40	
50	408-B-05-A		11:30	
51	408-B-01-B		10:51	
52	408-A-05-B		11:55	
53	408-B-01-A		10:47	
54	408-B-03-A		11:02	
55	408-A-03-B		12:21	

Number of Containers

Parameter	Result
NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	
Volatiles 8260C	
Halogenated Volatiles 8260C	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270D/SIM (with low-level PAHs)	
PAHs 8270D/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270D/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
As ICP/MS	X
Pb ICP/MS	X
% Moisture	X

Signature _____ Company _____

Relinquished	Received	Relinquished	Received	Relinquished	Received
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
Company: <i>[Signature]</i>	Company: <i>[Signature]</i>	Company: <i>[Signature]</i>	Company: <i>[Signature]</i>	Company: <i>[Signature]</i>	Company: <i>[Signature]</i>
Date: <i>[Signature]</i>	Date: <i>[Signature]</i>	Date: <i>[Signature]</i>	Date: <i>[Signature]</i>	Date: <i>[Signature]</i>	Date: <i>[Signature]</i>
Time: <i>[Signature]</i>	Time: <i>[Signature]</i>	Time: <i>[Signature]</i>	Time: <i>[Signature]</i>	Time: <i>[Signature]</i>	Time: <i>[Signature]</i>

Comments/Special Instructions

Data Package: Standard Level III Level IV
 Chromatograms with final report Electronic Data Deliverables (EDDs)



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Chain of Custody

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Turnaround Request (in working days)

(Check One)

- Same Day 1 Day
- 2 Days 3 Days
- Standard (7 Days)
- _____ (other)

Laboratory Number: 08-169

Company: **Hart Crouser**
 Project Number: **1450012**
 Project Name: **Everett Smelt Sampling**
 Project Manager: **J. Green**
 Sampled by: **J. Higgins/B. Dozier**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
66	584-A-01-A	8/2/19	15:05	Soil	1
67	584-A-01-B	8/2/19	15:06	Soil	1

Method	Result
NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	
Volatiles 8260C	
Halogenated Volatiles 8260C	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270D/SIM (with low-level PAHs)	
PAHs 8270D/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270D/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
As ICP/MS	XX
Pb ICP/MS	XX
% Moisture	XX

Signature	Company	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	HC	8/13/19	1000	
<i>[Signature]</i>	Specialty	8/13/19	1000	
<i>[Signature]</i>	Specialty	8/13/19	1110	
<i>[Signature]</i>	OSI	8/13/19	1110	

Received/Date: _____

Received/Date: _____

Received/Date: _____

Received/Date: _____

Received/Date: _____

Reviewed/Date: _____

Reviewed/Date: _____

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



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Turnaround Request
 (in working days)

(Check One)

- Same Day 1 Day
- 2 Days 3 Days
- Standard (7 Days)

_____ (other)

Date Sampled Time Sampled Matrix

Number of Containers

Laboratory Number: **08-169**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	As ICP/MS	Pb ICP/MS	% Moisture		
68	430-A-02-B	8/5/19	0905	soil	1																						
69	430-A-03-A	8/5/19	0925		1																						
70	430-A-04-A	8/5/19	0940		1																						
71	430-A-04-B	8/5/19	0940		1																						
72	430-A-06-A	8/5/19	1015		1																						
73	430-A-06-B	8/5/19	1015		1																						
74	430-A-07-A	8/5/19	0950		1																						
75	430-A-07-B	8/5/19	0950		1																						
76	424-A-04-A	8/6/19	1355		1																						
77	424-B-01-A	8/6/19	1110		1																						

Relinquished	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	<i>[Signature]</i>	HC	8/13/19	1000	
Received	<i>[Signature]</i>	Speedy XPR	8/13/19	1000	
Relinquished	<i>[Signature]</i>	OSF	8/13/19	1110	
Received	<i>[Signature]</i>	OSF	8/13/19	1110	
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			

Data Package: Standard Level III Level IV
 Chromatograms with final report Electronic Data Deliverables (EDDs)



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Chain of Custody

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Turnaround Request
 (in working days)

(Check One)

- Same Day 1 Day
- 2 Days 3 Days
- Standard (7 Days)

Date Sampled _____ (other)

Number of Containers

Laboratory Number: **08-169**

Page 11 of 12

Company: Hart Grosser
 Project Number: 1950012
 Project Name: Everett Smelter Residential Sampling
 Project Manager: Jamelyn Green
 Sampled by: Wagie Bradshaw

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers													Comments/Special Instructions							
78	424-B-02-B	8/6/19	1205	Soil	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	As ICP/MS	Pb ICP/MS	% Moisture	
79	424-B-03-B	8/6/19	1135	1																					X
80	424-B-05-B	8/6/19	1150	1																					X
81	424-C-05-A	8/6/19	1042	1																					X
82	424-D-02-B	8/6/19	0945	1																					X
83	425-A-05-A	8/7/19	1355	1																					X
84	425-B-02-B	8/7/19	1115	1																					X
85	425-C-04-B	8/7/19	1015	1																					X
86	425-C-05-B	8/7/19	1030	1																					X
87	425-D-02-B	8/7/19	850	1																					X

Signature: Jamelyn Green Company: HC Date: 8/13/19 Time: 1000

Received: Speedy Alpha Date: 8/13/19 Time: 10:00

Relinquished: Speedy Alpha Date: 8/13/19 Time: 11:10

Received: Mona Green Date: 8/13/19 Time: 11:10

Relinquished: _____

Received: _____

Relinquished: _____

Reviewed/Date: _____

Reviewed/Date: _____

Data Package: Standard Level III Level IV

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Chain of Custody

Page 12 of 12

Turnaround Request
(in Working days)

(Check One)

- Same Day 1 Day
- 2 Days 3 Days

Standard (7 Days)

_____ (other)

Laboratory Number: **08-169**

Company: **Hart Crouser**
 Project Number: **1950012**
 Project Name: **Everett Smelter Residential Sampling**
 Project Manager: **Jamalyn Green**
 Sampled by: **Maggie Bradshaw**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix
88	428-A-05-A	8/8/19	1210	soil
89	428-B-01-B	8/8/19	0940	I
90	428-B-09-B	8/8/19	1055	I

Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	As ICP/MS	Pb ICP/MS	% Moisture
1																				
1																				
1																				

Signature	Company	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	HC	8/13/19	1600	
<i>[Signature]</i>	Speedy Alpha	8/13/19	10:00	
<i>[Signature]</i>	Speedy Alpha	8/13/19	11:10	
<i>[Signature]</i>	OSF	8/13/19	1110	

Received/Date _____

Received _____

Relinquished _____

Relinquished _____

Reviewed/Date _____

Reviewed/Date _____

Chromatograms with final report Electronic Data Deliverables (EDDs)

Data Package: Standard Level III Level IV

Manchester Environmental Laboratory
7411 Beach Drive E, Port Orchard, Washington 98366

Case Narrative - Metals

June 7, 2017

Project: Everett Smelter Uplands Sampling

Work Order: 1704026

Project
Manager: Kulha, Katie

By: Dean Momohara
D'

Summary

The laboratory followed EPA 3050B for the preparation and EPA 6020A for the analysis of metals.

All analyses requested were evaluated by established regulatory quality assurance guidelines.

Sample Information

The samples were received at the Manchester Laboratory on 5/19/2017. The cooler was received within the proper temperature range of 0°C - 6°C. The samples were received in good condition. Sixteen samples were received and assigned laboratory identification numbers 01 to 16.

Holding Times

The laboratory performed all analyses within their hold times.

Calibration

The instrument was calibrated following the appropriate method. All initial and continuing calibration verification checks were within the acceptance limits. All initial and continuing calibration verification and blank checks were within the acceptance limits. All standard residuals were within acceptance limits. All r-values were within acceptance limits.

The instrument was calibrated with a NIST traceable standard and verified to be in calibration with a second source NIST traceable standard. Oven drying temperatures were monitored before and after drying.

Method Blanks

No analytically significant level of analyte was detected in the method blank associated with these samples.

Laboratory Control Samples

All laboratory control sample recoveries were within the acceptance limits.

Replicates

All associated duplicate relative percent differences of samples with concentrations greater than 5 times the reporting limit were within the acceptance limits.

Matrix Spikes

All matrix spike (MS) recoveries were within the acceptance limits except for lead.

Both MS/MSD recoveries for sample 08 for lead were outside of the acceptance limits. The standard spiking level was insufficient for the elevated concentration in the source sample therefore the recovery was not evaluated.

Internal Standards

All internal standard recoveries were within the acceptance limits.

Other Quality Assurance Measures and Issues

U - The analyte was not detected at or above the reported result.

bold - The analyte was present in the sample. (Visual Aid to locate detected compounds on report sheet.)

Please call Dean Momohara at (360) 871-8808 to further discuss this project.

cc: Project File

**Washington State Department of Ecology
Manchester Environmental Laboratory
Final Analysis Report for
Arsenic**

Project Name: Everett Smelter Uplands Sampling

Project Officer: Kulha, Katie
Work Order: 1704026
Analyte: Arsenic

Prep Method: SW3050B
Prepared: 05/25/17
Batch ID: B17E168

Analysis Method: SW6020A
Matrix: Sediment/Soil
Units: mg/Kg dw

Sample #	Sample ID	Result	Qualifier	RL	MDL	Collected	Analyzed
1704026-01	517_B_9_A	28.7		0.500	0.070	04/19/17	06/06/17
1704026-02	518_B_1_A	24.7		0.488	0.068	04/11/17	06/06/17
1704026-03	518_B_1_B	33.6		0.498	0.070	04/11/17	06/06/17
1704026-04	518_B_2_A	30.2		0.495	0.069	04/11/17	06/06/17
1704026-05	518_B_2_B	30.0		0.499	0.070	04/11/17	06/06/17
1704026-06	518_B_4_A	28.9		0.499	0.070	04/11/17	06/06/17
1704026-07	518_B_4_B	29.8		0.499	0.070	04/11/17	06/06/17
1704026-08	518_B_5_A	26.9		0.492	0.069	04/11/17	06/06/17
1704026-09	518_B_6_A	87.6		0.495	0.069	04/11/17	06/06/17
1704026-10	518_B_8_B	32.6		0.488	0.068	04/11/17	06/06/17
1704026-11	519_A_4_B	29.0		0.493	0.069	05/03/17	06/06/17
1704026-12	519_B_3_D	98.4		0.497	0.070	05/10/17	06/06/17
1704026-13	487_A_3_D	10.1		0.497	0.070	05/03/17	06/06/17
1704026-14	407_A_6_B	37.0		0.498	0.070	05/03/17	06/06/17
1704026-15	413_A_7_B	42.5		0.496	0.069	05/03/17	06/06/17
1704026-16	407_B_6_B	25.6		0.500	0.070	05/03/17	06/06/17

QC Results for Batch ID: B17E168

Method Blank	Sample ID	Result	Qualifier	RL	MDL
B17E168-BLK1	Blank	0.100	U	0.100	0.014

Sample #	QC Sample	Result	Spike Level	Source Sample	Source Result	%Rec	%Rec Limits	RPD	RPD Limit
B17E168-BS1	LCS	40.5	40.0			101	85-115		
B17E168-BSD1	LCS Dup	41.2	40.0			103	85-115	2	20
B17E168-MS1	Matrix Spike	46.0	19.9	1704026-01	28.7	87	75-125		
B17E168-MSD1	Matrix Spike Dup	47.5	19.6	1704026-01	28.7	96	75-125	3	20
B17E168-SRM1	B17E168-SRM1	99.2	97.5			102	0-200		

Authorized by: DM

Release Date: 6/7/17

Page 1 of 2

**Washington State Department of Ecology
Manchester Environmental Laboratory
Final Analysis Report for
Lead**

Project Name: Everett Smelter Uplands Sampling

Project Officer: Kulha, Katie
Work Order: 1704026
Analyte: Lead

Prep Method: SW3050B
Prepared: 05/25/17
Batch ID: B17E168

Analysis Method: SW6020A
Matrix: Sediment/Soil
Units: mg/Kg dw

Sample #	Sample ID	Result	Qualifier	RL	MDL	Collected	Analyzed
1704026-01	517_B_9_A	47.0		0.500	0.055	04/19/17	06/06/17
1704026-02	518_B_1_A	43.2		0.488	0.054	04/11/17	06/06/17
1704026-03	518_B_1_B	51.8		0.498	0.055	04/11/17	06/06/17
1704026-04	518_B_2_A	50.8		0.495	0.054	04/11/17	06/06/17
1704026-05	518_B_2_B	39.2		0.499	0.055	04/11/17	06/06/17
1704026-06	518_B_4_A	47.8		0.499	0.055	04/11/17	06/06/17
1704026-07	518_B_4_B	42.7		0.499	0.055	04/11/17	06/06/17
1704026-08	518_B_5_A	532		0.492	0.054	04/11/17	06/06/17
1704026-09	518_B_6_A	168		0.495	0.054	04/11/17	06/06/17
1704026-10	518_B_8_B	34.6		0.488	0.054	04/11/17	06/06/17
1704026-11	519_A_4_B	77.3		0.493	0.054	05/03/17	06/06/17
1704026-12	519_B_3_D	223		0.497	0.055	05/10/17	06/06/17
1704026-13	487_A_3_D	130		0.497	0.055	05/03/17	06/06/17
1704026-14	407_A_6_B	54.7		0.498	0.055	05/03/17	06/06/17
1704026-15	413_A_7_B	124		0.496	0.055	05/03/17	06/06/17
1704026-16	407_B_6_B	32.2		0.500	0.055	05/03/17	06/06/17

QC Results for Batch ID: B17E168

Method Blank	Sample ID	Result	Qualifier	RL	MDL
B17E168-BLK1	Blank	0.100	U	0.100	0.011

Sample #	QC Sample	Result	Spike Level	Source Sample	Source Result	%Rec	%Rec Limits	RPD	RPD Limit
B17E168-BS1	LCS	40.0	40.0			100	85-115		
B17E168-BSD1	LCS Dup	40.6	40.0			102	85-115	2	20
B17E168-MS1	Matrix Spike	357	NC 19.9	1704026-01	47.0 NC		75-125		
B17E168-MSD1	Matrix Spike Dup	448	NC 19.6	1704026-01	47.0 NC		75-125	23	20
B17E168-SRM1	B17E168-SRM1	98.5	96.7			102	0-200		

Authorized by: _____ *Dr*

Release Date: _____ *6/7/17*

Page 2 of 2

Washington State Department of Ecology
Manchester Environmental Laboratory
Cooler Receipt and Preservation Form

Project Name: Everett Smelter Uplands Sampling

WO#: 1704026

of coolers: 1

Delivered by (circle): FedEx UPS MEL-Courier Client Other Describe if "other": _____

For any parameters out of compliance, list affected samples in table on next page.

(Cooler temperature MUST be measured upon opening)

Temperature of each cooler (criterion: $\leq 6^{\circ}\text{C}$;
or $\leq 10^{\circ}\text{C}$ for microbiology samples, only.)

4°C
Did cooler(s) arrive at the proper temperature? Yes No N/A
If No, list samples affected on Page 2.

Receipt at MEL

Date and time:

05/19/17 12:30

Signature: [Signature]

Were all samples removed?

Yes No If no; List analyses removed: _____

Remainder of samples unloaded by someone else?

Yes No N/A

If yes, sign and date

Date and time:

____/____/____ : ____

Signature: _____

Check:

1a. Custody Seal(s) Present?	Yes	<u>No</u>
1b. Custody Seal(s) Intact?	Yes	No <u>NA</u>
2. Was LAR present, correct, and complete?	<u>Yes</u>	No
3. Was chain-of-custody section properly filled out (complete, in ink, signed, etc.)?	<u>Yes</u>	No
4. Did all bottles arrive in good condition (unbroken, no leakage)?	<u>Yes</u>	No
5. Do sample tags on bottles match the LAR paperwork?	<u>Yes</u>	No
6. Were all sample labels complete (i.e.: analysis, sample date, etc.)?	<u>Yes</u>	No
7. Were the samples in correct container for analysis?	<u>Yes</u>	No
8. Were the samples preserved to the proper pH?	Yes	No <u>NA</u>
9a. Did all samples arrive within hold time?	<u>Yes</u>	No
9b. Did all samples arrive with adequate time left for analysis?	<u>Yes</u>	No
9c. If not, was the analyst notified?	Yes No	If so, who? _____

10. Were VOA/TPHG vials received without bubbles/headspace?

Headspace \rightarrow "hs" (> 6 mm)

Yes No NA
(Write "HS" on container if bubble size exceeds 6 mm.)

Did you contact the project officer for any problems?

(Include details on next page.)

Yes No NA

Manchester Environmental Laboratory
7411 Beach Drive E, Port Orchard, Washington 98366

Case Narrative - Metals


February 22, 2021

Project: Everett Smelter Uplands Sampling 2021

Work Order: 2102038

Project

Manager: Matthews, Sandra

By: Heidi Chuhran 

Summary

The laboratory followed EPA 3050B for the preparation and EPA 6020B for the analysis of metals.

All analyses requested were evaluated by established regulatory quality assurance guidelines.

Sample Information

The samples were received at the Manchester Laboratory on 2/10/2021. The cooler was received within the proper temperature range of 0°C - 6°C. The samples were received in good condition. Six samples were received and assigned laboratory identification numbers 01 to 06.

Holding Times

The laboratory performed all analyses within their hold times.

Calibration

The instrument was calibrated following the appropriate method. All initial and continuing calibration verification checks were within the acceptance limits. All initial and continuing calibration blank checks were within the acceptance limits. All standard residuals were within acceptance limits. All r-values were within acceptance limits. The instrument was calibrated with a NIST traceable standard and verified to be in calibration with a second source NIST traceable standard. Oven drying temperatures were monitored before and after drying.

Method Blanks

No analytically significant level of analyte was detected in the method blank associated with these samples.

Laboratory Control Samples

All laboratory control sample recoveries were within the acceptance limits.

Replicates

All associated duplicate relative percent differences of samples with concentrations greater than 5 times the reporting limit were within the acceptance limits.

Matrix Spikes

All matrix spike recoveries were within the acceptance limits except for MS for Pb. MS was outside of control limits due in insufficient spike.

Internal Standards

All internal standard recoveries were within the acceptance limits.

Other Quality Assurance Measures and Issues

- U - The analyte was not detected at or above the reported result.
- J - The analyte was positively identified. The associated numerical result is an estimate.
- UJ - The analyte was not detected at or above the reported estimated result.
- NC - Not Calculated
- bold** - The analyte was present in the sample. (Visual Aid to locate detected compounds on report sheet.)

Please call Heidi Chuhran at (360) 871-8826 to further discuss this project.

cc: Project File

**Washington State Department of Ecology
Manchester Environmental Laboratory
Final Analysis Report for
Arsenic**

Project Name: Everett Smelter Uplands Sampling 2021

**Project Officer: Matthews, Sandra
Work Order: 2102038
Analyte: Arsenic**

**Prep Method: SW3050B
Prepared: 02/16/21
Batch ID: B21B074**

**Analysis Method: SW6020B
Matrix: Sediment/Soil
Units: mg/Kg dw**

Sample #	Sample ID	Result	Qualifier	RL	MDL	Collected	Analyzed
2102038-01	515_A_1_A	25.1		0.050	0.007	12/02/20	02/18/21
2102038-02	515_A_1_B	103		0.050	0.007	12/02/20	02/18/21
2102038-03	515_A_2_B	65.5		0.050	0.007	12/02/20	02/18/21
2102038-04	515_A_3_A	90.7		0.050	0.007	12/02/20	02/18/21
2102038-05	515_A_4_A	25.2		0.050	0.007	12/02/20	02/18/21
2102038-06	375_A_11_B	25.1		0.050	0.007	12/02/20	02/18/21

QC Results for Batch ID: B21B074

Method Blank	Sample ID	Result	Qualifer	RL	MDL
B21B074-BLK1	Blank	0.100	U	0.100	0.014

Sample #	QC Sample	Result	Spike Level	Source Sample	Source Result	%Rec	%Rec Limits	RPD	RPD Limit
B21B074-BS1	LCS	42.8	40.0			107	85-115		
B21B074-BSD1	LCS Dup	43.1	40.0			108	85-115	0.7	20
B21B074-MS1	Matrix Spike	42.7	19.8	2102038-01	25.1	89	75-125		
B21B074-MSD1	Matrix Spike Dup	44.5	19.9	2102038-01	25.1	97	75-125	4	20

Authorized by: _____ *Hsu*

Release Date: _____ *2/22/21* Page 1 of 2

**Washington State Department of Ecology
Manchester Environmental Laboratory
Final Analysis Report for
Lead**

Project Name: Everett Smelter Uplands Sampling 2021


Project Officer: Matthews, Sandra	Prep Method: SW3050B	Analysis Method: SW6020B
Work Order: 2102038	Prepared: 02/16/21	Matrix: Sediment/Soil
Analyte: Lead	Batch ID: B21B074	Units: mg/Kg dw

Sample #	Sample ID	Result	Qualifier	RL	MDL	Collected	Analyzed
2102038-01	515_A_1_A	170		0.050	0.005	12/02/20	02/18/21
2102038-02	515_A_1_B	616		0.495	0.054	12/02/20	02/18/21
2102038-03	515_A_2_B	376		0.050	0.005	12/02/20	02/18/21
2102038-04	515_A_3_A	439		0.050	0.005	12/02/20	02/18/21
2102038-05	515_A_4_A	80.0		0.050	0.005	12/02/20	02/18/21
2102038-06	375_A_11_B	81.7		0.050	0.005	12/02/20	02/18/21

QC Results for Batch ID: B21B074

Method Blank	Sample ID	Result	Qualifier	RL	MDL
B21B074-BLK1	Blank	0.100	U	0.100	0.011

Sample #	QC Sample	Result	Spike Level	Source Sample	Source Result	%Rec	%Rec Limits	RPD	RPD Limit
B21B074-BS1	LCS	42.8	40.0			107	85-115		
B21B074-BSD1	LCS Dup	42.9	40.0			107	85-115	0.3	20
B21B074-MS1	Matrix Spike	183	19.8	2102038-01	170	66	75-125		
B21B074-MSD1	Matrix Spike Dup	185	19.9	2102038-01	170	77	75-125	1	20

Authorized by: _____ 

Release Date: 2/22/21 Page 2 of 2

Washington State Department of Ecology
 Manchester Environmental Laboratory
 Cooler Receipt and Preservation Form

Project Name: Everett Smelter Uplands Sampling # of coolers: 1

WO#: 2102038

Delivered by (circle): FedEx UPS MEL-Courier Client Other Describe if "other": _____

For any parameters out of compliance, list affected samples in table on next page.

(Cooler temperature MUST be measured upon opening)

Temperature of each cooler (criterion: $\leq 6^{\circ}\text{C}$
 or $\leq 10^{\circ}\text{C}$ for microbiology samples, only.)

Did cooler(s) arrive at the proper 1°C temperature? Yes No N/A

Receipt at MEL

Date and time: 2/10/21 8:35

If "No", list samples affected on Page 2.

Signature: Bj JL

Were all samples removed?

Yes No If so; List analyses removed: _____

Remainder of samples unloaded by someone else?

Yes No NA

If yes, sign and date

Date and time: _____

Signature: _____

Check:

- | | | | |
|---|------------|-----------|-----------|
| 1a. Are Custody Seal(s) Present? | Yes | <u>No</u> | |
| 1b. If so, are Custody Seal(s) Intact? | Yes | No | <u>NA</u> |
| 2. Was COC present, correct, and complete? | <u>Yes</u> | No | |
| 3. Was chain-of-custody record properly filled out (complete, in ink, signed, etc.)? | <u>Yes</u> | No | |
| 4. Did all bottles arrive in good condition (unbroken, no leakage)? | <u>Yes</u> | No | |
| 5. Do sample tags on bottles match the COC paperwork? | <u>Yes</u> | No | |
| 6. Were all sample labels complete (i.e.: analysis, sample date, etc.)? | Yes | <u>No</u> | |
| 7. Were the samples in correct container for analysis? | <u>Yes</u> | No | |
| 8. Were the samples (VOA, TPHG, CARBs checked by analyst) preserved to the proper pH? | Yes | No | <u>NA</u> |
| 9. Did all samples arrive within holding time? | <u>Yes</u> | No | |
| 10. Did all samples arrive with more than 1/2 of the hold time left for analysis? | <u>Yes</u> | No | |
| 11. If "No", was the analyst notified? Yes No If so, who? | | | |
| (at a minimum, record initials of analyst) | | | |
| 12. Were VOA/TPHG vials received without bubbles/headspace? | Yes | No | <u>NA</u> |

Headspace \rightarrow "hs" (> 6 mm)

(Write "HS" on container if bubble size exceeds 6 mm.)

Did you contact the project officer for any problems?
 (include details on next page.)

Yes No NA

Washington State Department of Ecology
Manchester Environmental Laboratory
Cooler Receipt and Preservation Form

WO#: 2102038

Receipt date and time: 2/10/21 8:35
BR

How were discrepancies resolved?

List any discrepancies and their resolution below.

Sample numbers

Analysis

Comments

<u>Sample numbers</u>	<u>Analysis</u>	<u>Comments</u>
A11	A11	Work order and Sample numbers were absent from Sample tags.
A11	As, Pb	Lead analysis was absent from Sample tags.

Other notes of clarification from project officer and/or analysts.

ANALYTICAL REPORT

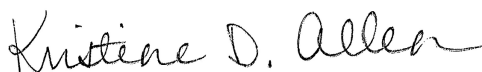
Job Number: 580-29313-1

Job Description: Everett Smelter Uplands Area

For:

Science Applications International Corp
18912 North Creek Parkway, Suite 101
Bothell, WA 98011

Attention: Marina Mitchell



Approved for release.
Kristine Allen
Project Manager I
11/11/2011 3:24 PM

Kristine Allen
Project Manager I
kristine.allen@testamericainc.com
11/11/2011
Revision: 1

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This report shall not be reproduced except in full, without prior express written approval by the laboratory. The results relate only to the item(s) tested and the sample(s) as received by the laboratory.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted in the case narrative.

TestAmerica Laboratories, Inc.

TestAmerica Seattle 5755 8th Street East, Tacoma, WA 98424
Tel (253) 922-2310 Fax (253) 922-5047 www.testamericainc.com



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CASE NARRATIVE

Client: Science Applications International Corp
Project: Everett Smelter Uplands Area
Report Number: 580-29313-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 10/17/2011; the samples arrived in good condition and properly preserved. The temperature of the coolers at receipt was 17.8 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TCLP METALS

Samples TCLP-103 (580-29313-1), TCLP-105 (580-29313-2), TCLP-106 (580-29313-3), TCLP-115 (580-29313-4), TCLP-116 (580-29313-5), TCLP-117 (580-29313-6), TCLP-118 (580-29313-7), TCLP-119 (580-29313-8), TCLP-120 (580-29313-9), TCLP-121 (580-29313-10), TCLP-122 (580-29313-11), TCLP-127 (580-29313-12), TCLP-128 (580-29313-13), TCLP-129-A (580-29313-14), TCLP-129-B (580-29313-15), TCLP-131 (580-29313-16), TCLP-132 (580-29313-17), TCLP-138 (580-29313-18), TCLP-139 (580-29313-19), TCLP-141 (580-29313-20), TCLP-143 (580-29313-21), TCLP-146 (580-29313-22), TCLP-147 (580-29313-23), TCLP-148 (580-29313-24), TCLP-149 (580-29313-25), TCLP-150 (580-29313-26), TCLP-151 (580-29313-27), TCLP-154 (580-29313-28), TCLP-155 (580-29313-29), TCLP-156 (580-29313-30) and TCLP-158 (580-29313-31) were analyzed for TCLP metals in accordance with EPA SW-846 Methods 1311/ 6010B. The samples were leached on 10/19/2011, 10/25/2011 and 10/26/2011, prepared on 10/25/2011, 10/26/2011 and 10/27/2011 and analyzed on 10/26/2011, 10/27/2011 and 10/28/2011.

Barium was detected in method blank (MB) 580-98076/1-B at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Barium was detected in method blanks (MB) 580-98076/1-B and (MB) 580-98088/1-B at a levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been "J" flagged. If the associated sample(s) reported a result above the MDL and/or RL, the result has been "B" flagged.

Arsenic, Barium and Selenium were detected in method blanks (MB) 580-98531/1-B and (MB) 580-98533/1-B at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been "J" flagged. If the associated sample(s) reported a result above the MDL and/or RL, the result has been "B" flagged.

Arsenic was detected in method blank (MB) 580-98675/1-B at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been "J" flagged. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Insufficient sample was provided to perform the leaching procedure with the required 100g for the following sample: TCLP-154 (580-29313-28). The volume of leaching fluid was adjusted proportionally to maintain a 20:1 ratio of leaching fluid to weight of sample. Reporting limits (RLs) are not affected. The sample weight was 77.53g.

No other difficulties were encountered during the TCLP metals analyses.

All other quality control parameters were within the acceptance limits.

TCLP MERCURY

Samples TCLP-103 (580-29313-1), TCLP-105 (580-29313-2), TCLP-106 (580-29313-3), TCLP-115 (580-29313-4), TCLP-116 (580-29313-5), TCLP-117 (580-29313-6), TCLP-118 (580-29313-7), TCLP-119 (580-29313-8), TCLP-120 (580-29313-9), TCLP-121 (580-29313-10), TCLP-122 (580-29313-11), TCLP-127 (580-29313-12), TCLP-128 (580-29313-13), TCLP-129-A (580-29313-14), TCLP-129-B (580-29313-15), TCLP-131 (580-29313-16), TCLP-132 (580-29313-17), TCLP-138 (580-29313-18), TCLP-139 (580-29313-19), TCLP-141 (580-29313-20), TCLP-143 (580-29313-21), TCLP-146 (580-29313-22), TCLP-147 (580-29313-23), TCLP-148 (580-29313-24), TCLP-149 (580-29313-25), TCLP-150 (580-29313-26), TCLP-151 (580-29313-27), TCLP-154 (580-29313-28), TCLP-155 (580-29313-29), TCLP-156 (580-29313-30) and TCLP-158 (580-29313-31) were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 10/19/2011, 10/25/2011 and 10/26/2011, prepared on 10/25/2011, 10/26/2011 and 10/27/2011 and analyzed on 10/26/2011, 10/27/2011 and 10/31/2011.

Mercury was detected in method blank (MB) 580-98690/18-A and (MB) 580-98696/10-A at a levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been "J" flagged. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

No difficulties were encountered during the TCLP mercury analyses.

All quality control parameters were within the acceptance limits.

CORROSIVITY (PH)

Samples TCLP-103 (580-29313-1), TCLP-105 (580-29313-2), TCLP-106 (580-29313-3), TCLP-115 (580-29313-4), TCLP-116 (580-29313-5), TCLP-117 (580-29313-6), TCLP-118 (580-29313-7), TCLP-119 (580-29313-8), TCLP-120 (580-29313-9), TCLP-121 (580-29313-10), TCLP-122 (580-29313-11), TCLP-127 (580-29313-12), TCLP-128 (580-29313-13), TCLP-129-A (580-29313-14), TCLP-129-B (580-29313-15), TCLP-131 (580-29313-16), TCLP-132 (580-29313-17), TCLP-138 (580-29313-18), TCLP-139 (580-29313-19), TCLP-141 (580-29313-20), TCLP-143 (580-29313-21), TCLP-146 (580-29313-22), TCLP-147 (580-29313-23), TCLP-148 (580-29313-24), TCLP-149 (580-29313-25), TCLP-150 (580-29313-26), TCLP-151 (580-29313-27), TCLP-154 (580-29313-28), TCLP-155 (580-29313-29), TCLP-156 (580-29313-30) and TCLP-158 (580-29313-31) were analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045C. The samples were analyzed on 10/19/2011.

No difficulties were encountered during the pH analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples TCLP-103 (580-29313-1), TCLP-105 (580-29313-2), TCLP-106 (580-29313-3), TCLP-115 (580-29313-4), TCLP-116 (580-29313-5), TCLP-117 (580-29313-6), TCLP-118 (580-29313-7), TCLP-119 (580-29313-8), TCLP-120 (580-29313-9), TCLP-121 (580-29313-10), TCLP-122 (580-29313-11), TCLP-127 (580-29313-12), TCLP-128 (580-29313-13), TCLP-129-A (580-29313-14), TCLP-129-B (580-29313-15), TCLP-131 (580-29313-16), TCLP-132 (580-29313-17), TCLP-138 (580-29313-18), TCLP-139 (580-29313-19), TCLP-141 (580-29313-20), TCLP-143 (580-29313-21), TCLP-146 (580-29313-22), TCLP-147 (580-29313-23), TCLP-148 (580-29313-24), TCLP-149 (580-29313-25), TCLP-150 (580-29313-26), TCLP-151 (580-29313-27), TCLP-154 (580-29313-28), TCLP-155 (580-29313-29), TCLP-156 (580-29313-30) and TCLP-158 (580-29313-31) were analyzed for percent solids in accordance with EPA Method 160.3 Modified. The samples were analyzed on 10/24/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Science Applications International Corp

Job Number: 580-29313-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-29313-1	TCLP-103	Solid	10/14/2011 1431	10/17/2011 1505
580-29313-2	TCLP-105	Solid	10/14/2011 1432	10/17/2011 1505
580-29313-3	TCLP-106	Solid	10/14/2011 1433	10/17/2011 1505
580-29313-4	TCLP-115	Solid	10/14/2011 1428	10/17/2011 1505
580-29313-5	TCLP-116	Solid	10/14/2011 1427	10/17/2011 1505
580-29313-6	TCLP-117	Solid	10/14/2011 1425	10/17/2011 1505
580-29313-7	TCLP-118	Solid	10/14/2011 1426	10/17/2011 1505
580-29313-8	TCLP-119	Solid	10/14/2011 1423	10/17/2011 1505
580-29313-9	TCLP-120	Solid	10/14/2011 1420	10/17/2011 1505
580-29313-10	TCLP-121	Solid	10/14/2011 1421	10/17/2011 1505
580-29313-11	TCLP-122	Solid	10/14/2011 1419	10/17/2011 1505
580-29313-12	TCLP-127	Solid	10/14/2011 1417	10/17/2011 1505
580-29313-13	TCLP-128	Solid	10/14/2011 1422	10/17/2011 1505
580-29313-14	TCLP-129-A	Solid	10/14/2011 1355	10/17/2011 1505
580-29313-15	TCLP-129-B	Solid	10/14/2011 1358	10/17/2011 1505
580-29313-16	TCLP-131	Solid	10/14/2011 1415	10/17/2011 1505
580-29313-17	TCLP-132	Solid	10/14/2011 1416	10/17/2011 1505
580-29313-18	TCLP-138	Solid	10/14/2011 1410	10/17/2011 1505
580-29313-19	TCLP-139	Solid	10/14/2011 1430	10/17/2011 1505
580-29313-20	TCLP-141	Solid	10/14/2011 1408	10/17/2011 1505
580-29313-21	TCLP-143	Solid	10/14/2011 1400	10/17/2011 1505
580-29313-22	TCLP-146	Solid	10/14/2011 1404	10/17/2011 1505
580-29313-23	TCLP-147	Solid	10/14/2011 1405	10/17/2011 1505
580-29313-24	TCLP-148	Solid	10/14/2011 1359	10/17/2011 1505
580-29313-25	TCLP-149	Solid	10/14/2011 1402	10/17/2011 1505
580-29313-26	TCLP-150	Solid	10/14/2011 1407	10/17/2011 1505
580-29313-27	TCLP-151	Solid	10/14/2011 1418	10/17/2011 1505
580-29313-28	TCLP-154	Solid	10/14/2011 1411	10/17/2011 1505
580-29313-29	TCLP-155	Solid	10/14/2011 1351	10/17/2011 1505
580-29313-30	TCLP-156	Solid	10/14/2011 1350	10/17/2011 1505
580-29313-31	TCLP-158	Solid	10/17/2011 0915	10/17/2011 1505

METHOD SUMMARY

Client: Science Applications International Corp

Job Number: 580-29313-1

Description		Lab Location	Method	Preparation Method
Matrix	Solid			
Metals (ICP)		TAL SEA	SW846 6010B	
TCLP Extraction		TAL SEA		SW846 1311
Preparation, Total Metals		TAL SEA		SW846 3010A
Mercury (CVAA)		TAL SEA	SW846 7470A	
TCLP Extraction		TAL SEA		SW846 1311
Preparation, Mercury		TAL SEA		SW846 7470A
160.3 Modified		TAL SEA	EPA 160.3	
pH		TAL SEA	SW846 9045C	

Lab References:

TAL SEA = TestAmerica Seattle

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-103

Lab Sample ID: 580-29313-1

Date Sampled: 10/14/2011 1431

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98714	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1314			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0083	J	0.0047	0.060
Barium		0.68	B	0.0020	0.010
Cadmium		0.0028	J	0.0015	0.010
Chromium		ND		0.0033	0.025
Lead		0.013	J	0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98670	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98567	Lab File ID:	102611-HG.CSV
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1057			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1611				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-105

Lab Sample ID: 580-29313-2

Date Sampled: 10/14/2011 1432

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98818	Instrument ID:	SEA027
Prep Method:	3010A	Prep Batch:	580-98688	Lab File ID:	580-98695-98688.prn
Dilution:	1.0	Leach Batch:	580-98531	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1444			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1600				
Leach Date:	10/25/2011 1209				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.015	J B	0.0047	0.060
Barium		0.67	B	0.0020	0.010
Cadmium		0.0020	J	0.0015	0.010
Chromium		0.0054	J	0.0033	0.025
Lead		0.012	J	0.0021	0.030
Selenium		0.014	J B	0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98817	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98690	Lab File ID:	98690-HG.CSV
Dilution:	1.0	Leach Batch:	580-98531	Initial Weight/Volume:	5 mL
Analysis Date:	10/27/2011 1114			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1706				
Leach Date:	10/25/2011 1209				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-106

Lab Sample ID: 580-29313-3

Date Sampled: 10/14/2011 1433

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98714	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1357			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.072	J	0.047	0.60
Barium		6.8	B	0.020	0.10
Cadmium		0.031	J	0.015	0.10
Chromium		ND		0.033	0.25
Lead		0.11	J	0.021	0.30
Selenium		ND		0.042	1.0
Silver		ND		0.085	0.20

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98670	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98567	Lab File ID:	102611-HG.CSV
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1104			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1611				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-115

Lab Sample ID: 580-29313-4

Date Sampled: 10/14/2011 1428

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98714	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1403			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0095	J	0.0047	0.060
Barium		0.74	B	0.0020	0.010
Cadmium		0.0023	J	0.0015	0.010
Chromium		ND		0.0033	0.025
Lead		0.016	J	0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98670	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98567	Lab File ID:	102611-HG.CSV
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1106			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1611				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-116

Lab Sample ID: 580-29313-5

Date Sampled: 10/14/2011 1427

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98714	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1409			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0090	J	0.0047	0.060
Barium		0.84	B	0.0020	0.010
Cadmium		0.0029	J	0.0015	0.010
Chromium		ND		0.0033	0.025
Lead		0.014	J	0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98670	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98567	Lab File ID:	102611-HG.CSV
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1112			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1611				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-117

Lab Sample ID: 580-29313-6

Date Sampled: 10/14/2011 1425

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98714	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1415			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0057	J	0.0047	0.060
Barium		0.63	B	0.0020	0.010
Cadmium		0.0031	J	0.0015	0.010
Chromium		ND		0.0033	0.025
Lead		0.011	J	0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98670	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98567	Lab File ID:	102611-HG.CSV
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1114			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1611				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-118

Lab Sample ID: 580-29313-7

Date Sampled: 10/14/2011 1426

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98714	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1421			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.96	B	0.0020	0.010
Cadmium		0.0033	J	0.0015	0.010
Chromium		0.0037	J	0.0033	0.025
Lead		0.021	J	0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98670	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98567	Lab File ID:	102611-HG.CSV
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1116			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1611				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-119

Lab Sample ID: 580-29313-8

Date Sampled: 10/14/2011 1423

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98714	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1427			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0054	J	0.0047	0.060
Barium		1.1	B	0.0020	0.010
Cadmium		0.0026	J	0.0015	0.010
Chromium		ND		0.0033	0.025
Lead		0.011	J	0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98670	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98567	Lab File ID:	102611-HG.CSV
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1118			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1611				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-120

Lab Sample ID: 580-29313-9

Date Sampled: 10/14/2011 1420

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98714	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1434			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0080	J	0.0047	0.060
Barium		0.76	B	0.0020	0.010
Cadmium		0.0038	J	0.0015	0.010
Chromium		0.0034	J	0.0033	0.025
Lead		0.022	J	0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98670	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98567	Lab File ID:	102611-HG.CSV
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1120			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1611				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-121

Lab Sample ID: 580-29313-10

Date Sampled: 10/14/2011 1421

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98714	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1440			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0076	J	0.0047	0.060
Barium		1.1	B	0.0020	0.010
Cadmium		0.0022	J	0.0015	0.010
Chromium		ND		0.0033	0.025
Lead		0.0077	J	0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98670	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98567	Lab File ID:	102611-HG.CSV
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1122			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1611				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-122

Lab Sample ID: 580-29313-11

Date Sampled: 10/14/2011 1419

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98714	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1500			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0078	J	0.0047	0.060
Barium		0.89	B	0.0020	0.010
Cadmium		0.0027	J	0.0015	0.010
Chromium		0.0034	J	0.0033	0.025
Lead		0.0083	J	0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98670	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98567	Lab File ID:	102611-HG.CSV
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1124			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1611				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-127

Lab Sample ID: 580-29313-12

Date Sampled: 10/14/2011 1417

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98714	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1506			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0075	J	0.0047	0.060
Barium		0.75	B	0.0020	0.010
Cadmium		0.0045	J	0.0015	0.010
Chromium		ND		0.0033	0.025
Lead		0.021	J	0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98670	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98567	Lab File ID:	102611-HG.CSV
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1126			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1611				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-128

Lab Sample ID: 580-29313-13

Date Sampled: 10/14/2011 1422

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98714	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1512			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0070	J	0.0047	0.060
Barium		0.71	B	0.0020	0.010
Cadmium		0.0029	J	0.0015	0.010
Chromium		0.0040	J	0.0033	0.025
Lead		0.020	J	0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98670	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98567	Lab File ID:	102611-HG.CSV
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1128			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1611				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-129-A

Lab Sample ID: 580-29313-14

Date Sampled: 10/14/2011 1355

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98714	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1518			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0062	J	0.0047	0.060
Barium		0.85	B	0.0020	0.010
Cadmium		0.0049	J	0.0015	0.010
Chromium		0.0035	J	0.0033	0.025
Lead		0.025	J	0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98670	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98567	Lab File ID:	102611-HG.CSV
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1130			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1611				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-129-B

Lab Sample ID: 580-29313-15

Date Sampled: 10/14/2011 1358

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98714	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1524			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0052	J	0.0047	0.060
Barium		0.87	B	0.0020	0.010
Cadmium		0.0037	J	0.0015	0.010
Chromium		0.0037	J	0.0033	0.025
Lead		0.036		0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98670	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98567	Lab File ID:	102611-HG.CSV
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1143			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1611				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-131

Lab Sample ID: 580-29313-16

Date Sampled: 10/14/2011 1415

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98714	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1530			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.011	J	0.0047	0.060
Barium		0.63	B	0.0020	0.010
Cadmium		0.0029	J	0.0015	0.010
Chromium		0.0036	J	0.0033	0.025
Lead		0.017	J	0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98670	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98567	Lab File ID:	102611-HG.CSV
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1145			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1611				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-132

Lab Sample ID: 580-29313-17

Date Sampled: 10/14/2011 1416

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98714	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1536			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.013	J	0.0047	0.060
Barium		0.49	B	0.0020	0.010
Cadmium		0.0028	J	0.0015	0.010
Chromium		0.0038	J	0.0033	0.025
Lead		0.016	J	0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98670	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98567	Lab File ID:	102611-HG.CSV
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1147			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1611				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-138

Lab Sample ID: 580-29313-18

Date Sampled: 10/14/2011 1410

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98714	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1542			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0095	J	0.0047	0.060
Barium		0.80	B	0.0020	0.010
Cadmium		0.0058	J	0.0015	0.010
Chromium		ND		0.0033	0.025
Lead		0.13		0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98670	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98567	Lab File ID:	102611-HG.CSV
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1149			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1611				
Leach Date:	10/19/2011 1315				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-139

Lab Sample ID: 580-29313-19

Date Sampled: 10/14/2011 1430

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98714	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98580	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98088	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1128			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1658				
Leach Date:	10/19/2011 1344				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0073	J	0.0047	0.060
Barium		0.70	B	0.0020	0.010
Cadmium		0.0087	J	0.0015	0.010
Chromium		ND		0.0033	0.025
Lead		0.042		0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98670	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98582	Lab File ID:	102611-HG.CSV
Dilution:	1.0	Leach Batch:	580-98088	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1031			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1704				
Leach Date:	10/19/2011 1344				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-141

Lab Sample ID: 580-29313-20

Date Sampled: 10/14/2011 1408

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98714	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98580	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98088	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1212			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1658				
Leach Date:	10/19/2011 1344				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.011	J	0.0047	0.060
Barium		0.55	B	0.0020	0.010
Cadmium		0.0045	J	0.0015	0.010
Chromium		0.0043	J	0.0033	0.025
Lead		0.034		0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98670	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98582	Lab File ID:	102611-HG.CSV
Dilution:	1.0	Leach Batch:	580-98088	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1039			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1704				
Leach Date:	10/19/2011 1344				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-143

Lab Sample ID: 580-29313-21

Date Sampled: 10/14/2011 1400

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98714	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98580	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98088	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1218			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1658				
Leach Date:	10/19/2011 1344				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.012	J	0.0047	0.060
Barium		0.50	B	0.0020	0.010
Cadmium		0.0042	J	0.0015	0.010
Chromium		0.0038	J	0.0033	0.025
Lead		0.042		0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98670	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98582	Lab File ID:	102611-HG.CSV
Dilution:	1.0	Leach Batch:	580-98088	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1041			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1704				
Leach Date:	10/19/2011 1344				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-146

Lab Sample ID: 580-29313-22

Date Sampled: 10/14/2011 1404

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98714	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98580	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98088	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1224			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1658				
Leach Date:	10/19/2011 1345				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.024	J	0.0047	0.060
Barium		1.1	B	0.0020	0.010
Cadmium		0.0043	J	0.0015	0.010
Chromium		0.0038	J	0.0033	0.025
Lead		0.53		0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98670	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98582	Lab File ID:	102611-HG.CSV
Dilution:	1.0	Leach Batch:	580-98088	Initial Weight/Volume:	5 mL
Analysis Date:	10/26/2011 1043			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1704				
Leach Date:	10/19/2011 1345				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-147

Lab Sample ID: 580-29313-23

Date Sampled: 10/14/2011 1405

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98818	Instrument ID:	SEA027
Prep Method:	3010A	Prep Batch:	580-98688	Lab File ID:	580-98695-98688.prn
Dilution:	1.0	Leach Batch:	580-98531	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1404			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1600				
Leach Date:	10/25/2011 1209				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.031	J B	0.0047	0.060
Barium		0.88	B	0.0020	0.010
Cadmium		0.0060	J	0.0015	0.010
Chromium		ND		0.0033	0.025
Lead		0.19		0.0021	0.030
Selenium		0.0093	J B	0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98817	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98690	Lab File ID:	98690-HG.CSV
Dilution:	1.0	Leach Batch:	580-98531	Initial Weight/Volume:	5 mL
Analysis Date:	10/27/2011 1106			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1706				
Leach Date:	10/25/2011 1209				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.00047	J B	0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-148

Lab Sample ID: 580-29313-24

Date Sampled: 10/14/2011 1359

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98818	Instrument ID:	SEA027
Prep Method:	3010A	Prep Batch:	580-98688	Lab File ID:	580-98695-98688.prn
Dilution:	1.0	Leach Batch:	580-98531	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1450			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1600				
Leach Date:	10/25/2011 1209				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.025	J B	0.0047	0.060
Barium		0.67	B	0.0020	0.010
Cadmium		0.0026	J	0.0015	0.010
Chromium		0.0041	J	0.0033	0.025
Lead		0.090		0.0021	0.030
Selenium		0.013	J B	0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98817	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98690	Lab File ID:	98690-HG.CSV
Dilution:	1.0	Leach Batch:	580-98531	Initial Weight/Volume:	5 mL
Analysis Date:	10/27/2011 1116			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1706				
Leach Date:	10/25/2011 1209				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.00048	J B	0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-149

Lab Sample ID: 580-29313-25

Date Sampled: 10/14/2011 1402

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98818	Instrument ID:	SEA027
Prep Method:	3010A	Prep Batch:	580-98688	Lab File ID:	580-98695-98688.prn
Dilution:	1.0	Leach Batch:	580-98531	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1456			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1600				
Leach Date:	10/25/2011 1209				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.028	J B	0.0047	0.060
Barium		0.60	B	0.0020	0.010
Cadmium		0.0041	J	0.0015	0.010
Chromium		0.0036	J	0.0033	0.025
Lead		0.042		0.0021	0.030
Selenium		0.012	J B	0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98817	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98690	Lab File ID:	98690-HG.CSV
Dilution:	1.0	Leach Batch:	580-98531	Initial Weight/Volume:	5 mL
Analysis Date:	10/27/2011 1118			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1706				
Leach Date:	10/25/2011 1209				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.00049	J B	0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-150

Lab Sample ID: 580-29313-26

Date Sampled: 10/14/2011 1407

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98818	Instrument ID:	SEA027
Prep Method:	3010A	Prep Batch:	580-98688	Lab File ID:	580-98695-98688.prn
Dilution:	1.0	Leach Batch:	580-98531	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1501			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1600				
Leach Date:	10/25/2011 1209				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.031	J B	0.0047	0.060
Barium		0.60	B	0.0020	0.010
Cadmium		0.0033	J	0.0015	0.010
Chromium		0.0045	J	0.0033	0.025
Lead		0.055		0.0021	0.030
Selenium		0.0096	J B	0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98817	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98690	Lab File ID:	98690-HG.CSV
Dilution:	1.0	Leach Batch:	580-98531	Initial Weight/Volume:	5 mL
Analysis Date:	10/27/2011 1120			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1706				
Leach Date:	10/25/2011 1209				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.00055	J B	0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-151

Lab Sample ID: 580-29313-27

Date Sampled: 10/14/2011 1418

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98818	Instrument ID:	SEA027
Prep Method:	3010A	Prep Batch:	580-98695	Lab File ID:	580-98695-98688.prn
Dilution:	1.0	Leach Batch:	580-98533	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1136			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1800				
Leach Date:	10/25/2011 1216				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.029	J B	0.0047	0.060
Barium		0.50	B	0.0020	0.010
Cadmium		0.0040	J	0.0015	0.010
Chromium		ND		0.0033	0.025
Lead		0.031		0.0021	0.030
Selenium		0.026	J B	0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98817	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98696	Lab File ID:	98690-HG.CSV
Dilution:	1.0	Leach Batch:	580-98533	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1200			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1805				
Leach Date:	10/25/2011 1216				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.000054	J B	0.000041	0.00020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-154

Lab Sample ID: 580-29313-28

Date Sampled: 10/14/2011 1411

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98818	Instrument ID:	SEA027
Prep Method:	3010A	Prep Batch:	580-98695	Lab File ID:	580-98695-98688.prn
Dilution:	1.0	Leach Batch:	580-98533	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1216			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1800				
Leach Date:	10/25/2011 1216				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.020	J B	0.0047	0.060
Barium		0.51	B	0.0020	0.010
Cadmium		0.0018	J	0.0015	0.010
Chromium		0.0035	J	0.0033	0.025
Lead		0.018	J	0.0021	0.030
Selenium		0.023	J B	0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98817	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98696	Lab File ID:	98690-HG.CSV
Dilution:	1.0	Leach Batch:	580-98533	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1207			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1805				
Leach Date:	10/25/2011 1216				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.000041	0.00020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-155

Lab Sample ID: 580-29313-29

Date Sampled: 10/14/2011 1351

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98818	Instrument ID:	SEA027
Prep Method:	3010A	Prep Batch:	580-98695	Lab File ID:	580-98695-98688.prn
Dilution:	1.0	Leach Batch:	580-98533	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1222			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1800				
Leach Date:	10/25/2011 1216				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.031	J B	0.0047	0.060
Barium		1.0	B	0.0020	0.010
Cadmium		0.0047	J	0.0015	0.010
Chromium		ND		0.0033	0.025
Lead		0.095		0.0021	0.030
Selenium		0.021	J B	0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98817	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98696	Lab File ID:	98690-HG.CSV
Dilution:	1.0	Leach Batch:	580-98533	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1209			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1805				
Leach Date:	10/25/2011 1216				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.000054	J B	0.000041	0.00020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-156

Lab Sample ID: 580-29313-30

Date Sampled: 10/14/2011 1350

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98818	Instrument ID:	SEA027
Prep Method:	3010A	Prep Batch:	580-98695	Lab File ID:	580-98695-98688.prn
Dilution:	1.0	Leach Batch:	580-98533	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1228			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1800				
Leach Date:	10/25/2011 1216				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.020	J B	0.0047	0.060
Barium		0.62	B	0.0020	0.010
Cadmium		0.0027	J	0.0015	0.010
Chromium		0.0036	J	0.0033	0.025
Lead		0.040		0.0021	0.030
Selenium		0.023	J B	0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-98817	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98696	Lab File ID:	98690-HG.CSV
Dilution:	1.0	Leach Batch:	580-98533	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1211			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1805				
Leach Date:	10/25/2011 1216				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.000057	J B	0.000041	0.00020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-29313-1

Client Sample ID: TCLP-158

Lab Sample ID: 580-29313-31

Date Sampled: 10/17/2011 0915

Client Matrix: Solid

Date Received: 10/17/2011 1505

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-98894	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-98814	Lab File ID:	580-98814.asc
Dilution:	1.0	Leach Batch:	580-98675	Initial Weight/Volume:	50 mL
Analysis Date:	10/28/2011 0926			Final Weight/Volume:	50 mL
Prep Date:	10/27/2011 1534				
Leach Date:	10/26/2011 1514				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.018	J B	0.0047	0.060
Barium		0.58		0.0020	0.010
Cadmium		0.0035	J	0.0015	0.010
Chromium		ND		0.0033	0.025
Lead		0.053		0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-99025	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-98816	Lab File ID:	98910-HG.CSV
Dilution:	1.0	Leach Batch:	580-98675	Initial Weight/Volume:	5 mL
Analysis Date:	10/31/2011 1427			Final Weight/Volume:	50 mL
Prep Date:	10/27/2011 1607				
Leach Date:	10/26/2011 1514				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-103

Lab Sample ID: 580-29313-1

Date Sampled: 10/14/2011 1431

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	6.12		SU	1.0	9045C
	Analysis Batch: 580-98125	Analysis Date: 10/19/2011 1732			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98436	Analysis Date: 10/24/2011 1347					DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98436	Analysis Date: 10/24/2011 1347					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-105

Lab Sample ID: 580-29313-2

Date Sampled: 10/14/2011 1432

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	5.73		SU	1.0	9045C
	Analysis Batch: 580-98125	Analysis Date: 10/19/2011 1732			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98436	Analysis Date: 10/24/2011 1347					DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98436	Analysis Date: 10/24/2011 1347					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-106

Lab Sample ID: 580-29313-3

Date Sampled: 10/14/2011 1433

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	5.69		SU	1.0	9045C
	Analysis Batch: 580-98125	Analysis Date: 10/19/2011 1732			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98436	Analysis Date: 10/24/2011 1347					DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98436	Analysis Date: 10/24/2011 1347					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-115

Lab Sample ID: 580-29313-4

Date Sampled: 10/14/2011 1428

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	5.93		SU	1.0	9045C
	Analysis Batch: 580-98125	Analysis Date: 10/19/2011 1732			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98436	Analysis Date: 10/24/2011 1347					DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98436	Analysis Date: 10/24/2011 1347					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-116

Lab Sample ID: 580-29313-5

Client Matrix: Solid

Date Sampled: 10/14/2011 1427

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	6.11		SU	1.0	9045C
	Analysis Batch: 580-98125	Analysis Date: 10/19/2011 1732			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98436	Analysis Date: 10/24/2011 1347					DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98436	Analysis Date: 10/24/2011 1347					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-117

Lab Sample ID: 580-29313-6

Date Sampled: 10/14/2011 1425

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	6.09		SU	1.0	9045C
Analysis Batch: 580-98125		Analysis Date: 10/19/2011 1732		DryWt Corrected: N	

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	160.3
Analysis Batch: 580-98436		Analysis Date: 10/24/2011 1347				DryWt Corrected: N	
Percent Moisture	22		%	0.10	0.10	1.0	160.3
Analysis Batch: 580-98436		Analysis Date: 10/24/2011 1347				DryWt Corrected: N	

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-118

Lab Sample ID: 580-29313-7

Client Matrix: Solid

Date Sampled: 10/14/2011 1426

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	5.83		SU	1.0	9045C
	Analysis Batch: 580-98125	Analysis Date: 10/19/2011 1732			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-119

Lab Sample ID: 580-29313-8

Date Sampled: 10/14/2011 1423

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	5.76		SU	1.0	9045C
	Analysis Batch: 580-98125	Analysis Date: 10/19/2011 1732			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-120

Lab Sample ID: 580-29313-9

Date Sampled: 10/14/2011 1420

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	5.79		SU	1.0	9045C
	Analysis Batch: 580-98125	Analysis Date: 10/19/2011 1732			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-121

Lab Sample ID: 580-29313-10

Date Sampled: 10/14/2011 1421

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	6.04		SU	1.0	9045C
Analysis Batch: 580-98125		Analysis Date: 10/19/2011 1732		DryWt Corrected: N	

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	160.3
Analysis Batch: 580-98443		Analysis Date: 10/24/2011 1430				DryWt Corrected: N	
Percent Moisture	18		%	0.10	0.10	1.0	160.3
Analysis Batch: 580-98443		Analysis Date: 10/24/2011 1430				DryWt Corrected: N	

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-122

Lab Sample ID: 580-29313-11

Date Sampled: 10/14/2011 1419

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	5.96		SU	1.0	9045C
Analysis Batch: 580-98125		Analysis Date: 10/19/2011 1732		DryWt Corrected: N	

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	160.3
Analysis Batch: 580-98443		Analysis Date: 10/24/2011 1430				DryWt Corrected: N	
Percent Moisture	18		%	0.10	0.10	1.0	160.3
Analysis Batch: 580-98443		Analysis Date: 10/24/2011 1430				DryWt Corrected: N	

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-127

Lab Sample ID: 580-29313-12

Date Sampled: 10/14/2011 1417

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	5.86		SU	1.0	9045C
	Analysis Batch: 580-98125	Analysis Date: 10/19/2011 1732			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-128

Lab Sample ID: 580-29313-13

Date Sampled: 10/14/2011 1422

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	5.60		SU	1.0	9045C
Analysis Batch: 580-98125		Analysis Date: 10/19/2011 1732		DryWt Corrected: N	

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	160.3
Analysis Batch: 580-98443		Analysis Date: 10/24/2011 1430		DryWt Corrected: N			
Percent Moisture	22		%	0.10	0.10	1.0	160.3
Analysis Batch: 580-98443		Analysis Date: 10/24/2011 1430		DryWt Corrected: N			

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-129-A

Lab Sample ID: 580-29313-14

Date Sampled: 10/14/2011 1355

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	5.76		SU	1.0	9045C
	Analysis Batch: 580-98125	Analysis Date: 10/19/2011 1732			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-129-B

Lab Sample ID: 580-29313-15

Date Sampled: 10/14/2011 1358

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	5.59		SU	1.0	9045C
	Analysis Batch: 580-98125	Analysis Date: 10/19/2011 1732			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-131

Lab Sample ID: 580-29313-16
 Client Matrix: Solid

Date Sampled: 10/14/2011 1415
 Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	5.92		SU	1.0	9045C
Analysis Batch: 580-98125		Analysis Date: 10/19/2011 1732		DryWt Corrected: N	

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	76		%	0.10	0.10	1.0	160.3
Analysis Batch: 580-98443		Analysis Date: 10/24/2011 1430		DryWt Corrected: N			
Percent Moisture	24		%	0.10	0.10	1.0	160.3
Analysis Batch: 580-98443		Analysis Date: 10/24/2011 1430		DryWt Corrected: N			

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-132

Lab Sample ID: 580-29313-17

Date Sampled: 10/14/2011 1416

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	5.38		SU	1.0	9045C
Analysis Batch: 580-98125		Analysis Date: 10/19/2011 1732		DryWt Corrected: N	

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	160.3
Analysis Batch: 580-98443		Analysis Date: 10/24/2011 1430		DryWt Corrected: N			
Percent Moisture	19		%	0.10	0.10	1.0	160.3
Analysis Batch: 580-98443		Analysis Date: 10/24/2011 1430		DryWt Corrected: N			

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-138

Lab Sample ID: 580-29313-18

Date Sampled: 10/14/2011 1410

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	5.44		SU	1.0	9045C
	Analysis Batch: 580-98125	Analysis Date: 10/19/2011 1732			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-139

Lab Sample ID: 580-29313-19

Date Sampled: 10/14/2011 1430

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	6.44		SU	1.0	9045C
	Analysis Batch: 580-98127	Analysis Date: 10/19/2011 1737			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-141

Lab Sample ID: 580-29313-20

Date Sampled: 10/14/2011 1408

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	6.10		SU	1.0	9045C
	Analysis Batch: 580-98127	Analysis Date: 10/19/2011 1737			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-143

Lab Sample ID: 580-29313-21
 Client Matrix: Solid

Date Sampled: 10/14/2011 1400
 Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	5.75		SU	1.0	9045C
Analysis Batch: 580-98127		Analysis Date: 10/19/2011 1737		DryWt Corrected: N	

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	160.3
Analysis Batch: 580-98443		Analysis Date: 10/24/2011 1430		DryWt Corrected: N			
Percent Moisture	20		%	0.10	0.10	1.0	160.3
Analysis Batch: 580-98443		Analysis Date: 10/24/2011 1430		DryWt Corrected: N			

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-146

Lab Sample ID: 580-29313-22

Date Sampled: 10/14/2011 1404

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	5.84		SU	1.0	9045C
Analysis Batch: 580-98127		Analysis Date: 10/19/2011 1737		DryWt Corrected: N	

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	160.3
Analysis Batch: 580-98443		Analysis Date: 10/24/2011 1430		DryWt Corrected: N			
Percent Moisture	18		%	0.10	0.10	1.0	160.3
Analysis Batch: 580-98443		Analysis Date: 10/24/2011 1430		DryWt Corrected: N			

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-147

Lab Sample ID: 580-29313-23

Date Sampled: 10/14/2011 1405

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	5.97		SU	1.0	9045C
	Analysis Batch: 580-98127	Analysis Date: 10/19/2011 1737			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-148

Lab Sample ID: 580-29313-24

Date Sampled: 10/14/2011 1359

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	6.17		SU	1.0	9045C
	Analysis Batch: 580-98127	Analysis Date: 10/19/2011 1737			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	90		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N
Percent Moisture	10		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-149

Lab Sample ID: 580-29313-25

Date Sampled: 10/14/2011 1402

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	5.99		SU	1.0	9045C
	Analysis Batch: 580-98127	Analysis Date: 10/19/2011 1737			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-150

Lab Sample ID: 580-29313-26

Date Sampled: 10/14/2011 1407

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	6.08		SU	1.0	9045C
	Analysis Batch: 580-98127	Analysis Date: 10/19/2011 1737			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98443	Analysis Date: 10/24/2011 1430					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-151

Lab Sample ID: 580-29313-27

Date Sampled: 10/14/2011 1418

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	5.98		SU	1.0	9045C
	Analysis Batch: 580-98127	Analysis Date: 10/19/2011 1737			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98446	Analysis Date: 10/24/2011 1500					DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98446	Analysis Date: 10/24/2011 1500					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-154

Lab Sample ID: 580-29313-28

Date Sampled: 10/14/2011 1411

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	6.11		SU	1.0	9045C
Analysis Batch: 580-98127		Analysis Date: 10/19/2011 1737		DryWt Corrected: N	

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	160.3
Analysis Batch: 580-98446		Analysis Date: 10/24/2011 1500				DryWt Corrected: N	
Percent Moisture	20		%	0.10	0.10	1.0	160.3
Analysis Batch: 580-98446		Analysis Date: 10/24/2011 1500				DryWt Corrected: N	

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-155

Lab Sample ID: 580-29313-29

Date Sampled: 10/14/2011 1351

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	6.18		SU	1.0	9045C
	Analysis Batch: 580-98127	Analysis Date: 10/19/2011 1737			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98446	Analysis Date: 10/24/2011 1500					DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98446	Analysis Date: 10/24/2011 1500					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-156

Lab Sample ID: 580-29313-30

Date Sampled: 10/14/2011 1350

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	5.80		SU	1.0	9045C
	Analysis Batch: 580-98127	Analysis Date: 10/19/2011 1737			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	77		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98446	Analysis Date: 10/24/2011 1500					DryWt Corrected: N
Percent Moisture	23		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98446	Analysis Date: 10/24/2011 1500					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-29313-1

General Chemistry

Client Sample ID: TCLP-158

Lab Sample ID: 580-29313-31

Date Sampled: 10/17/2011 0915

Client Matrix: Solid

Date Received: 10/17/2011 1505

Analyte	Result	Qual	Units	Dil	Method
pH	5.17		SU	1.0	9045C
	Analysis Batch: 580-98127		Analysis Date: 10/19/2011 1737		DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	72		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98446		Analysis Date: 10/24/2011 1500				DryWt Corrected: N
Percent Moisture	28		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-98446		Analysis Date: 10/24/2011 1500				DryWt Corrected: N

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Method Blank - Batch: 580-98565

Lab Sample ID: MB 580-98076/1-B
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/26/2011 1244
 Prep Date: 10/25/2011 1606
 Leach Date: 10/19/2011 1315

Analysis Batch: 580-98714
 Prep Batch: 580-98565
 Leach Batch: 580-98076
 Units: mg/L

**Method: 6010B
 Preparation: 3010A
 TCLP**

Instrument ID: TAC047
 Lab File ID: 580-98580-98565.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.0047	0.060
Barium	0.00370	J	0.0020	0.010
Cadmium	ND		0.0015	0.010
Chromium	ND		0.0033	0.025
Lead	ND		0.0021	0.030
Selenium	ND		0.0042	0.10
Silver	ND		0.0085	0.020

LCS-Certified Reference Material - Batch: 580-98565

Lab Sample ID: LCSSRM
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/26/2011 1302
 Prep Date: 10/25/2011 1606
 Leach Date: N/A

Analysis Batch: 580-98714
 Prep Batch: 580-98565
 Leach Batch: N/A
 Units: mg/L

**Method: 6010B
 Preparation: 3010A**

Instrument ID: TAC047
 Lab File ID: 580-98580-98565.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	4.00	4.64	116	80 - 120	
Barium	4.00	4.14	103	80 - 120	
Cadmium	0.100	0.108	108	80 - 120	
Chromium	0.400	0.423	106	80 - 120	
Lead	1.00	1.02	102	80 - 120	
Selenium	4.00	4.48	112	80 - 120	
Silver	0.600	0.601	100	80 - 120	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-98565**

**Method: 6010B
Preparation: 3010A**

LCS Lab Sample ID:	LCS 580-98565/23-A	Analysis Batch:	580-98714	Instrument ID:	TAC047
Client Matrix:	Water	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1250	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 580-98565/24-A	Analysis Batch:	580-98714	Instrument ID:	TAC047
Client Matrix:	Water	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1256	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	115	115	80 - 120	0	20		
Barium	101	103	80 - 120	2	20		
Cadmium	107	107	80 - 120	1	20		
Chromium	105	104	80 - 120	0	20		
Lead	102	100	80 - 120	1	20		
Selenium	112	113	80 - 120	1	20		
Silver	97	98	80 - 120	2	20		

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-98565**

**Method: 6010B
Preparation: 3010A**

LCS Lab Sample ID:	LCS 580-98565/23-A	Units:	mg/L	LCSD Lab Sample ID:	LCSD 580-98565/24-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	10/26/2011 1250			Analysis Date:	10/26/2011 1256
Prep Date:	10/25/2011 1606			Prep Date:	10/25/2011 1606
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	4.00	4.00	4.59	4.61
Barium	4.00	4.00	4.04	4.12
Cadmium	0.100	0.100	0.107	0.107
Chromium	0.400	0.400	0.418	0.417
Lead	1.00	1.00	1.02	1.00
Selenium	4.00	4.00	4.47	4.52
Silver	0.600	0.600	0.580	0.591

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Post Digestion Spike - Batch: 580-98565

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID:	580-29313-1	Analysis Batch:	580-98714	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1337	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	0.0083 J	4.00	4.82	120		
Barium	0.68	4.00	4.70	100		
Cadmium	0.0028 J	0.100	0.109	106		
Chromium	ND	0.400	0.422	105		
Lead	0.013 J	1.00	1.01	100		
Selenium	ND	4.00	4.80	120		
Silver	ND	0.600	0.622	104		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-98565**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID:	580-29313-1	Analysis Batch:	580-98714	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1326			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

MSD Lab Sample ID:	580-29313-1	Analysis Batch:	580-98714	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1331			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	119	118	50 - 150	0	20		
Barium	103	101	50 - 150	2	20		
Cadmium	105	104	50 - 150	1	20		
Chromium	103	102	50 - 150	1	20		
Lead	98	97	50 - 150	1	20		
Selenium	119	117	50 - 150	1	20		
Silver	99	96	50 - 150	3	20		

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-98565**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID: 580-29313-1 Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/26/2011 1326
 Prep Date: 10/25/2011 1606
 Leach Date: 10/19/2011 1315

MSD Lab Sample ID: 580-29313-1
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/26/2011 1331
 Prep Date: 10/25/2011 1606
 Leach Date: 10/19/2011 1315

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	0.0083	J	4.00	4.00	4.75	4.73
Barium	0.68		4.00	4.00	4.80	4.71
Cadmium	0.0028	J	0.100	0.100	0.108	0.107
Chromium	ND		0.400	0.400	0.411	0.407
Lead	0.013	J	1.00	1.00	0.989	0.982
Selenium	ND		4.00	4.00	4.74	4.67
Silver	ND		0.600	0.600	0.594	0.578

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Serial Dilution - Batch: 580-98565

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID:	580-29313-1	Analysis Batch:	580-98714	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	5.0	Leach Batch:	580-98076	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1308	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	0.0083 J	ND	NC		
Barium	0.68	0.675	0.41		
Cadmium	0.0028 J	ND	NC		
Chromium	ND	ND	NC		
Lead	0.013 J	0.0110	NC		J
Selenium	ND	ND	NC		
Silver	ND	ND	NC		

Duplicate - Batch: 580-98565

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID:	580-29313-1	Analysis Batch:	580-98714	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-98565	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98076	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1320	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1606				
Leach Date:	10/19/2011 1315				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	0.0083 J	0.00890	7	20	J
Barium	0.68	0.648	4	20	
Cadmium	0.0028 J	0.00280	0	20	J
Chromium	ND	ND	NC	20	
Lead	0.013 J	0.0119	7	20	J
Selenium	ND	ND	NC	20	
Silver	ND	ND	NC	20	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Method Blank - Batch: 580-98580

Lab Sample ID: MB 580-98088/1-B
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/26/2011 1059
 Prep Date: 10/25/2011 1658
 Leach Date: 10/19/2011 1344

Analysis Batch: 580-98714
 Prep Batch: 580-98580
 Leach Batch: 580-98088
 Units: mg/L

**Method: 6010B
 Preparation: 3010A
 TCLP**

Instrument ID: TAC047
 Lab File ID: 580-98580-98565.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.0047	0.060
Barium	0.00440	J	0.0020	0.010
Cadmium	ND		0.0015	0.010
Chromium	ND		0.0033	0.025
Lead	ND		0.0021	0.030
Selenium	ND		0.0042	0.10
Silver	ND		0.0085	0.020

LCS-Certified Reference Material - Batch: 580-98580

Lab Sample ID: LCSSRM
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/26/2011 1117
 Prep Date: 10/25/2011 1658
 Leach Date: N/A

Analysis Batch: 580-98714
 Prep Batch: 580-98580
 Leach Batch: N/A
 Units: mg/L

**Method: 6010B
 Preparation: 3010A**

Instrument ID: TAC047
 Lab File ID: 580-98580-98565.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	4.00	4.61	115	80 - 120	
Barium	4.00	4.07	102	80 - 120	
Cadmium	0.100	0.106	106	80 - 120	
Chromium	0.400	0.423	106	80 - 120	
Lead	1.00	1.00	100	80 - 120	
Selenium	4.00	4.57	114	80 - 120	
Silver	0.600	0.597	100	80 - 120	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-98580**

**Method: 6010B
Preparation: 3010A**

LCS Lab Sample ID:	LCS 580-98580/9-A	Analysis Batch:	580-98714	Instrument ID:	TAC047
Client Matrix:	Water	Prep Batch:	580-98580	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1105	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1658				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 580-98580/10-A	Analysis Batch:	580-98714	Instrument ID:	TAC047
Client Matrix:	Water	Prep Batch:	580-98580	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1111	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1658				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	109	114	80 - 120	4	20		
Barium	103	103	80 - 120	0	20		
Cadmium	102	105	80 - 120	3	20		
Chromium	100	104	80 - 120	4	20		
Lead	97	100	80 - 120	3	20		
Selenium	110	113	80 - 120	3	20		
Silver	94	99	80 - 120	5	20		

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-98580**

**Method: 6010B
Preparation: 3010A**

LCS Lab Sample ID:	LCS 580-98580/9-A	Units:	mg/L	LCSD Lab Sample ID:	LCSD 580-98580/10-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	10/26/2011 1105			Analysis Date:	10/26/2011 1111
Prep Date:	10/25/2011 1658			Prep Date:	10/25/2011 1658
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	4.00	4.00	4.37	4.54
Barium	4.00	4.00	4.12	4.13
Cadmium	0.100	0.100	0.102	0.105
Chromium	0.400	0.400	0.400	0.415
Lead	1.00	1.00	0.967	0.995
Selenium	4.00	4.00	4.38	4.54
Silver	0.600	0.600	0.566	0.597

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Post Digestion Spike - Batch: 580-98580

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID:	580-29313-19	Analysis Batch:	580-98714	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-98580	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98088	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1152	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1658				
Leach Date:	10/19/2011 1344				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	0.0073 J	4.00	4.68	117		
Barium	0.70	4.00	4.67	99		
Cadmium	0.0087 J	0.100	0.113	104		
Chromium	ND	0.400	0.417	104		
Lead	0.042	1.00	1.02	98		
Selenium	ND	4.00	4.70	117		
Silver	ND	0.600	0.592	99		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-98580**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID:	580-29313-19	Analysis Batch:	580-98714	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-98580	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98088	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1141			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1658				
Leach Date:	10/19/2011 1344				

MSD Lab Sample ID:	580-29313-19	Analysis Batch:	580-98714	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-98580	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98088	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1146			Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1658				
Leach Date:	10/19/2011 1344				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	116	120	50 - 150	3	20		
Barium	104	102	50 - 150	2	20		
Cadmium	102	105	50 - 150	2	20		
Chromium	102	104	50 - 150	2	20		
Lead	96	98	50 - 150	2	20		
Selenium	118	121	50 - 150	3	20		
Silver	100	101	50 - 150	1	20		

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-98580**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID: 580-29313-19 Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/26/2011 1141
 Prep Date: 10/25/2011 1658
 Leach Date: 10/19/2011 1344

MSD Lab Sample ID: 580-29313-19
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/26/2011 1146
 Prep Date: 10/25/2011 1658
 Leach Date: 10/19/2011 1344

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	0.0073	J	4.00	4.00	4.65	4.80
Barium	0.70		4.00	4.00	4.85	4.78
Cadmium	0.0087	J	0.100	0.100	0.111	0.114
Chromium	ND		0.400	0.400	0.407	0.417
Lead	0.042		1.00	1.00	0.999	1.02
Selenium	ND		4.00	4.00	4.73	4.86
Silver	ND		0.600	0.600	0.598	0.605

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Serial Dilution - Batch: 580-98580

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID:	580-29313-19	Analysis Batch:	580-98714	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-98580	Lab File ID:	580-98580-98565.asc
Dilution:	5.0	Leach Batch:	580-98088	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1123	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1658				
Leach Date:	10/19/2011 1344				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	0.0073 J	ND	NC		
Barium	0.70	0.683	2.8		
Cadmium	0.0087 J	0.00900	NC		J
Chromium	ND	ND	NC		
Lead	0.042	0.0390	NC		J
Selenium	ND	ND	NC		
Silver	ND	ND	NC		

Duplicate - Batch: 580-98580

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID:	580-29313-19	Analysis Batch:	580-98714	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-98580	Lab File ID:	580-98580-98565.asc
Dilution:	1.0	Leach Batch:	580-98088	Initial Weight/Volume:	50 mL
Analysis Date:	10/26/2011 1135	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/25/2011 1658				
Leach Date:	10/19/2011 1344				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	0.0073 J	0.00860	16	20	J
Barium	0.70	0.702	0.06	20	
Cadmium	0.0087 J	0.00880	1	20	J
Chromium	ND	ND	NC	20	
Lead	0.042	0.0434	3	20	
Selenium	ND	ND	NC	20	
Silver	ND	ND	NC	20	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Method Blank - Batch: 580-98688

Lab Sample ID: MB 580-98531/1-B
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/27/2011 1256
 Prep Date: 10/26/2011 1600
 Leach Date: 10/25/2011 1209

Analysis Batch: 580-98818
 Prep Batch: 580-98688
 Leach Batch: 580-98531
 Units: mg/L

**Method: 6010B
 Preparation: 3010A
 TCLP**

Instrument ID: SEA027
 Lab File ID: 580-98695-98688.prn
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.0115	J	0.0047	0.060
Barium	0.00450	J	0.0020	0.010
Cadmium	ND		0.0015	0.010
Chromium	ND		0.0033	0.025
Lead	ND		0.0021	0.030
Selenium	0.0104	J	0.0042	0.10
Silver	ND		0.0085	0.020

LCS-Certified Reference Material - Batch: 580-98688

Lab Sample ID: LCSSRM
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/27/2011 1313
 Prep Date: 10/26/2011 1600
 Leach Date: N/A

Analysis Batch: 580-98818
 Prep Batch: 580-98688
 Leach Batch: N/A
 Units: mg/L

**Method: 6010B
 Preparation: 3010A**

Instrument ID: SEA027
 Lab File ID: 580-98695-98688.prn
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	4.00	4.28	107	80 - 120	
Barium	4.00	3.81	95	80 - 120	
Cadmium	0.100	0.102	102	80 - 120	
Chromium	0.400	0.400	100	80 - 120	
Lead	1.00	1.01	101	80 - 120	
Selenium	4.00	4.24	106	80 - 120	
Silver	0.600	0.629	105	80 - 120	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-98688**

**Method: 6010B
Preparation: 3010A**

LCS Lab Sample ID:	LCS 580-98688/24-A	Analysis Batch:	580-98818	Instrument ID:	SEA027
Client Matrix:	Water	Prep Batch:	580-98688	Lab File ID:	580-98695-98688.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1302	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1600				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 580-98688/25-A	Analysis Batch:	580-98818	Instrument ID:	SEA027
Client Matrix:	Water	Prep Batch:	580-98688	Lab File ID:	580-98695-98688.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1307	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1600				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	107	110	80 - 120	3	20		
Barium	99	99	80 - 120	1	20		
Cadmium	103	106	80 - 120	3	20		
Chromium	103	104	80 - 120	1	20		
Lead	102	105	80 - 120	3	20		
Selenium	105	109	80 - 120	3	20		
Silver	108	108	80 - 120	0	20		

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-98688**

**Method: 6010B
Preparation: 3010A**

LCS Lab Sample ID:	LCS 580-98688/24-A	Units:	mg/L	LCSD Lab Sample ID:	LCSD 580-98688/25-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	10/27/2011 1302			Analysis Date:	10/27/2011 1307
Prep Date:	10/26/2011 1600			Prep Date:	10/26/2011 1600
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	4.00	4.00	4.28	4.40
Barium	4.00	4.00	3.95	3.97
Cadmium	0.100	0.100	0.103	0.106
Chromium	0.400	0.400	0.414	0.417
Lead	1.00	1.00	1.02	1.05
Selenium	4.00	4.00	4.21	4.35
Silver	0.600	0.600	0.649	0.650

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Post Digestion Spike - Batch: 580-98688

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID:	580-29313-23	Analysis Batch:	580-98818	Instrument ID:	SEA027
Client Matrix:	Solid	Prep Batch:	580-98688	Lab File ID:	580-98695-98688.prn
Dilution:	1.0	Leach Batch:	580-98531	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1427	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1600				
Leach Date:	10/25/2011 1209				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	0.031 J	4.00	3.43	85		
Barium	0.88	4.00	4.84	99		
Cadmium	0.0060 J	0.100	0.111	105		
Chromium	ND	0.400	0.426	107		
Lead	0.19	1.00	1.23	104		
Selenium	0.0093 J	4.00	4.50	112		
Silver	ND	0.600	0.677	113		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-98688**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID:	580-29313-23	Analysis Batch:	580-98818	Instrument ID:	SEA027
Client Matrix:	Solid	Prep Batch:	580-98688	Lab File ID:	580-98695-98688.prn
Dilution:	1.0	Leach Batch:	580-98531	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1416			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1600				
Leach Date:	10/25/2011 1209				

MSD Lab Sample ID:	580-29313-23	Analysis Batch:	580-98818	Instrument ID:	SEA027
Client Matrix:	Solid	Prep Batch:	580-98688	Lab File ID:	580-98695-98688.prn
Dilution:	1.0	Leach Batch:	580-98531	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1421			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1600				
Leach Date:	10/25/2011 1209				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	105	110	50 - 150	5	20		
Barium	97	94	50 - 150	3	20		
Cadmium	99	100	50 - 150	1	20		
Chromium	104	101	50 - 150	3	20		
Lead	98	103	50 - 150	4	20		
Selenium	105	110	50 - 150	5	20		
Silver	109	107	50 - 150	2	20		

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-98688**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID: 580-29313-23 Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/27/2011 1416
 Prep Date: 10/26/2011 1600
 Leach Date: 10/25/2011 1209

MSD Lab Sample ID: 580-29313-23
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/27/2011 1421
 Prep Date: 10/26/2011 1600
 Leach Date: 10/25/2011 1209

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	0.031	J	4.00	4.00	4.25	4.45
Barium	0.88		4.00	4.00	4.78	4.65
Cadmium	0.0060	J	0.100	0.100	0.105	0.106
Chromium	ND		0.400	0.400	0.415	0.403
Lead	0.19		1.00	1.00	1.16	1.22
Selenium	0.0093	J	4.00	4.00	4.22	4.42
Silver	ND		0.600	0.600	0.656	0.641

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Serial Dilution - Batch: 580-98688

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID:	580-29313-23	Analysis Batch:	580-98818	Instrument ID:	SEA027
Client Matrix:	Solid	Prep Batch:	580-98688	Lab File ID:	580-98695-98688.prn
Dilution:	5.0	Leach Batch:	580-98531	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1359	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1600				
Leach Date:	10/25/2011 1209				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	0.031 J	0.0621	NC		J
Barium	0.88	0.899	1.8		
Cadmium	0.0060 J	ND	NC		
Chromium	ND	ND	NC		
Lead	0.19	0.190	0.07		
Selenium	0.0093 J	0.0247	NC		J
Silver	ND	ND	NC		

Duplicate - Batch: 580-98688

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID:	580-29313-23	Analysis Batch:	580-98818	Instrument ID:	SEA027
Client Matrix:	Solid	Prep Batch:	580-98688	Lab File ID:	580-98695-98688.prn
Dilution:	1.0	Leach Batch:	580-98531	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1410	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1600				
Leach Date:	10/25/2011 1209				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	0.031 J	0.0304	2	20	J
Barium	0.88	0.862	2	20	
Cadmium	0.0060 J	0.00580	4	20	J
Chromium	ND	ND	NC	20	
Lead	0.19	0.181	5	20	
Selenium	0.0093 J	0.0126	29	20	J
Silver	ND	ND	NC	20	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Method Blank - Batch: 580-98695

Lab Sample ID: MB 580-98533/1-B
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/27/2011 1108
 Prep Date: 10/26/2011 1800
 Leach Date: 10/25/2011 1215

Analysis Batch: 580-98818
 Prep Batch: 580-98695
 Leach Batch: 580-98533
 Units: mg/L

**Method: 6010B
 Preparation: 3010A
 TCLP**

Instrument ID: SEA027
 Lab File ID: 580-98695-98688.prn
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.0131	J	0.0047	0.060
Barium	0.00406	J	0.0020	0.010
Cadmium	ND		0.0015	0.010
Chromium	ND		0.0033	0.025
Lead	ND		0.0021	0.030
Selenium	0.0152	J	0.0042	0.10
Silver	ND		0.0085	0.020

LCS-Certified Reference Material - Batch: 580-98695

Lab Sample ID: LCSSRM
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/27/2011 1125
 Prep Date: 10/26/2011 1800
 Leach Date: N/A

Analysis Batch: 580-98818
 Prep Batch: 580-98695
 Leach Batch: N/A
 Units: mg/L

**Method: 6010B
 Preparation: 3010A**

Instrument ID: SEA027
 Lab File ID: 580-98695-98688.prn
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	4.00	4.35	109	80 - 120	
Barium	4.00	3.85	96	80 - 120	
Cadmium	0.100	0.104	104	80 - 120	
Chromium	0.400	0.402	100	80 - 120	
Lead	1.00	1.03	103	80 - 120	
Selenium	4.00	4.29	107	80 - 120	
Silver	0.600	0.640	107	80 - 120	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-98695**

**Method: 6010B
Preparation: 3010A**

LCS Lab Sample ID:	LCS 580-98695/11-A	Analysis Batch:	580-98818	Instrument ID:	SEA027
Client Matrix:	Water	Prep Batch:	580-98695	Lab File ID:	580-98695-98688.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1114	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1800				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 580-98695/12-A	Analysis Batch:	580-98818	Instrument ID:	SEA027
Client Matrix:	Water	Prep Batch:	580-98695	Lab File ID:	580-98695-98688.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1119	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1800				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	105	107	80 - 120	2	20		
Barium	97	97	80 - 120	0	20		
Cadmium	101	104	80 - 120	2	20		
Chromium	101	101	80 - 120	0	20		
Lead	101	104	80 - 120	2	20		
Selenium	103	105	80 - 120	2	20		
Silver	107	106	80 - 120	1	20		

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-98695**

**Method: 6010B
Preparation: 3010A**

LCS Lab Sample ID:	LCS 580-98695/11-A	Units:	mg/L	LCSD Lab Sample ID:	LCSD 580-98695/12-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	10/27/2011 1114			Analysis Date:	10/27/2011 1119
Prep Date:	10/26/2011 1800			Prep Date:	10/26/2011 1800
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	4.00	4.00	4.19	4.26
Barium	4.00	4.00	3.89	3.87
Cadmium	0.100	0.100	0.101	0.104
Chromium	0.400	0.400	0.405	0.403
Lead	1.00	1.00	1.01	1.04
Selenium	4.00	4.00	4.13	4.21
Silver	0.600	0.600	0.639	0.634

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Post Digestion Spike - Batch: 580-98695

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID:	580-29313-27	Analysis Batch:	580-98818	Instrument ID:	SEA027
Client Matrix:	Solid	Prep Batch:	580-98695	Lab File ID:	580-98695-98688.prn
Dilution:	1.0	Leach Batch:	580-98533	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1159	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1800				
Leach Date:	10/25/2011 1216				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	0.029 J	4.00	3.35	83		
Barium	0.50	4.00	4.40	97		
Cadmium	0.0040 J	0.100	0.108	104		
Chromium	ND	0.400	0.420	105		
Lead	0.031	1.00	1.07	104		
Selenium	0.026 J	4.00	4.49	112		
Silver	ND	0.600	0.659	110		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-98695**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID:	580-29313-27	Analysis Batch:	580-98818	Instrument ID:	SEA027
Client Matrix:	Solid	Prep Batch:	580-98695	Lab File ID:	580-98695-98688.prn
Dilution:	1.0	Leach Batch:	580-98533	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1148			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1800				
Leach Date:	10/25/2011 1216				

MSD Lab Sample ID:	580-29313-27	Analysis Batch:	580-98818	Instrument ID:	SEA027
Client Matrix:	Solid	Prep Batch:	580-98695	Lab File ID:	580-98695-98688.prn
Dilution:	1.0	Leach Batch:	580-98533	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1154			Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1800				
Leach Date:	10/25/2011 1216				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	110	111	50 - 150	1	20		
Barium	96	98	50 - 150	3	20		
Cadmium	100	105	50 - 150	4	20		
Chromium	101	104	50 - 150	3	20		
Lead	102	103	50 - 150	0	20		
Selenium	109	110	50 - 150	1	20		
Silver	108	110	50 - 150	2	20		

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-98695**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID: 580-29313-27 Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/27/2011 1148
 Prep Date: 10/26/2011 1800
 Leach Date: 10/25/2011 1216

MSD Lab Sample ID: 580-29313-27
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/27/2011 1154
 Prep Date: 10/26/2011 1800
 Leach Date: 10/25/2011 1216

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	0.029	J	4.00	4.00	4.42	4.45
Barium	0.50		4.00	4.00	4.32	4.44
Cadmium	0.0040	J	0.100	0.100	0.104	0.109
Chromium	ND		0.400	0.400	0.406	0.416
Lead	0.031		1.00	1.00	1.06	1.06
Selenium	0.026	J	4.00	4.00	4.39	4.44
Silver	ND		0.600	0.600	0.646	0.661

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Serial Dilution - Batch: 580-98695

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID:	580-29313-27	Analysis Batch:	580-98818	Instrument ID:	SEA027
Client Matrix:	Solid	Prep Batch:	580-98695	Lab File ID:	580-98695-98688.prn
Dilution:	5.0	Leach Batch:	580-98533	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1131	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1800				
Leach Date:	10/25/2011 1216				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	0.029 J	0.0625	NC		J
Barium	0.50	0.511	2.0		
Cadmium	0.0040 J	ND	NC		
Chromium	ND	ND	NC		
Lead	0.031	0.0336	NC		J
Selenium	0.026 J	0.0825	NC		J
Silver	ND	ND	NC		

Duplicate - Batch: 580-98695

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID:	580-29313-27	Analysis Batch:	580-98818	Instrument ID:	SEA027
Client Matrix:	Solid	Prep Batch:	580-98695	Lab File ID:	580-98695-98688.prn
Dilution:	1.0	Leach Batch:	580-98533	Initial Weight/Volume:	50 mL
Analysis Date:	10/27/2011 1142	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/26/2011 1800				
Leach Date:	10/25/2011 1216				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	0.029 J	0.0318	10	20	J
Barium	0.50	0.504	0.5	20	
Cadmium	0.0040 J	0.00401	0.5	20	J
Chromium	ND	ND	NC	20	
Lead	0.031	0.0302	2	20	
Selenium	0.026 J	0.0229	14	20	J
Silver	ND	ND	NC	20	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Method Blank - Batch: 580-98814

Lab Sample ID: MB 580-98675/1-B
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/28/2011 0857
 Prep Date: 10/27/2011 1534
 Leach Date: 10/26/2011 1514

Analysis Batch: 580-98894
 Prep Batch: 580-98814
 Leach Batch: 580-98675
 Units: mg/L

**Method: 6010B
 Preparation: 3010A
 TCLP**

Instrument ID: TAC047
 Lab File ID: 580-98814.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.00670	J	0.0047	0.060
Barium	ND		0.0020	0.010
Cadmium	ND		0.0015	0.010
Chromium	ND		0.0033	0.025
Lead	ND		0.0021	0.030
Selenium	ND		0.0042	0.10
Silver	ND		0.0085	0.020

LCS-Certified Reference Material - Batch: 580-98814

Lab Sample ID: LCSSRM
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/28/2011 0914
 Prep Date: 10/27/2011 1534
 Leach Date: N/A

Analysis Batch: 580-98894
 Prep Batch: 580-98814
 Leach Batch: N/A
 Units: mg/L

**Method: 6010B
 Preparation: 3010A**

Instrument ID: TAC047
 Lab File ID: 580-98814.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	4.00	4.32	108	80 - 120	
Barium	4.00	3.97	99	80 - 120	
Cadmium	0.100	0.0997	100	80 - 120	
Chromium	0.400	0.399	100	80 - 120	
Lead	1.00	0.948	95	80 - 120	
Selenium	4.00	4.33	108	80 - 120	
Silver	0.600	0.572	95	80 - 120	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-98814**

**Method: 6010B
Preparation: 3010A**

LCS Lab Sample ID:	LCS 580-98814/24-A	Analysis Batch:	580-98894	Instrument ID:	TAC047
Client Matrix:	Water	Prep Batch:	580-98814	Lab File ID:	580-98814.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/28/2011 0903	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/27/2011 1534				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 580-98814/25-A	Analysis Batch:	580-98894	Instrument ID:	TAC047
Client Matrix:	Water	Prep Batch:	580-98814	Lab File ID:	580-98814.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/28/2011 0909	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/27/2011 1534				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	110	107	80 - 120	4	20		
Barium	103	96	80 - 120	6	20		
Cadmium	102	99	80 - 120	3	20		
Chromium	102	98	80 - 120	4	20		
Lead	97	94	80 - 120	3	20		
Selenium	111	106	80 - 120	4	20		
Silver	96	92	80 - 120	4	20		

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-98814**

**Method: 6010B
Preparation: 3010A**

LCS Lab Sample ID:	LCS 580-98814/24-A	Units:	mg/L	LCSD Lab Sample ID:	LCSD 580-98814/25-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	10/28/2011 0903			Analysis Date:	10/28/2011 0909
Prep Date:	10/27/2011 1534			Prep Date:	10/27/2011 1534
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	4.00	4.00	4.42	4.26
Barium	4.00	4.00	4.10	3.85
Cadmium	0.100	0.100	0.102	0.0987
Chromium	0.400	0.400	0.407	0.392
Lead	1.00	1.00	0.968	0.940
Selenium	4.00	4.00	4.44	4.25
Silver	0.600	0.600	0.577	0.554

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Post Digestion Spike - Batch: 580-98814

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID:	580-29313-31	Analysis Batch:	580-98894	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-98814	Lab File ID:	580-98814.asc
Dilution:	1.0	Leach Batch:	580-98675	Initial Weight/Volume:	50 mL
Analysis Date:	10/28/2011 0950	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/27/2011 1534				
Leach Date:	10/26/2011 1514				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	0.018 J	4.00	4.50	112		
Barium	0.58	4.00	4.51	98		
Cadmium	0.0035 J	0.100	0.105	102		
Chromium	ND	0.400	0.408	102		
Lead	0.053	1.00	1.01	96		
Selenium	ND	4.00	4.59	115		
Silver	ND	0.600	0.524	87		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-98814**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID:	580-29313-31	Analysis Batch:	580-98894	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-98814	Lab File ID:	580-98814.asc
Dilution:	1.0	Leach Batch:	580-98675	Initial Weight/Volume:	50 mL
Analysis Date:	10/28/2011 0938			Final Weight/Volume:	50 mL
Prep Date:	10/27/2011 1534				
Leach Date:	10/26/2011 1514				

MSD Lab Sample ID:	580-29313-31	Analysis Batch:	580-98894	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-98814	Lab File ID:	580-98814.asc
Dilution:	1.0	Leach Batch:	580-98675	Initial Weight/Volume:	50 mL
Analysis Date:	10/28/2011 0944			Final Weight/Volume:	50 mL
Prep Date:	10/27/2011 1534				
Leach Date:	10/26/2011 1514				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	111	112	50 - 150	1	20		
Barium	99	98	50 - 150	1	20		
Cadmium	100	101	50 - 150	1	20		
Chromium	101	102	50 - 150	1	20		
Lead	94	95	50 - 150	1	20		
Selenium	113	114	50 - 150	1	20		
Silver	98	98	50 - 150	0	20		

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-98814**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID: 580-29313-31 Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/28/2011 0938
 Prep Date: 10/27/2011 1534
 Leach Date: 10/26/2011 1514

MSD Lab Sample ID: 580-29313-31
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/28/2011 0944
 Prep Date: 10/27/2011 1534
 Leach Date: 10/26/2011 1514

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	0.018	J	4.00	4.00	4.47	4.50
Barium	0.58		4.00	4.00	4.53	4.49
Cadmium	0.0035	J	0.100	0.100	0.104	0.105
Chromium	ND		0.400	0.400	0.406	0.409
Lead	0.053		1.00	1.00	0.995	1.01
Selenium	ND		4.00	4.00	4.52	4.55
Silver	ND		0.600	0.600	0.586	0.587

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Serial Dilution - Batch: 580-98814

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID:	580-29313-31	Analysis Batch:	580-98894	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-98814	Lab File ID:	580-98814.asc
Dilution:	5.0	Leach Batch:	580-98675	Initial Weight/Volume:	50 mL
Analysis Date:	10/28/2011 0920	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/27/2011 1534				
Leach Date:	10/26/2011 1514				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	0.018 J	0.0320	NC		J
Barium	0.58	0.576	0.88		
Cadmium	0.0035 J	ND	NC		
Chromium	ND	ND	NC		
Lead	0.053	0.0580	NC		J
Selenium	ND	ND	NC		
Silver	ND	ND	NC		

Duplicate - Batch: 580-98814

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID:	580-29313-31	Analysis Batch:	580-98894	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-98814	Lab File ID:	580-98814.asc
Dilution:	1.0	Leach Batch:	580-98675	Initial Weight/Volume:	50 mL
Analysis Date:	10/28/2011 0932	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	10/27/2011 1534				
Leach Date:	10/26/2011 1514				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	0.018 J	0.0180	2	20	J
Barium	0.58	0.539	7	20	
Cadmium	0.0035 J	0.00310	12	20	J
Chromium	ND	ND	NC	20	
Lead	0.053	0.0501	6	20	
Selenium	ND	ND	NC	20	
Silver	ND	ND	NC	20	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Method Blank - Batch: 580-98567

**Method: 7470A
Preparation: 7470A**

Lab Sample ID: MB 580-98567/22-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/26/2011 1049
Prep Date: 10/25/2011 1611
Leach Date: N/A

Analysis Batch: 580-98670
Prep Batch: 580-98567
Leach Batch: N/A
Units: mg/L

Instrument ID: TAC103
Lab File ID: 102611-HG.CSV
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00041	0.0020

LCS-Certified Reference Material - Batch: 580-98567

**Method: 7470A
Preparation: 7470A**

Lab Sample ID: LCSSRM
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/26/2011 1055
Prep Date: 10/25/2011 1611
Leach Date: N/A

Analysis Batch: 580-98670
Prep Batch: 580-98567
Leach Batch: N/A
Units: mg/L

Instrument ID: TAC103
Lab File ID: 102611-HG.CSV
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.0200	0.0208	104	75 - 125	

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-98567**

**Method: 7470A
Preparation: 7470A**

LCS Lab Sample ID: LCS 580-98567/23-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/26/2011 1051
Prep Date: 10/25/2011 1611
Leach Date: N/A

Analysis Batch: 580-98670
Prep Batch: 580-98567
Leach Batch: N/A
Units: mg/L

Instrument ID: TAC103
Lab File ID: 102611-HG.CSV
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 580-98567/24-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/26/2011 1053
Prep Date: 10/25/2011 1611
Leach Date: N/A

Analysis Batch: 580-98670
Prep Batch: 580-98567
Leach Batch: N/A
Units: mg/L

Instrument ID: TAC103
Lab File ID: 102611-HG.CSV
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Mercury	105	104	80 - 120	2	20		

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-98567**

**Method: 7470A
Preparation: 7470A**

LCS Lab Sample ID: LCS 580-98567/23-A Units: mg/L
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/26/2011 1051
 Prep Date: 10/25/2011 1611
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 580-98567/24-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/26/2011 1053
 Prep Date: 10/25/2011 1611
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	0.0200	0.0200	0.0211	0.0207

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-98567**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-29313-1
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/26/2011 1100
 Prep Date: 10/25/2011 1611
 Leach Date: 10/19/2011 1315

Analysis Batch: 580-98670
 Prep Batch: 580-98567
 Leach Batch: 580-98076

Instrument ID: TAC103
 Lab File ID: 102611-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 580-29313-1
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/26/2011 1102
 Prep Date: 10/25/2011 1611
 Leach Date: 10/19/2011 1315

Analysis Batch: 580-98670
 Prep Batch: 580-98567
 Leach Batch: 580-98076

Instrument ID: TAC103
 Lab File ID: 102611-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	101	103	80 - 120	2	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-98567**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-29313-1 Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/26/2011 1100
 Prep Date: 10/25/2011 1611
 Leach Date: 10/19/2011 1315

MSD Lab Sample ID: 580-29313-1
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/26/2011 1102
 Prep Date: 10/25/2011 1611
 Leach Date: 10/19/2011 1315

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	ND	0.0200	0.0200	0.0201	0.0206

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Duplicate - Batch: 580-98567

**Method: 7470A
Preparation: 7470A
TCLP**

Lab Sample ID: 580-29313-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/26/2011 1059
Prep Date: 10/25/2011 1611
Leach Date: 10/19/2011 1315

Analysis Batch: 580-98670
Prep Batch: 580-98567
Leach Batch: 580-98076
Units: mg/L

Instrument ID: TAC103
Lab File ID: 102611-HG.CSV
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	ND	ND	NC	20	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Method Blank - Batch: 580-98582

Lab Sample ID: MB 580-98582/8-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/26/2011 1019
 Prep Date: 10/25/2011 1704
 Leach Date: N/A

Analysis Batch: 580-98670
 Prep Batch: 580-98582
 Leach Batch: N/A
 Units: mg/L

**Method: 7470A
 Preparation: 7470A**

Instrument ID: TAC103
 Lab File ID: 102611-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00041	0.0020

LCS-Certified Reference Material - Batch: 580-98582

Lab Sample ID: LCSSRM
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/26/2011 1025
 Prep Date: 10/25/2011 1704
 Leach Date: N/A

Analysis Batch: 580-98670
 Prep Batch: 580-98582
 Leach Batch: N/A
 Units: mg/L

**Method: 7470A
 Preparation: 7470A**

Instrument ID: TAC103
 Lab File ID: 102611-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.0200	0.0199	99	75 - 125	

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 580-98582**

LCS Lab Sample ID: LCS 580-98582/9-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/26/2011 1021
 Prep Date: 10/25/2011 1704
 Leach Date: N/A

Analysis Batch: 580-98670
 Prep Batch: 580-98582
 Leach Batch: N/A
 Units: mg/L

**Method: 7470A
 Preparation: 7470A**

Instrument ID: TAC103
 Lab File ID: 102611-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 580-98582/10-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/26/2011 1023
 Prep Date: 10/25/2011 1704
 Leach Date: N/A

Analysis Batch: 580-98670
 Prep Batch: 580-98582
 Leach Batch: N/A
 Units: mg/L

Instrument ID: TAC103
 Lab File ID: 102611-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Mercury	101	100	80 - 120	1	20		

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-98582**

**Method: 7470A
Preparation: 7470A**

LCS Lab Sample ID: LCS 580-98582/9-A Units: mg/L
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/26/2011 1021
 Prep Date: 10/25/2011 1704
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 580-98582/10-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/26/2011 1023
 Prep Date: 10/25/2011 1704
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	0.0200	0.0200	0.0202	0.0200

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-98582**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-29313-19
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/26/2011 1035
 Prep Date: 10/25/2011 1704
 Leach Date: 10/19/2011 1344

Analysis Batch: 580-98670
 Prep Batch: 580-98582
 Leach Batch: 580-98088

Instrument ID: TAC103
 Lab File ID: 102611-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 580-29313-19
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/26/2011 1037
 Prep Date: 10/25/2011 1704
 Leach Date: 10/19/2011 1344

Analysis Batch: 580-98670
 Prep Batch: 580-98582
 Leach Batch: 580-98088

Instrument ID: TAC103
 Lab File ID: 102611-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	105	103	80 - 120	2	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-98582**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-29313-19 Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/26/2011 1035
 Prep Date: 10/25/2011 1704
 Leach Date: 10/19/2011 1344

MSD Lab Sample ID: 580-29313-19
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/26/2011 1037
 Prep Date: 10/25/2011 1704
 Leach Date: 10/19/2011 1344

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	ND	0.0200	0.0200	0.0209	0.0205

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Duplicate - Batch: 580-98582

**Method: 7470A
Preparation: 7470A
TCLP**

Lab Sample ID: 580-29313-19
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/26/2011 1033
Prep Date: 10/25/2011 1704
Leach Date: 10/19/2011 1344

Analysis Batch: 580-98670
Prep Batch: 580-98582
Leach Batch: 580-98088
Units: mg/L

Instrument ID: TAC103
Lab File ID: 102611-HG.CSV
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	ND	ND	NC	20	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Method Blank - Batch: 580-98690

Lab Sample ID: MB 580-98690/18-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/27/2011 1055
 Prep Date: 10/26/2011 1706
 Leach Date: N/A

Analysis Batch: 580-98817
 Prep Batch: 580-98690
 Leach Batch: N/A
 Units: mg/L

**Method: 7470A
 Preparation: 7470A**

Instrument ID: TAC103
 Lab File ID: 98690-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.000640	J	0.00041	0.0020

LCS-Certified Reference Material - Batch: 580-98690

Lab Sample ID: LCSSRM
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/27/2011 1101
 Prep Date: 10/26/2011 1706
 Leach Date: N/A

Analysis Batch: 580-98817
 Prep Batch: 580-98690
 Leach Batch: N/A
 Units: mg/L

**Method: 7470A
 Preparation: 7470A**

Instrument ID: TAC103
 Lab File ID: 98690-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.0200	0.0196	98	75 - 125	

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 580-98690**

LCS Lab Sample ID: LCS 580-98690/19-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/27/2011 1057
 Prep Date: 10/26/2011 1706
 Leach Date: N/A

Analysis Batch: 580-98817
 Prep Batch: 580-98690
 Leach Batch: N/A
 Units: mg/L

**Method: 7470A
 Preparation: 7470A**

Instrument ID: TAC103
 Lab File ID: 98690-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 580-98690/20-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/27/2011 1059
 Prep Date: 10/26/2011 1706
 Leach Date: N/A

Analysis Batch: 580-98817
 Prep Batch: 580-98690
 Leach Batch: N/A
 Units: mg/L

Instrument ID: TAC103
 Lab File ID: 98690-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Mercury	99	97	80 - 120	2	20		

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-98690**

**Method: 7470A
Preparation: 7470A**

LCS Lab Sample ID: LCS 580-98690/19-A Units: mg/L
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/27/2011 1057
 Prep Date: 10/26/2011 1706
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 580-98690/20-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/27/2011 1059
 Prep Date: 10/26/2011 1706
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	0.0200	0.0200	0.0199	0.0195

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-98690**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-29313-23
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/27/2011 1110
 Prep Date: 10/26/2011 1706
 Leach Date: 10/25/2011 1209

Analysis Batch: 580-98817
 Prep Batch: 580-98690
 Leach Batch: 580-98531

Instrument ID: TAC103
 Lab File ID: 98690-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 580-29313-23
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/27/2011 1112
 Prep Date: 10/26/2011 1706
 Leach Date: 10/25/2011 1209

Analysis Batch: 580-98817
 Prep Batch: 580-98690
 Leach Batch: 580-98531

Instrument ID: TAC103
 Lab File ID: 98690-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	95	95	80 - 120	0	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-98690**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-29313-23 Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/27/2011 1110
 Prep Date: 10/26/2011 1706
 Leach Date: 10/25/2011 1209

MSD Lab Sample ID: 580-29313-23
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/27/2011 1112
 Prep Date: 10/26/2011 1706
 Leach Date: 10/25/2011 1209

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	0.00047 J	0.0200	0.0200	0.0195	0.0196

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Duplicate - Batch: 580-98690

**Method: 7470A
Preparation: 7470A
TCLP**

Lab Sample ID: 580-29313-23
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/27/2011 1108
Prep Date: 10/26/2011 1706
Leach Date: 10/25/2011 1209

Analysis Batch: 580-98817
Prep Batch: 580-98690
Leach Batch: 580-98531
Units: mg/L

Instrument ID: TAC103
Lab File ID: 98690-HG.CSV
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.00047 J	0.000530	12	20	J

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Method Blank - Batch: 580-98696

Lab Sample ID: MB 580-98696/10-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/27/2011 1148
 Prep Date: 10/26/2011 1805
 Leach Date: N/A

Analysis Batch: 580-98817
 Prep Batch: 580-98696
 Leach Batch: N/A
 Units: mg/L

**Method: 7470A
 Preparation: 7470A**

Instrument ID: TAC103
 Lab File ID: 98690-HG.CSV
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.0000480	J	0.000041	0.00020

LCS-Certified Reference Material - Batch: 580-98696

Lab Sample ID: LCSSRM
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/27/2011 1154
 Prep Date: 10/26/2011 1805
 Leach Date: N/A

Analysis Batch: 580-98817
 Prep Batch: 580-98696
 Leach Batch: N/A
 Units: mg/L

**Method: 7470A
 Preparation: 7470A**

Instrument ID: TAC103
 Lab File ID: 98690-HG.CSV
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00200	0.00183	91	75 - 125	

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 580-98696**

LCS Lab Sample ID: LCS 580-98696/11-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/27/2011 1150
 Prep Date: 10/26/2011 1805
 Leach Date: N/A

Analysis Batch: 580-98817
 Prep Batch: 580-98696
 Leach Batch: N/A
 Units: mg/L

**Method: 7470A
 Preparation: 7470A**

Instrument ID: TAC103
 Lab File ID: 98690-HG.CSV
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 580-98696/12-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/27/2011 1152
 Prep Date: 10/26/2011 1805
 Leach Date: N/A

Analysis Batch: 580-98817
 Prep Batch: 580-98696
 Leach Batch: N/A
 Units: mg/L

Instrument ID: TAC103
 Lab File ID: 98690-HG.CSV
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Mercury	95	93	80 - 120	2	20		

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-98696**

**Method: 7470A
Preparation: 7470A**

LCS Lab Sample ID: LCS 580-98696/11-A Units: mg/L
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/27/2011 1150
 Prep Date: 10/26/2011 1805
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 580-98696/12-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/27/2011 1152
 Prep Date: 10/26/2011 1805
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	0.00200	0.00200	0.00189	0.00185

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-98696**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-29313-27
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/27/2011 1204
 Prep Date: 10/26/2011 1805
 Leach Date: 10/25/2011 1216

Analysis Batch: 580-98817
 Prep Batch: 580-98696
 Leach Batch: 580-98533

Instrument ID: TAC103
 Lab File ID: 98690-HG.CSV
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 580-29313-27
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/27/2011 1206
 Prep Date: 10/26/2011 1805
 Leach Date: 10/25/2011 1216

Analysis Batch: 580-98817
 Prep Batch: 580-98696
 Leach Batch: 580-98533

Instrument ID: TAC103
 Lab File ID: 98690-HG.CSV
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	92	87	80 - 120	5	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-98696**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-29313-27 Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/27/2011 1204
 Prep Date: 10/26/2011 1805
 Leach Date: 10/25/2011 1216

MSD Lab Sample ID: 580-29313-27
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/27/2011 1206
 Prep Date: 10/26/2011 1805
 Leach Date: 10/25/2011 1216

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	0.000054 J	0.00200	0.00200	0.00189	0.00180

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Duplicate - Batch: 580-98696

**Method: 7470A
Preparation: 7470A
TCLP**

Lab Sample ID: 580-29313-27
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/27/2011 1202
Prep Date: 10/26/2011 1805
Leach Date: 10/25/2011 1216

Analysis Batch: 580-98817
Prep Batch: 580-98696
Leach Batch: 580-98533
Units: mg/L

Instrument ID: TAC103
Lab File ID: 98690-HG.CSV
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.000054 J	0.0000510	6	20	J

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Method Blank - Batch: 580-98816

**Method: 7470A
Preparation: 7470A**

Lab Sample ID: MB 580-98816/16-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/31/2011 1419
Prep Date: 10/27/2011 1607
Leach Date: N/A

Analysis Batch: 580-99025
Prep Batch: 580-98816
Leach Batch: N/A
Units: mg/L

Instrument ID: TAC103
Lab File ID: 98910-HG.CSV
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00041	0.0020

LCS-Certified Reference Material - Batch: 580-98816

**Method: 7470A
Preparation: 7470A**

Lab Sample ID: LCSSRM
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/31/2011 1425
Prep Date: 10/27/2011 1607
Leach Date: N/A

Analysis Batch: 580-99025
Prep Batch: 580-98816
Leach Batch: N/A
Units: mg/L

Instrument ID: TAC103
Lab File ID: 98910-HG.CSV
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.0200	0.0222	111	75 - 125	

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-98816**

**Method: 7470A
Preparation: 7470A**

LCS Lab Sample ID: LCS 580-98816/17-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/31/2011 1421
Prep Date: 10/27/2011 1607
Leach Date: N/A

Analysis Batch: 580-99025
Prep Batch: 580-98816
Leach Batch: N/A
Units: mg/L

Instrument ID: TAC103
Lab File ID: 98910-HG.CSV
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 580-98816/18-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/31/2011 1423
Prep Date: 10/27/2011 1607
Leach Date: N/A

Analysis Batch: 580-99025
Prep Batch: 580-98816
Leach Batch: N/A
Units: mg/L

Instrument ID: TAC103
Lab File ID: 98910-HG.CSV
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Mercury	111	110	80 - 120	1	20		

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-98816**

**Method: 7470A
Preparation: 7470A**

LCS Lab Sample ID: LCS 580-98816/17-A Units: mg/L
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/31/2011 1421
 Prep Date: 10/27/2011 1607
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 580-98816/18-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/31/2011 1423
 Prep Date: 10/27/2011 1607
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	0.0200	0.0200	0.0223	0.0220

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-98816**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-29313-31
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/31/2011 1431
 Prep Date: 10/27/2011 1607
 Leach Date: 10/26/2011 1514

Analysis Batch: 580-99025
 Prep Batch: 580-98816
 Leach Batch: 580-98675

Instrument ID: TAC103
 Lab File ID: 98910-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 580-29313-31
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/31/2011 1433
 Prep Date: 10/27/2011 1607
 Leach Date: 10/26/2011 1514

Analysis Batch: 580-99025
 Prep Batch: 580-98816
 Leach Batch: 580-98675

Instrument ID: TAC103
 Lab File ID: 98910-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	111	107	80 - 120	4	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-98816**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-29313-31 Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/31/2011 1431
 Prep Date: 10/27/2011 1607
 Leach Date: 10/26/2011 1514

MSD Lab Sample ID: 580-29313-31
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 10/31/2011 1433
 Prep Date: 10/27/2011 1607
 Leach Date: 10/26/2011 1514

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	ND	0.0200	0.0200	0.0221	0.0213

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Duplicate - Batch: 580-98816

**Method: 7470A
Preparation: 7470A
TCLP**

Lab Sample ID: 580-29313-31
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/31/2011 1429
Prep Date: 10/27/2011 1607
Leach Date: 10/26/2011 1514

Analysis Batch: 580-99025
Prep Batch: 580-98816
Leach Batch: 580-98675
Units: mg/L

Instrument ID: TAC103
Lab File ID: 98910-HG.CSV
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	ND	ND	NC	20	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Duplicate - Batch: 580-98443

Method: 160.3
Preparation: N/A

Lab Sample ID:	580-29313-7	Analysis Batch:	580-98443	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	10/24/2011 1430	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	79	79	0.5	20	
Percent Moisture	21	21	2	20	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Duplicate - Batch: 580-98446

Method: 160.3
Preparation: N/A

Lab Sample ID:	580-29313-27	Analysis Batch:	580-98446	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	10/24/2011 1500	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	82	79	3	20	
Percent Moisture	18	21	13	20	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Duplicate - Batch: 580-98125

**Method: 9045C
Preparation: N/A**

Lab Sample ID:	580-29313-1	Analysis Batch:	580-98125	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	10/19/2011 1732	Units:	SU	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	6.12	6.090	0.5		

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Duplicate - Batch: 580-98127

**Method: 9045C
Preparation: N/A**

Lab Sample ID:	580-29313-19	Analysis Batch:	580-98127	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	10/19/2011 1737	Units:	SU	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	6.44	6.420	0.3		

DATA REPORTING QUALIFIERS

Client: Science Applications International Corp

Job Number: 580-29313-1

Lab Section	Qualifier	Description
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 580-98076					
MB 580-98076/1-B	Method Blank	P	Solid	1311	
580-29313-1	TCLP-103	P	Solid	1311	
580-29313-1DU	Duplicate	P	Solid	1311	
580-29313-1MS	Matrix Spike	P	Solid	1311	
580-29313-1MSD	Matrix Spike Duplicate	P	Solid	1311	
580-29313-3	TCLP-106	P	Solid	1311	
580-29313-4	TCLP-115	P	Solid	1311	
580-29313-5	TCLP-116	P	Solid	1311	
580-29313-6	TCLP-117	P	Solid	1311	
580-29313-7	TCLP-118	P	Solid	1311	
580-29313-8	TCLP-119	P	Solid	1311	
580-29313-9	TCLP-120	P	Solid	1311	
580-29313-10	TCLP-121	P	Solid	1311	
580-29313-11	TCLP-122	P	Solid	1311	
580-29313-12	TCLP-127	P	Solid	1311	
580-29313-13	TCLP-128	P	Solid	1311	
580-29313-14	TCLP-129-A	P	Solid	1311	
580-29313-15	TCLP-129-B	P	Solid	1311	
580-29313-16	TCLP-131	P	Solid	1311	
580-29313-17	TCLP-132	P	Solid	1311	
580-29313-18	TCLP-138	P	Solid	1311	
Prep Batch: 580-98088					
MB 580-98088/1-B	Method Blank	P	Solid	1311	
580-29313-19	TCLP-139	P	Solid	1311	
580-29313-19DU	Duplicate	P	Solid	1311	
580-29313-19MS	Matrix Spike	P	Solid	1311	
580-29313-19MSD	Matrix Spike Duplicate	P	Solid	1311	
580-29313-20	TCLP-141	P	Solid	1311	
580-29313-21	TCLP-143	P	Solid	1311	
580-29313-22	TCLP-146	P	Solid	1311	
Prep Batch: 580-98531					
MB 580-98531/1-B	Method Blank	P	Solid	1311	
580-29313-2	TCLP-105	P	Solid	1311	
580-29313-23	TCLP-147	P	Solid	1311	
580-29313-23DU	Duplicate	P	Solid	1311	
580-29313-23MS	Matrix Spike	P	Solid	1311	
580-29313-23MSD	Matrix Spike Duplicate	P	Solid	1311	
580-29313-24	TCLP-148	P	Solid	1311	
580-29313-25	TCLP-149	P	Solid	1311	
580-29313-26	TCLP-150	P	Solid	1311	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 580-98533					
MB 580-98533/1-B	Method Blank	P	Solid	1311	
580-29313-27	TCLP-151	P	Solid	1311	
580-29313-27DU	Duplicate	P	Solid	1311	
580-29313-27MS	Matrix Spike	P	Solid	1311	
580-29313-27MSD	Matrix Spike Duplicate	P	Solid	1311	
580-29313-28	TCLP-154	P	Solid	1311	
580-29313-29	TCLP-155	P	Solid	1311	
580-29313-30	TCLP-156	P	Solid	1311	
Prep Batch: 580-98565					
LCS 580-98565/23-A	Lab Control Sample	T	Water	3010A	
LCSD 580-98565/24-A	Lab Control Sample Duplicate	T	Water	3010A	
LCSSRM 580-98565/25-A	LCS-Certified Reference Material	T	Water	3010A	
MB 580-98076/1-B	Method Blank	P	Solid	3010A	580-98076
580-29313-1	TCLP-103	P	Solid	3010A	580-98076
580-29313-1DU	Duplicate	P	Solid	3010A	580-98076
580-29313-1MS	Matrix Spike	P	Solid	3010A	580-98076
580-29313-1MSD	Matrix Spike Duplicate	P	Solid	3010A	580-98076
580-29313-3	TCLP-106	P	Solid	3010A	580-98076
580-29313-4	TCLP-115	P	Solid	3010A	580-98076
580-29313-5	TCLP-116	P	Solid	3010A	580-98076
580-29313-6	TCLP-117	P	Solid	3010A	580-98076
580-29313-7	TCLP-118	P	Solid	3010A	580-98076
580-29313-8	TCLP-119	P	Solid	3010A	580-98076
580-29313-9	TCLP-120	P	Solid	3010A	580-98076
580-29313-10	TCLP-121	P	Solid	3010A	580-98076
580-29313-11	TCLP-122	P	Solid	3010A	580-98076
580-29313-12	TCLP-127	P	Solid	3010A	580-98076
580-29313-13	TCLP-128	P	Solid	3010A	580-98076
580-29313-14	TCLP-129-A	P	Solid	3010A	580-98076
580-29313-15	TCLP-129-B	P	Solid	3010A	580-98076
580-29313-16	TCLP-131	P	Solid	3010A	580-98076
580-29313-17	TCLP-132	P	Solid	3010A	580-98076
580-29313-18	TCLP-138	P	Solid	3010A	580-98076

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 580-98567					
LCS 580-98567/23-A	Lab Control Sample	T	Water	7470A	
LCSD 580-98567/24-A	Lab Control Sample Duplicate	T	Water	7470A	
LCSSRM 580-98567/25-A	LCS-Certified Reference Material	T	Water	7470A	
MB 580-98567/22-A	Method Blank	T	Water	7470A	
580-29313-1	TCLP-103	P	Solid	7470A	580-98076
580-29313-1DU	Duplicate	P	Solid	7470A	580-98076
580-29313-1MS	Matrix Spike	P	Solid	7470A	580-98076
580-29313-1MSD	Matrix Spike Duplicate	P	Solid	7470A	580-98076
580-29313-3	TCLP-106	P	Solid	7470A	580-98076
580-29313-4	TCLP-115	P	Solid	7470A	580-98076
580-29313-5	TCLP-116	P	Solid	7470A	580-98076
580-29313-6	TCLP-117	P	Solid	7470A	580-98076
580-29313-7	TCLP-118	P	Solid	7470A	580-98076
580-29313-8	TCLP-119	P	Solid	7470A	580-98076
580-29313-9	TCLP-120	P	Solid	7470A	580-98076
580-29313-10	TCLP-121	P	Solid	7470A	580-98076
580-29313-11	TCLP-122	P	Solid	7470A	580-98076
580-29313-12	TCLP-127	P	Solid	7470A	580-98076
580-29313-13	TCLP-128	P	Solid	7470A	580-98076
580-29313-14	TCLP-129-A	P	Solid	7470A	580-98076
580-29313-15	TCLP-129-B	P	Solid	7470A	580-98076
580-29313-16	TCLP-131	P	Solid	7470A	580-98076
580-29313-17	TCLP-132	P	Solid	7470A	580-98076
580-29313-18	TCLP-138	P	Solid	7470A	580-98076
Prep Batch: 580-98580					
LCS 580-98580/9-A	Lab Control Sample	T	Water	3010A	
LCSD 580-98580/10-A	Lab Control Sample Duplicate	T	Water	3010A	
LCSSRM 580-98580/11-A	LCS-Certified Reference Material	T	Water	3010A	
MB 580-98088/1-B	Method Blank	P	Solid	3010A	580-98088
580-29313-19	TCLP-139	P	Solid	3010A	580-98088
580-29313-19DU	Duplicate	P	Solid	3010A	580-98088
580-29313-19MS	Matrix Spike	P	Solid	3010A	580-98088
580-29313-19MSD	Matrix Spike Duplicate	P	Solid	3010A	580-98088
580-29313-20	TCLP-141	P	Solid	3010A	580-98088
580-29313-21	TCLP-143	P	Solid	3010A	580-98088
580-29313-22	TCLP-146	P	Solid	3010A	580-98088

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 580-98582					
LCS 580-98582/9-A	Lab Control Sample	T	Water	7470A	
LCSD 580-98582/10-A	Lab Control Sample Duplicate	T	Water	7470A	
LCSSRM 580-98582/11-A	LCS-Certified Reference Material	T	Water	7470A	
MB 580-98582/8-A	Method Blank	T	Water	7470A	
580-29313-19	TCLP-139	P	Solid	7470A	580-98088
580-29313-19DU	Duplicate	P	Solid	7470A	580-98088
580-29313-19MS	Matrix Spike	P	Solid	7470A	580-98088
580-29313-19MSD	Matrix Spike Duplicate	P	Solid	7470A	580-98088
580-29313-20	TCLP-141	P	Solid	7470A	580-98088
580-29313-21	TCLP-143	P	Solid	7470A	580-98088
580-29313-22	TCLP-146	P	Solid	7470A	580-98088

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Analysis Batch:580-98670					
LCS 580-98567/23-A	Lab Control Sample	T	Water	7470A	580-98567
LCSD 580-98567/24-A	Lab Control Sample Duplicate	T	Water	7470A	580-98567
LCSSRM 580-98567/25-A	LCS-Certified Reference Material	T	Water	7470A	580-98567
MB 580-98567/22-A	Method Blank	T	Water	7470A	580-98567
LCS 580-98582/9-A	Lab Control Sample	T	Water	7470A	580-98582
LCSD 580-98582/10-A	Lab Control Sample Duplicate	T	Water	7470A	580-98582
LCSSRM 580-98582/11-A	LCS-Certified Reference Material	T	Water	7470A	580-98582
MB 580-98582/8-A	Method Blank	T	Water	7470A	580-98582
580-29313-1	TCLP-103	P	Solid	7470A	580-98567
580-29313-1DU	Duplicate	P	Solid	7470A	580-98567
580-29313-1MS	Matrix Spike	P	Solid	7470A	580-98567
580-29313-1MSD	Matrix Spike Duplicate	P	Solid	7470A	580-98567
580-29313-3	TCLP-106	P	Solid	7470A	580-98567
580-29313-4	TCLP-115	P	Solid	7470A	580-98567
580-29313-5	TCLP-116	P	Solid	7470A	580-98567
580-29313-6	TCLP-117	P	Solid	7470A	580-98567
580-29313-7	TCLP-118	P	Solid	7470A	580-98567
580-29313-8	TCLP-119	P	Solid	7470A	580-98567
580-29313-9	TCLP-120	P	Solid	7470A	580-98567
580-29313-10	TCLP-121	P	Solid	7470A	580-98567
580-29313-11	TCLP-122	P	Solid	7470A	580-98567
580-29313-12	TCLP-127	P	Solid	7470A	580-98567
580-29313-13	TCLP-128	P	Solid	7470A	580-98567
580-29313-14	TCLP-129-A	P	Solid	7470A	580-98567
580-29313-15	TCLP-129-B	P	Solid	7470A	580-98567
580-29313-16	TCLP-131	P	Solid	7470A	580-98567
580-29313-17	TCLP-132	P	Solid	7470A	580-98567
580-29313-18	TCLP-138	P	Solid	7470A	580-98567
580-29313-19	TCLP-139	P	Solid	7470A	580-98582
580-29313-19DU	Duplicate	P	Solid	7470A	580-98582
580-29313-19MS	Matrix Spike	P	Solid	7470A	580-98582
580-29313-19MSD	Matrix Spike Duplicate	P	Solid	7470A	580-98582
580-29313-20	TCLP-141	P	Solid	7470A	580-98582
580-29313-21	TCLP-143	P	Solid	7470A	580-98582
580-29313-22	TCLP-146	P	Solid	7470A	580-98582
Prep Batch: 580-98675					
MB 580-98675/1-B	Method Blank	P	Solid	1311	
580-29313-31	TCLP-158	P	Solid	1311	
580-29313-31DU	Duplicate	P	Solid	1311	
580-29313-31MS	Matrix Spike	P	Solid	1311	
580-29313-31MSD	Matrix Spike Duplicate	P	Solid	1311	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 580-98688					
LCS 580-98688/24-A	Lab Control Sample	T	Water	3010A	
LCSD 580-98688/25-A	Lab Control Sample Duplicate	T	Water	3010A	
LCSSRM 580-98688/26-A	LCS-Certified Reference Material	T	Water	3010A	
MB 580-98531/1-B	Method Blank	P	Solid	3010A	580-98531
580-29313-2	TCLP-105	P	Solid	3010A	580-98531
580-29313-23	TCLP-147	P	Solid	3010A	580-98531
580-29313-23DU	Duplicate	P	Solid	3010A	580-98531
580-29313-23MS	Matrix Spike	P	Solid	3010A	580-98531
580-29313-23MSD	Matrix Spike Duplicate	P	Solid	3010A	580-98531
580-29313-24	TCLP-148	P	Solid	3010A	580-98531
580-29313-25	TCLP-149	P	Solid	3010A	580-98531
580-29313-26	TCLP-150	P	Solid	3010A	580-98531
Prep Batch: 580-98690					
LCS 580-98690/19-A	Lab Control Sample	T	Water	7470A	
LCSD 580-98690/20-A	Lab Control Sample Duplicate	T	Water	7470A	
LCSSRM 580-98690/21-A	LCS-Certified Reference Material	T	Water	7470A	
MB 580-98690/18-A	Method Blank	T	Water	7470A	
580-29313-2	TCLP-105	P	Solid	7470A	580-98531
580-29313-23	TCLP-147	P	Solid	7470A	580-98531
580-29313-23DU	Duplicate	P	Solid	7470A	580-98531
580-29313-23MS	Matrix Spike	P	Solid	7470A	580-98531
580-29313-23MSD	Matrix Spike Duplicate	P	Solid	7470A	580-98531
580-29313-24	TCLP-148	P	Solid	7470A	580-98531
580-29313-25	TCLP-149	P	Solid	7470A	580-98531
580-29313-26	TCLP-150	P	Solid	7470A	580-98531
Prep Batch: 580-98695					
LCS 580-98695/11-A	Lab Control Sample	T	Water	3010A	
LCSD 580-98695/12-A	Lab Control Sample Duplicate	T	Water	3010A	
LCSSRM 580-98695/13-A	LCS-Certified Reference Material	T	Water	3010A	
MB 580-98533/1-B	Method Blank	P	Solid	3010A	580-98533
580-29313-27	TCLP-151	P	Solid	3010A	580-98533
580-29313-27DU	Duplicate	P	Solid	3010A	580-98533
580-29313-27MS	Matrix Spike	P	Solid	3010A	580-98533
580-29313-27MSD	Matrix Spike Duplicate	P	Solid	3010A	580-98533
580-29313-28	TCLP-154	P	Solid	3010A	580-98533
580-29313-29	TCLP-155	P	Solid	3010A	580-98533
580-29313-30	TCLP-156	P	Solid	3010A	580-98533

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 580-98696					
LCS 580-98696/11-A	Lab Control Sample	T	Water	7470A	
LCSD 580-98696/12-A	Lab Control Sample Duplicate	T	Water	7470A	
LCSSRM 580-98696/13-A	LCS-Certified Reference Material	T	Water	7470A	
MB 580-98696/10-A	Method Blank	T	Water	7470A	
580-29313-27	TCLP-151	P	Solid	7470A	580-98533
580-29313-27DU	Duplicate	P	Solid	7470A	580-98533
580-29313-27MS	Matrix Spike	P	Solid	7470A	580-98533
580-29313-27MSD	Matrix Spike Duplicate	P	Solid	7470A	580-98533
580-29313-28	TCLP-154	P	Solid	7470A	580-98533
580-29313-29	TCLP-155	P	Solid	7470A	580-98533
580-29313-30	TCLP-156	P	Solid	7470A	580-98533

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Analysis Batch:580-98714					
MB 580-98076/1-B	Method Blank	P	Solid	6010B	580-98565
LCS 580-98565/23-A	Lab Control Sample	T	Water	6010B	580-98565
LCSD 580-98565/24-A	Lab Control Sample Duplicate	T	Water	6010B	580-98565
LCSSRM 580-98565/25-A	LCS-Certified Reference Material	T	Water	6010B	580-98565
MB 580-98088/1-B	Method Blank	P	Solid	6010B	580-98580
LCS 580-98580/9-A	Lab Control Sample	T	Water	6010B	580-98580
LCSD 580-98580/10-A	Lab Control Sample Duplicate	T	Water	6010B	580-98580
LCSSRM 580-98580/11-A	LCS-Certified Reference Material	T	Water	6010B	580-98580
580-29313-1	TCLP-103	P	Solid	6010B	580-98565
580-29313-1DU	Duplicate	P	Solid	6010B	580-98565
580-29313-1MS	Matrix Spike	P	Solid	6010B	580-98565
580-29313-1MSD	Matrix Spike Duplicate	P	Solid	6010B	580-98565
580-29313-3	TCLP-106	P	Solid	6010B	580-98565
580-29313-4	TCLP-115	P	Solid	6010B	580-98565
580-29313-5	TCLP-116	P	Solid	6010B	580-98565
580-29313-6	TCLP-117	P	Solid	6010B	580-98565
580-29313-7	TCLP-118	P	Solid	6010B	580-98565
580-29313-8	TCLP-119	P	Solid	6010B	580-98565
580-29313-9	TCLP-120	P	Solid	6010B	580-98565
580-29313-10	TCLP-121	P	Solid	6010B	580-98565
580-29313-11	TCLP-122	P	Solid	6010B	580-98565
580-29313-12	TCLP-127	P	Solid	6010B	580-98565
580-29313-13	TCLP-128	P	Solid	6010B	580-98565
580-29313-14	TCLP-129-A	P	Solid	6010B	580-98565
580-29313-15	TCLP-129-B	P	Solid	6010B	580-98565
580-29313-16	TCLP-131	P	Solid	6010B	580-98565
580-29313-17	TCLP-132	P	Solid	6010B	580-98565
580-29313-18	TCLP-138	P	Solid	6010B	580-98565
580-29313-19	TCLP-139	P	Solid	6010B	580-98580
580-29313-19DU	Duplicate	P	Solid	6010B	580-98580
580-29313-19MS	Matrix Spike	P	Solid	6010B	580-98580
580-29313-19MSD	Matrix Spike Duplicate	P	Solid	6010B	580-98580
580-29313-20	TCLP-141	P	Solid	6010B	580-98580
580-29313-21	TCLP-143	P	Solid	6010B	580-98580
580-29313-22	TCLP-146	P	Solid	6010B	580-98580
Prep Batch: 580-98814					
LCS 580-98814/24-A	Lab Control Sample	T	Water	3010A	
LCSD 580-98814/25-A	Lab Control Sample Duplicate	T	Water	3010A	
LCSSRM 580-98814/26-A	LCS-Certified Reference Material	T	Water	3010A	
MB 580-98675/1-B	Method Blank	P	Solid	3010A	580-98675
580-29313-31	TCLP-158	P	Solid	3010A	580-98675
580-29313-31DU	Duplicate	P	Solid	3010A	580-98675
580-29313-31MS	Matrix Spike	P	Solid	3010A	580-98675
580-29313-31MSD	Matrix Spike Duplicate	P	Solid	3010A	580-98675

TestAmerica Seattle

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 580-98816					
LCS 580-98816/17-A	Lab Control Sample	T	Water	7470A	
LCSD 580-98816/18-A	Lab Control Sample Duplicate	T	Water	7470A	
LCSSRM 580-98816/19-A	LCS-Certified Reference Material	T	Water	7470A	
MB 580-98816/16-A	Method Blank	T	Water	7470A	
580-29313-31	TCLP-158	P	Solid	7470A	580-98675
580-29313-31DU	Duplicate	P	Solid	7470A	580-98675
580-29313-31MS	Matrix Spike	P	Solid	7470A	580-98675
580-29313-31MSD	Matrix Spike Duplicate	P	Solid	7470A	580-98675
Analysis Batch:580-98817					
LCS 580-98690/19-A	Lab Control Sample	T	Water	7470A	580-98690
LCSD 580-98690/20-A	Lab Control Sample Duplicate	T	Water	7470A	580-98690
LCSSRM 580-98690/21-A	LCS-Certified Reference Material	T	Water	7470A	580-98690
MB 580-98690/18-A	Method Blank	T	Water	7470A	580-98690
LCS 580-98696/11-A	Lab Control Sample	T	Water	7470A	580-98696
LCSD 580-98696/12-A	Lab Control Sample Duplicate	T	Water	7470A	580-98696
LCSSRM 580-98696/13-A	LCS-Certified Reference Material	T	Water	7470A	580-98696
MB 580-98696/10-A	Method Blank	T	Water	7470A	580-98696
580-29313-2	TCLP-105	P	Solid	7470A	580-98690
580-29313-23	TCLP-147	P	Solid	7470A	580-98690
580-29313-23DU	Duplicate	P	Solid	7470A	580-98690
580-29313-23MS	Matrix Spike	P	Solid	7470A	580-98690
580-29313-23MSD	Matrix Spike Duplicate	P	Solid	7470A	580-98690
580-29313-24	TCLP-148	P	Solid	7470A	580-98690
580-29313-25	TCLP-149	P	Solid	7470A	580-98690
580-29313-26	TCLP-150	P	Solid	7470A	580-98690
580-29313-27	TCLP-151	P	Solid	7470A	580-98696
580-29313-27DU	Duplicate	P	Solid	7470A	580-98696
580-29313-27MS	Matrix Spike	P	Solid	7470A	580-98696
580-29313-27MSD	Matrix Spike Duplicate	P	Solid	7470A	580-98696
580-29313-28	TCLP-154	P	Solid	7470A	580-98696
580-29313-29	TCLP-155	P	Solid	7470A	580-98696
580-29313-30	TCLP-156	P	Solid	7470A	580-98696

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Analysis Batch:580-98818					
MB 580-98531/1-B	Method Blank	P	Solid	6010B	580-98688
LCS 580-98688/24-A	Lab Control Sample	T	Water	6010B	580-98688
LCSD 580-98688/25-A	Lab Control Sample Duplicate	T	Water	6010B	580-98688
LCSSRM 580-98688/26-A	LCS-Certified Reference Material	T	Water	6010B	580-98688
MB 580-98533/1-B	Method Blank	P	Solid	6010B	580-98695
LCS 580-98695/11-A	Lab Control Sample	T	Water	6010B	580-98695
LCSD 580-98695/12-A	Lab Control Sample Duplicate	T	Water	6010B	580-98695
LCSSRM 580-98695/13-A	LCS-Certified Reference Material	T	Water	6010B	580-98695
580-29313-2	TCLP-105	P	Solid	6010B	580-98688
580-29313-23	TCLP-147	P	Solid	6010B	580-98688
580-29313-23DU	Duplicate	P	Solid	6010B	580-98688
580-29313-23MS	Matrix Spike	P	Solid	6010B	580-98688
580-29313-23MSD	Matrix Spike Duplicate	P	Solid	6010B	580-98688
580-29313-24	TCLP-148	P	Solid	6010B	580-98688
580-29313-25	TCLP-149	P	Solid	6010B	580-98688
580-29313-26	TCLP-150	P	Solid	6010B	580-98688
580-29313-27	TCLP-151	P	Solid	6010B	580-98695
580-29313-27DU	Duplicate	P	Solid	6010B	580-98695
580-29313-27MS	Matrix Spike	P	Solid	6010B	580-98695
580-29313-27MSD	Matrix Spike Duplicate	P	Solid	6010B	580-98695
580-29313-28	TCLP-154	P	Solid	6010B	580-98695
580-29313-29	TCLP-155	P	Solid	6010B	580-98695
580-29313-30	TCLP-156	P	Solid	6010B	580-98695
Analysis Batch:580-98894					
MB 580-98675/1-B	Method Blank	P	Solid	6010B	580-98814
LCS 580-98814/24-A	Lab Control Sample	T	Water	6010B	580-98814
LCSD 580-98814/25-A	Lab Control Sample Duplicate	T	Water	6010B	580-98814
LCSSRM 580-98814/26-A	LCS-Certified Reference Material	T	Water	6010B	580-98814
580-29313-31	TCLP-158	P	Solid	6010B	580-98814
580-29313-31DU	Duplicate	P	Solid	6010B	580-98814
580-29313-31MS	Matrix Spike	P	Solid	6010B	580-98814
580-29313-31MSD	Matrix Spike Duplicate	P	Solid	6010B	580-98814
Analysis Batch:580-99025					
LCS 580-98816/17-A	Lab Control Sample	T	Water	7470A	580-98816
LCSD 580-98816/18-A	Lab Control Sample Duplicate	T	Water	7470A	580-98816
LCSSRM 580-98816/19-A	LCS-Certified Reference Material	T	Water	7470A	580-98816
MB 580-98816/16-A	Method Blank	T	Water	7470A	580-98816
580-29313-31	TCLP-158	P	Solid	7470A	580-98816
580-29313-31DU	Duplicate	P	Solid	7470A	580-98816
580-29313-31MS	Matrix Spike	P	Solid	7470A	580-98816
580-29313-31MSD	Matrix Spike Duplicate	P	Solid	7470A	580-98816

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
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Report Basis

P = TCLP

T = Total

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
General Chemistry					
Analysis Batch:580-98125					
580-29313-1	TCLP-103	T	Solid	9045C	
580-29313-1DU	Duplicate	T	Solid	9045C	
580-29313-2	TCLP-105	T	Solid	9045C	
580-29313-3	TCLP-106	T	Solid	9045C	
580-29313-4	TCLP-115	T	Solid	9045C	
580-29313-5	TCLP-116	T	Solid	9045C	
580-29313-6	TCLP-117	T	Solid	9045C	
580-29313-7	TCLP-118	T	Solid	9045C	
580-29313-8	TCLP-119	T	Solid	9045C	
580-29313-9	TCLP-120	T	Solid	9045C	
580-29313-10	TCLP-121	T	Solid	9045C	
580-29313-11	TCLP-122	T	Solid	9045C	
580-29313-12	TCLP-127	T	Solid	9045C	
580-29313-13	TCLP-128	T	Solid	9045C	
580-29313-14	TCLP-129-A	T	Solid	9045C	
580-29313-15	TCLP-129-B	T	Solid	9045C	
580-29313-16	TCLP-131	T	Solid	9045C	
580-29313-17	TCLP-132	T	Solid	9045C	
580-29313-18	TCLP-138	T	Solid	9045C	
Analysis Batch:580-98127					
580-29313-19	TCLP-139	T	Solid	9045C	
580-29313-19DU	Duplicate	T	Solid	9045C	
580-29313-20	TCLP-141	T	Solid	9045C	
580-29313-21	TCLP-143	T	Solid	9045C	
580-29313-22	TCLP-146	T	Solid	9045C	
580-29313-23	TCLP-147	T	Solid	9045C	
580-29313-24	TCLP-148	T	Solid	9045C	
580-29313-25	TCLP-149	T	Solid	9045C	
580-29313-26	TCLP-150	T	Solid	9045C	
580-29313-27	TCLP-151	T	Solid	9045C	
580-29313-28	TCLP-154	T	Solid	9045C	
580-29313-29	TCLP-155	T	Solid	9045C	
580-29313-30	TCLP-156	T	Solid	9045C	
580-29313-31	TCLP-158	T	Solid	9045C	
Analysis Batch:580-98436					
580-29313-1	TCLP-103	T	Solid	160.3	
580-29313-2	TCLP-105	T	Solid	160.3	
580-29313-3	TCLP-106	T	Solid	160.3	
580-29313-4	TCLP-115	T	Solid	160.3	
580-29313-5	TCLP-116	T	Solid	160.3	
580-29313-6	TCLP-117	T	Solid	160.3	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
General Chemistry					
Analysis Batch:580-98443					
580-29313-7	TCLP-118	T	Solid	160.3	
580-29313-7DU	Duplicate	T	Solid	160.3	
580-29313-8	TCLP-119	T	Solid	160.3	
580-29313-9	TCLP-120	T	Solid	160.3	
580-29313-10	TCLP-121	T	Solid	160.3	
580-29313-11	TCLP-122	T	Solid	160.3	
580-29313-12	TCLP-127	T	Solid	160.3	
580-29313-13	TCLP-128	T	Solid	160.3	
580-29313-14	TCLP-129-A	T	Solid	160.3	
580-29313-15	TCLP-129-B	T	Solid	160.3	
580-29313-16	TCLP-131	T	Solid	160.3	
580-29313-17	TCLP-132	T	Solid	160.3	
580-29313-18	TCLP-138	T	Solid	160.3	
580-29313-19	TCLP-139	T	Solid	160.3	
580-29313-20	TCLP-141	T	Solid	160.3	
580-29313-21	TCLP-143	T	Solid	160.3	
580-29313-22	TCLP-146	T	Solid	160.3	
580-29313-23	TCLP-147	T	Solid	160.3	
580-29313-24	TCLP-148	T	Solid	160.3	
580-29313-25	TCLP-149	T	Solid	160.3	
580-29313-26	TCLP-150	T	Solid	160.3	
Analysis Batch:580-98446					
580-29313-27	TCLP-151	T	Solid	160.3	
580-29313-27DU	Duplicate	T	Solid	160.3	
580-29313-28	TCLP-154	T	Solid	160.3	
580-29313-29	TCLP-155	T	Solid	160.3	
580-29313-30	TCLP-156	T	Solid	160.3	
580-29313-31	TCLP-158	T	Solid	160.3	

Report Basis

T = Total

Certification Summary

Client: Science Applications International Corp
Project/Site: Everett Smelter Uplands Area

TestAmerica Job ID: 580-29313-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Seattle	Alaska	Alaska UST	10	UST-022
TestAmerica Seattle	Alaska	TA-Port Heiden Mobile Lab	10	UST-093
TestAmerica Seattle	California	NELAC	9	1115CA
TestAmerica Seattle	Florida	NELAC	4	E871074
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Louisiana	NELAC	6	05016
TestAmerica Seattle	Montana	MT DEQ UST	8	N/A
TestAmerica Seattle	Oregon	NELAC	10	WA100007
TestAmerica Seattle	USDA	USDA		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Laboratory Chronicle

Lab ID: 580-29313-1

Client ID: TCLP-103

Sample Date/Time: 10/14/2011 14:31

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-1-B		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	580-29313-A-1-B		580-98714	580-98565	10/26/2011	13:14	1	TAL SEA	SP
P:7470A	580-29313-A-1-F		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	580-29313-A-1-F		580-98670	580-98567	10/26/2011	10:57	1	TAL SEA	FCW
A:160.3	580-29313-A-1		580-98436		10/24/2011	13:47	1	TAL SEA	RD
A:9045C	580-29313-A-1		580-98125		10/19/2011	17:32	1	TAL SEA	JP

Lab ID: 580-29313-1 MS

Client ID: TCLP-103

Sample Date/Time: 10/14/2011 14:31

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-1-D MS		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	580-29313-A-1-D MS		580-98714	580-98565	10/26/2011	13:26	1	TAL SEA	SP
P:7470A	580-29313-A-1-H MS		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	580-29313-A-1-H MS		580-98670	580-98567	10/26/2011	11:00	1	TAL SEA	FCW

Lab ID: 580-29313-1 MSD

Client ID: TCLP-103

Sample Date/Time: 10/14/2011 14:31

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-1-E MSD		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	580-29313-A-1-E MSD		580-98714	580-98565	10/26/2011	13:31	1	TAL SEA	SP
P:7470A	580-29313-A-1-I MSD		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	580-29313-A-1-I MSD		580-98670	580-98567	10/26/2011	11:02	1	TAL SEA	FCW

Lab ID: 580-29313-1 DU

Client ID: TCLP-103

Sample Date/Time: 10/14/2011 14:31

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-1-C DU		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	580-29313-A-1-C DU		580-98714	580-98565	10/26/2011	13:20	1	TAL SEA	SP
P:7470A	580-29313-A-1-G DU		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	580-29313-A-1-G DU		580-98670	580-98567	10/26/2011	10:59	1	TAL SEA	FCW
A:9045C	580-29313-A-1 DU		580-98125		10/19/2011	17:32	1	TAL SEA	JP

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Laboratory Chronicle

Lab ID: 580-29313-1 SD

Client ID: TCLP-103

Sample Date/Time: 10/14/2011 14:31

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-1-B SD		580-98714	580-98565	10/25/2011	16:06	5	TAL SEA	PAB
A:6010B	580-29313-A-1-B SD		580-98714	580-98565	10/26/2011	13:08	5	TAL SEA	SP
P:3010A	580-29313-A-1-B PDS		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	580-29313-A-1-B PDS		580-98714	580-98565	10/26/2011	13:37	1	TAL SEA	SP

Lab ID: 580-29313-2

Client ID: TCLP-105

Sample Date/Time: 10/14/2011 14:32

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-2-B		580-98818	580-98688	10/26/2011	16:00	1	TAL SEA	PAB
A:6010B	580-29313-A-2-B		580-98818	580-98688	10/27/2011	14:44	1	TAL SEA	SP
P:7470A	580-29313-A-2-C		580-98817	580-98690	10/26/2011	17:06	1	TAL SEA	PAB
A:7470A	580-29313-A-2-C		580-98817	580-98690	10/27/2011	11:14	1	TAL SEA	FCW
A:160.3	580-29313-A-2		580-98436		10/24/2011	13:47	1	TAL SEA	RD
A:9045C	580-29313-A-2		580-98125		10/19/2011	17:32	1	TAL SEA	JP

Lab ID: 580-29313-3

Client ID: TCLP-106

Sample Date/Time: 10/14/2011 14:33

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-3-B		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	580-29313-A-3-B		580-98714	580-98565	10/26/2011	13:57	1	TAL SEA	SP
P:7470A	580-29313-A-3-C		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	580-29313-A-3-C		580-98670	580-98567	10/26/2011	11:04	1	TAL SEA	FCW
A:160.3	580-29313-A-3		580-98436		10/24/2011	13:47	1	TAL SEA	RD
A:9045C	580-29313-A-3		580-98125		10/19/2011	17:32	1	TAL SEA	JP

Lab ID: 580-29313-4

Client ID: TCLP-115

Sample Date/Time: 10/14/2011 14:28

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-4-B		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	580-29313-A-4-B		580-98714	580-98565	10/26/2011	14:03	1	TAL SEA	SP
P:7470A	580-29313-A-4-C		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	580-29313-A-4-C		580-98670	580-98567	10/26/2011	11:06	1	TAL SEA	FCW
A:160.3	580-29313-A-4		580-98436		10/24/2011	13:47	1	TAL SEA	RD
A:9045C	580-29313-A-4		580-98125		10/19/2011	17:32	1	TAL SEA	JP

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Laboratory Chronicle

Lab ID: 580-29313-5

Client ID: TCLP-116

Sample Date/Time: 10/14/2011 14:27

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	580-29313-A-5-B		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	580-29313-A-5-B		580-98714	580-98565	10/26/2011	14:09	1	TAL SEA	SP
P:7470A	580-29313-A-5-C		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	580-29313-A-5-C		580-98670	580-98567	10/26/2011	11:12	1	TAL SEA	FCW
A:160.3	580-29313-A-5		580-98436		10/24/2011	13:47	1	TAL SEA	RD
A:9045C	580-29313-A-5		580-98125		10/19/2011	17:32	1	TAL SEA	JP

Lab ID: 580-29313-6

Client ID: TCLP-117

Sample Date/Time: 10/14/2011 14:25

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	580-29313-A-6-B		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	580-29313-A-6-B		580-98714	580-98565	10/26/2011	14:15	1	TAL SEA	SP
P:7470A	580-29313-A-6-C		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	580-29313-A-6-C		580-98670	580-98567	10/26/2011	11:14	1	TAL SEA	FCW
A:160.3	580-29313-A-6		580-98436		10/24/2011	13:47	1	TAL SEA	RD
A:9045C	580-29313-A-6		580-98125		10/19/2011	17:32	1	TAL SEA	JP

Lab ID: 580-29313-7

Client ID: TCLP-118

Sample Date/Time: 10/14/2011 14:26

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	580-29313-A-7-B		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	580-29313-A-7-B		580-98714	580-98565	10/26/2011	14:21	1	TAL SEA	SP
P:7470A	580-29313-A-7-C		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	580-29313-A-7-C		580-98670	580-98567	10/26/2011	11:16	1	TAL SEA	FCW
A:160.3	580-29313-A-7		580-98443		10/24/2011	14:30	1	TAL SEA	RD
A:9045C	580-29313-A-7		580-98125		10/19/2011	17:32	1	TAL SEA	JP

Lab ID: 580-29313-7 DU

Client ID: TCLP-118

Sample Date/Time: 10/14/2011 14:26

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
A:160.3	580-29313-A-7 DU		580-98443		10/24/2011	14:30	1	TAL SEA	RD

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Laboratory Chronicle

Lab ID: 580-29313-8

Client ID: TCLP-119

Sample Date/Time: 10/14/2011 14:23

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-8-B		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	580-29313-A-8-B		580-98714	580-98565	10/26/2011	14:27	1	TAL SEA	SP
P:7470A	580-29313-A-8-C		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	580-29313-A-8-C		580-98670	580-98567	10/26/2011	11:18	1	TAL SEA	FCW
A:160.3	580-29313-A-8		580-98443		10/24/2011	14:30	1	TAL SEA	RD
A:9045C	580-29313-A-8		580-98125		10/19/2011	17:32	1	TAL SEA	JP

Lab ID: 580-29313-9

Client ID: TCLP-120

Sample Date/Time: 10/14/2011 14:20

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-9-B		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	580-29313-A-9-B		580-98714	580-98565	10/26/2011	14:34	1	TAL SEA	SP
P:7470A	580-29313-A-9-C		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	580-29313-A-9-C		580-98670	580-98567	10/26/2011	11:20	1	TAL SEA	FCW
A:160.3	580-29313-A-9		580-98443		10/24/2011	14:30	1	TAL SEA	RD
A:9045C	580-29313-A-9		580-98125		10/19/2011	17:32	1	TAL SEA	JP

Lab ID: 580-29313-10

Client ID: TCLP-121

Sample Date/Time: 10/14/2011 14:21

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-10-B		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	580-29313-A-10-B		580-98714	580-98565	10/26/2011	14:40	1	TAL SEA	SP
P:7470A	580-29313-A-10-C		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	580-29313-A-10-C		580-98670	580-98567	10/26/2011	11:22	1	TAL SEA	FCW
A:160.3	580-29313-A-10		580-98443		10/24/2011	14:30	1	TAL SEA	RD
A:9045C	580-29313-A-10		580-98125		10/19/2011	17:32	1	TAL SEA	JP

Lab ID: 580-29313-11

Client ID: TCLP-122

Sample Date/Time: 10/14/2011 14:19

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-11-B		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	580-29313-A-11-B		580-98714	580-98565	10/26/2011	15:00	1	TAL SEA	SP
P:7470A	580-29313-A-11-C		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	580-29313-A-11-C		580-98670	580-98567	10/26/2011	11:24	1	TAL SEA	FCW
A:160.3	580-29313-A-11		580-98443		10/24/2011	14:30	1	TAL SEA	RD
A:9045C	580-29313-A-11		580-98125		10/19/2011	17:32	1	TAL SEA	JP

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Laboratory Chronicle

Lab ID: 580-29313-12

Client ID: TCLP-127

Sample Date/Time: 10/14/2011 14:17

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-12-B		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	580-29313-A-12-B		580-98714	580-98565	10/26/2011	15:06	1	TAL SEA	SP
P:7470A	580-29313-A-12-C		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	580-29313-A-12-C		580-98670	580-98567	10/26/2011	11:26	1	TAL SEA	FCW
A:160.3	580-29313-A-12		580-98443		10/24/2011	14:30	1	TAL SEA	RD
A:9045C	580-29313-A-12		580-98125		10/19/2011	17:32	1	TAL SEA	JP

Lab ID: 580-29313-13

Client ID: TCLP-128

Sample Date/Time: 10/14/2011 14:22

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-13-B		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	580-29313-A-13-B		580-98714	580-98565	10/26/2011	15:12	1	TAL SEA	SP
P:7470A	580-29313-A-13-C		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	580-29313-A-13-C		580-98670	580-98567	10/26/2011	11:28	1	TAL SEA	FCW
A:160.3	580-29313-A-13		580-98443		10/24/2011	14:30	1	TAL SEA	RD
A:9045C	580-29313-A-13		580-98125		10/19/2011	17:32	1	TAL SEA	JP

Lab ID: 580-29313-14

Client ID: TCLP-129-A

Sample Date/Time: 10/14/2011 13:55

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-14-B		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	580-29313-A-14-B		580-98714	580-98565	10/26/2011	15:18	1	TAL SEA	SP
P:7470A	580-29313-A-14-C		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	580-29313-A-14-C		580-98670	580-98567	10/26/2011	11:30	1	TAL SEA	FCW
A:160.3	580-29313-A-14		580-98443		10/24/2011	14:30	1	TAL SEA	RD
A:9045C	580-29313-A-14		580-98125		10/19/2011	17:32	1	TAL SEA	JP

Lab ID: 580-29313-15

Client ID: TCLP-129-B

Sample Date/Time: 10/14/2011 13:58

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-15-B		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	580-29313-A-15-B		580-98714	580-98565	10/26/2011	15:24	1	TAL SEA	SP
P:7470A	580-29313-A-15-C		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	580-29313-A-15-C		580-98670	580-98567	10/26/2011	11:43	1	TAL SEA	FCW
A:160.3	580-29313-A-15		580-98443		10/24/2011	14:30	1	TAL SEA	RD
A:9045C	580-29313-A-15		580-98125		10/19/2011	17:32	1	TAL SEA	JP

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Laboratory Chronicle

Lab ID: 580-29313-16

Client ID: TCLP-131

Sample Date/Time: 10/14/2011 14:15

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-16-B		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	580-29313-A-16-B		580-98714	580-98565	10/26/2011	15:30	1	TAL SEA	SP
P:7470A	580-29313-A-16-C		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	580-29313-A-16-C		580-98670	580-98567	10/26/2011	11:45	1	TAL SEA	FCW
A:160.3	580-29313-A-16		580-98443		10/24/2011	14:30	1	TAL SEA	RD
A:9045C	580-29313-A-16		580-98125		10/19/2011	17:32	1	TAL SEA	JP

Lab ID: 580-29313-17

Client ID: TCLP-132

Sample Date/Time: 10/14/2011 14:16

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-17-B		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	580-29313-A-17-B		580-98714	580-98565	10/26/2011	15:36	1	TAL SEA	SP
P:7470A	580-29313-A-17-C		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	580-29313-A-17-C		580-98670	580-98567	10/26/2011	11:47	1	TAL SEA	FCW
A:160.3	580-29313-A-17		580-98443		10/24/2011	14:30	1	TAL SEA	RD
A:9045C	580-29313-A-17		580-98125		10/19/2011	17:32	1	TAL SEA	JP

Lab ID: 580-29313-18

Client ID: TCLP-138

Sample Date/Time: 10/14/2011 14:10

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-18-B		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	580-29313-A-18-B		580-98714	580-98565	10/26/2011	15:42	1	TAL SEA	SP
P:7470A	580-29313-A-18-C		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	580-29313-A-18-C		580-98670	580-98567	10/26/2011	11:49	1	TAL SEA	FCW
A:160.3	580-29313-A-18		580-98443		10/24/2011	14:30	1	TAL SEA	RD
A:9045C	580-29313-A-18		580-98125		10/19/2011	17:32	1	TAL SEA	JP

Lab ID: 580-29313-19

Client ID: TCLP-139

Sample Date/Time: 10/14/2011 14:30

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-19-B		580-98714	580-98580	10/25/2011	16:58	1	TAL SEA	PAB
A:6010B	580-29313-A-19-B		580-98714	580-98580	10/26/2011	11:28	1	TAL SEA	SP
P:7470A	580-29313-A-19-F		580-98670	580-98582	10/25/2011	17:04	1	TAL SEA	PAB
A:7470A	580-29313-A-19-F		580-98670	580-98582	10/26/2011	10:31	1	TAL SEA	FCW
A:160.3	580-29313-A-19		580-98443		10/24/2011	14:30	1	TAL SEA	RD
A:9045C	580-29313-A-19		580-98127		10/19/2011	17:37	1	TAL SEA	JP

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Laboratory Chronicle

Lab ID: 580-29313-19 MS

Client ID: TCLP-139

Sample Date/Time: 10/14/2011 14:30

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-29313-A-19-D MS		580-98714	580-98580	10/25/2011 16:58	1	TAL SEA	PAB
A:6010B	580-29313-A-19-D MS		580-98714	580-98580	10/26/2011 11:41	1	TAL SEA	SP
P:7470A	580-29313-A-19-H MS		580-98670	580-98582	10/25/2011 17:04	1	TAL SEA	PAB
A:7470A	580-29313-A-19-H MS		580-98670	580-98582	10/26/2011 10:35	1	TAL SEA	FCW

Lab ID: 580-29313-19 MSD

Client ID: TCLP-139

Sample Date/Time: 10/14/2011 14:30

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-29313-A-19-E MSD		580-98714	580-98580	10/25/2011 16:58	1	TAL SEA	PAB
A:6010B	580-29313-A-19-E MSD		580-98714	580-98580	10/26/2011 11:46	1	TAL SEA	SP
P:7470A	580-29313-A-19-I MSD		580-98670	580-98582	10/25/2011 17:04	1	TAL SEA	PAB
A:7470A	580-29313-A-19-I MSD		580-98670	580-98582	10/26/2011 10:37	1	TAL SEA	FCW

Lab ID: 580-29313-19 DU

Client ID: TCLP-139

Sample Date/Time: 10/14/2011 14:30

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-29313-A-19-C DU		580-98714	580-98580	10/25/2011 16:58	1	TAL SEA	PAB
A:6010B	580-29313-A-19-C DU		580-98714	580-98580	10/26/2011 11:35	1	TAL SEA	SP
P:7470A	580-29313-A-19-G DU		580-98670	580-98582	10/25/2011 17:04	1	TAL SEA	PAB
A:7470A	580-29313-A-19-G DU		580-98670	580-98582	10/26/2011 10:33	1	TAL SEA	FCW
A:9045C	580-29313-A-19 DU		580-98127		10/19/2011 17:37	1	TAL SEA	JP

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Laboratory Chronicle

Lab ID: 580-29313-19 SD

Client ID: TCLP-139

Sample Date/Time: 10/14/2011 14:30

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-19-B SD		580-98714	580-98580	10/25/2011	16:58	5	TAL SEA	PAB
A:6010B	580-29313-A-19-B SD		580-98714	580-98580	10/26/2011	11:23	5	TAL SEA	SP
P:3010A	580-29313-A-19-B PDS		580-98714	580-98580	10/25/2011	16:58	1	TAL SEA	PAB
A:6010B	580-29313-A-19-B PDS		580-98714	580-98580	10/26/2011	11:52	1	TAL SEA	SP

Lab ID: 580-29313-20

Client ID: TCLP-141

Sample Date/Time: 10/14/2011 14:08

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-20-B		580-98714	580-98580	10/25/2011	16:58	1	TAL SEA	PAB
A:6010B	580-29313-A-20-B		580-98714	580-98580	10/26/2011	12:12	1	TAL SEA	SP
P:7470A	580-29313-A-20-C		580-98670	580-98582	10/25/2011	17:04	1	TAL SEA	PAB
A:7470A	580-29313-A-20-C		580-98670	580-98582	10/26/2011	10:39	1	TAL SEA	FCW
A:160.3	580-29313-A-20		580-98443		10/24/2011	14:30	1	TAL SEA	RD
A:9045C	580-29313-A-20		580-98127		10/19/2011	17:37	1	TAL SEA	JP

Lab ID: 580-29313-21

Client ID: TCLP-143

Sample Date/Time: 10/14/2011 14:00

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-21-B		580-98714	580-98580	10/25/2011	16:58	1	TAL SEA	PAB
A:6010B	580-29313-A-21-B		580-98714	580-98580	10/26/2011	12:18	1	TAL SEA	SP
P:7470A	580-29313-A-21-C		580-98670	580-98582	10/25/2011	17:04	1	TAL SEA	PAB
A:7470A	580-29313-A-21-C		580-98670	580-98582	10/26/2011	10:41	1	TAL SEA	FCW
A:160.3	580-29313-A-21		580-98443		10/24/2011	14:30	1	TAL SEA	RD
A:9045C	580-29313-A-21		580-98127		10/19/2011	17:37	1	TAL SEA	JP

Lab ID: 580-29313-22

Client ID: TCLP-146

Sample Date/Time: 10/14/2011 14:04

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-22-B		580-98714	580-98580	10/25/2011	16:58	1	TAL SEA	PAB
A:6010B	580-29313-A-22-B		580-98714	580-98580	10/26/2011	12:24	1	TAL SEA	SP
P:7470A	580-29313-A-22-C		580-98670	580-98582	10/25/2011	17:04	1	TAL SEA	PAB
A:7470A	580-29313-A-22-C		580-98670	580-98582	10/26/2011	10:43	1	TAL SEA	FCW
A:160.3	580-29313-A-22		580-98443		10/24/2011	14:30	1	TAL SEA	RD
A:9045C	580-29313-A-22		580-98127		10/19/2011	17:37	1	TAL SEA	JP

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Laboratory Chronicle

Lab ID: 580-29313-23

Client ID: TCLP-147

Sample Date/Time: 10/14/2011 14:05

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-23-B		580-98818	580-98688	10/26/2011	16:00	1	TAL SEA	PAB
A:6010B	580-29313-A-23-B		580-98818	580-98688	10/27/2011	14:04	1	TAL SEA	SP
P:7470A	580-29313-A-23-F		580-98817	580-98690	10/26/2011	17:06	1	TAL SEA	PAB
A:7470A	580-29313-A-23-F		580-98817	580-98690	10/27/2011	11:06	1	TAL SEA	FCW
A:160.3	580-29313-A-23		580-98443		10/24/2011	14:30	1	TAL SEA	RD
A:9045C	580-29313-A-23		580-98127		10/19/2011	17:37	1	TAL SEA	JP

Lab ID: 580-29313-23 MS

Client ID: TCLP-147

Sample Date/Time: 10/14/2011 14:05

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-23-D MS		580-98818	580-98688	10/26/2011	16:00	1	TAL SEA	PAB
A:6010B	580-29313-A-23-D MS		580-98818	580-98688	10/27/2011	14:16	1	TAL SEA	SP
P:7470A	580-29313-A-23-H MS		580-98817	580-98690	10/26/2011	17:06	1	TAL SEA	PAB
A:7470A	580-29313-A-23-H MS		580-98817	580-98690	10/27/2011	11:10	1	TAL SEA	FCW

Lab ID: 580-29313-23 MSD

Client ID: TCLP-147

Sample Date/Time: 10/14/2011 14:05

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-23-E MSD		580-98818	580-98688	10/26/2011	16:00	1	TAL SEA	PAB
A:6010B	580-29313-A-23-E MSD		580-98818	580-98688	10/27/2011	14:21	1	TAL SEA	SP
P:7470A	580-29313-A-23-I MSD		580-98817	580-98690	10/26/2011	17:06	1	TAL SEA	PAB
A:7470A	580-29313-A-23-I MSD		580-98817	580-98690	10/27/2011	11:12	1	TAL SEA	FCW

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Laboratory Chronicle

Lab ID: 580-29313-23 DU

Client ID: TCLP-147

Sample Date/Time: 10/14/2011 14:05

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-29313-A-23-C DU		580-98818	580-98688	10/26/2011 16:00	1	TAL SEA	PAB
A:6010B	580-29313-A-23-C DU		580-98818	580-98688	10/27/2011 14:10	1	TAL SEA	SP
P:7470A	580-29313-A-23-G DU		580-98817	580-98690	10/26/2011 17:06	1	TAL SEA	PAB
A:7470A	580-29313-A-23-G DU		580-98817	580-98690	10/27/2011 11:08	1	TAL SEA	FCW

Lab ID: 580-29313-23 SD

Client ID: TCLP-147

Sample Date/Time: 10/14/2011 14:05

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-29313-A-23-B SD		580-98818	580-98688	10/26/2011 16:00	5	TAL SEA	PAB
A:6010B	580-29313-A-23-B SD		580-98818	580-98688	10/27/2011 13:59	5	TAL SEA	SP
P:3010A	580-29313-A-23-B PDS		580-98818	580-98688	10/26/2011 16:00	1	TAL SEA	PAB
A:6010B	580-29313-A-23-B PDS		580-98818	580-98688	10/27/2011 14:27	1	TAL SEA	SP

Lab ID: 580-29313-24

Client ID: TCLP-148

Sample Date/Time: 10/14/2011 13:59

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-29313-A-24-B		580-98818	580-98688	10/26/2011 16:00	1	TAL SEA	PAB
A:6010B	580-29313-A-24-B		580-98818	580-98688	10/27/2011 14:50	1	TAL SEA	SP
P:7470A	580-29313-A-24-C		580-98817	580-98690	10/26/2011 17:06	1	TAL SEA	PAB
A:7470A	580-29313-A-24-C		580-98817	580-98690	10/27/2011 11:16	1	TAL SEA	FCW
A:160.3	580-29313-A-24		580-98443		10/24/2011 14:30	1	TAL SEA	RD
A:9045C	580-29313-A-24		580-98127		10/19/2011 17:37	1	TAL SEA	JP

Lab ID: 580-29313-25

Client ID: TCLP-149

Sample Date/Time: 10/14/2011 14:02

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-29313-A-25-B		580-98818	580-98688	10/26/2011 16:00	1	TAL SEA	PAB
A:6010B	580-29313-A-25-B		580-98818	580-98688	10/27/2011 14:56	1	TAL SEA	SP
P:7470A	580-29313-A-25-C		580-98817	580-98690	10/26/2011 17:06	1	TAL SEA	PAB
A:7470A	580-29313-A-25-C		580-98817	580-98690	10/27/2011 11:18	1	TAL SEA	FCW
A:160.3	580-29313-A-25		580-98443		10/24/2011 14:30	1	TAL SEA	RD
A:9045C	580-29313-A-25		580-98127		10/19/2011 17:37	1	TAL SEA	JP

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Laboratory Chronicle

Lab ID: 580-29313-26

Client ID: TCLP-150

Sample Date/Time: 10/14/2011 14:07

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-26-B		580-98818	580-98688	10/26/2011	16:00	1	TAL SEA	PAB
A:6010B	580-29313-A-26-B		580-98818	580-98688	10/27/2011	15:01	1	TAL SEA	SP
P:7470A	580-29313-A-26-C		580-98817	580-98690	10/26/2011	17:06	1	TAL SEA	PAB
A:7470A	580-29313-A-26-C		580-98817	580-98690	10/27/2011	11:20	1	TAL SEA	FCW
A:160.3	580-29313-A-26		580-98443		10/24/2011	14:30	1	TAL SEA	RD
A:9045C	580-29313-A-26		580-98127		10/19/2011	17:37	1	TAL SEA	JP

Lab ID: 580-29313-27

Client ID: TCLP-151

Sample Date/Time: 10/14/2011 14:18

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-27-B		580-98818	580-98695	10/26/2011	18:00	1	TAL SEA	PAB
A:6010B	580-29313-A-27-B		580-98818	580-98695	10/27/2011	11:36	1	TAL SEA	SP
P:7470A	580-29313-A-27-F		580-98817	580-98696	10/26/2011	18:05	1	TAL SEA	PAB
A:7470A	580-29313-A-27-F		580-98817	580-98696	10/27/2011	12:00	1	TAL SEA	FCW
A:160.3	580-29313-A-27		580-98446		10/24/2011	15:00	1	TAL SEA	RD
A:9045C	580-29313-A-27		580-98127		10/19/2011	17:37	1	TAL SEA	JP

Lab ID: 580-29313-27 MS

Client ID: TCLP-151

Sample Date/Time: 10/14/2011 14:18

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-27-D MS		580-98818	580-98695	10/26/2011	18:00	1	TAL SEA	PAB
A:6010B	580-29313-A-27-D MS		580-98818	580-98695	10/27/2011	11:48	1	TAL SEA	SP
P:7470A	580-29313-A-27-H MS		580-98817	580-98696	10/26/2011	18:05	1	TAL SEA	PAB
A:7470A	580-29313-A-27-H MS		580-98817	580-98696	10/27/2011	12:04	1	TAL SEA	FCW

Lab ID: 580-29313-27 MSD

Client ID: TCLP-151

Sample Date/Time: 10/14/2011 14:18

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-27-E MSD		580-98818	580-98695	10/26/2011	18:00	1	TAL SEA	PAB
A:6010B	580-29313-A-27-E MSD		580-98818	580-98695	10/27/2011	11:54	1	TAL SEA	SP
P:7470A	580-29313-A-27-I MSD		580-98817	580-98696	10/26/2011	18:05	1	TAL SEA	PAB
A:7470A	580-29313-A-27-I MSD		580-98817	580-98696	10/27/2011	12:06	1	TAL SEA	FCW

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Laboratory Chronicle

Lab ID: 580-29313-27 DU

Client ID: TCLP-151

Sample Date/Time: 10/14/2011 14:18

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-27-C DU		580-98818	580-98695	10/26/2011	18:00	1	TAL SEA	PAB
A:6010B	580-29313-A-27-C DU		580-98818	580-98695	10/27/2011	11:42	1	TAL SEA	SP
P:7470A	580-29313-A-27-G DU		580-98817	580-98696	10/26/2011	18:05	1	TAL SEA	PAB
A:7470A	580-29313-A-27-G DU		580-98817	580-98696	10/27/2011	12:02	1	TAL SEA	FCW
A:160.3	580-29313-A-27 DU		580-98446		10/24/2011	15:00	1	TAL SEA	RD

Lab ID: 580-29313-27 SD

Client ID: TCLP-151

Sample Date/Time: 10/14/2011 14:18

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-27-B SD		580-98818	580-98695	10/26/2011	18:00	5	TAL SEA	PAB
A:6010B	580-29313-A-27-B SD		580-98818	580-98695	10/27/2011	11:31	5	TAL SEA	SP
P:3010A	580-29313-A-27-B PDS		580-98818	580-98695	10/26/2011	18:00	1	TAL SEA	PAB
A:6010B	580-29313-A-27-B PDS		580-98818	580-98695	10/27/2011	11:59	1	TAL SEA	SP

Lab ID: 580-29313-28

Client ID: TCLP-154

Sample Date/Time: 10/14/2011 14:11

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-28-B		580-98818	580-98695	10/26/2011	18:00	1	TAL SEA	PAB
A:6010B	580-29313-A-28-B		580-98818	580-98695	10/27/2011	12:16	1	TAL SEA	SP
P:7470A	580-29313-A-28-C		580-98817	580-98696	10/26/2011	18:05	1	TAL SEA	PAB
A:7470A	580-29313-A-28-C		580-98817	580-98696	10/27/2011	12:07	1	TAL SEA	FCW
A:160.3	580-29313-A-28		580-98446		10/24/2011	15:00	1	TAL SEA	RD
A:9045C	580-29313-A-28		580-98127		10/19/2011	17:37	1	TAL SEA	JP

Lab ID: 580-29313-29

Client ID: TCLP-155

Sample Date/Time: 10/14/2011 13:51

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-29-B		580-98818	580-98695	10/26/2011	18:00	1	TAL SEA	PAB
A:6010B	580-29313-A-29-B		580-98818	580-98695	10/27/2011	12:22	1	TAL SEA	SP
P:7470A	580-29313-A-29-C		580-98817	580-98696	10/26/2011	18:05	1	TAL SEA	PAB
A:7470A	580-29313-A-29-C		580-98817	580-98696	10/27/2011	12:09	1	TAL SEA	FCW
A:160.3	580-29313-A-29		580-98446		10/24/2011	15:00	1	TAL SEA	RD
A:9045C	580-29313-A-29		580-98127		10/19/2011	17:37	1	TAL SEA	JP

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Laboratory Chronicle

Lab ID: 580-29313-30

Client ID: TCLP-156

Sample Date/Time: 10/14/2011 13:50

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-30-B		580-98818	580-98695	10/26/2011	18:00	1	TAL SEA	PAB
A:6010B	580-29313-A-30-B		580-98818	580-98695	10/27/2011	12:28	1	TAL SEA	SP
P:7470A	580-29313-A-30-C		580-98817	580-98696	10/26/2011	18:05	1	TAL SEA	PAB
A:7470A	580-29313-A-30-C		580-98817	580-98696	10/27/2011	12:11	1	TAL SEA	FCW
A:160.3	580-29313-A-30		580-98446		10/24/2011	15:00	1	TAL SEA	RD
A:9045C	580-29313-A-30		580-98127		10/19/2011	17:37	1	TAL SEA	JP

Lab ID: 580-29313-31

Client ID: TCLP-158

Sample Date/Time: 10/17/2011 09:15

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-31-B		580-98894	580-98814	10/27/2011	15:34	1	TAL SEA	PAB
A:6010B	580-29313-A-31-B		580-98894	580-98814	10/28/2011	09:26	1	TAL SEA	SP
P:7470A	580-29313-A-31-F		580-99025	580-98816	10/27/2011	16:07	1	TAL SEA	PAB
A:7470A	580-29313-A-31-F		580-99025	580-98816	10/31/2011	14:27	1	TAL SEA	FCW
A:160.3	580-29313-A-31		580-98446		10/24/2011	15:00	1	TAL SEA	RD
A:9045C	580-29313-A-31		580-98127		10/19/2011	17:37	1	TAL SEA	JP

Lab ID: 580-29313-31 MS

Client ID: TCLP-158

Sample Date/Time: 10/17/2011 09:15

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-31-D MS		580-98894	580-98814	10/27/2011	15:34	1	TAL SEA	PAB
A:6010B	580-29313-A-31-D MS		580-98894	580-98814	10/28/2011	09:38	1	TAL SEA	SP
P:7470A	580-29313-A-31-H MS		580-99025	580-98816	10/27/2011	16:07	1	TAL SEA	PAB
A:7470A	580-29313-A-31-H MS		580-99025	580-98816	10/31/2011	14:31	1	TAL SEA	FCW

Lab ID: 580-29313-31 MSD

Client ID: TCLP-158

Sample Date/Time: 10/17/2011 09:15

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-29313-A-31-E MSD		580-98894	580-98814	10/27/2011	15:34	1	TAL SEA	PAB
A:6010B	580-29313-A-31-E MSD		580-98894	580-98814	10/28/2011	09:44	1	TAL SEA	SP
P:7470A	580-29313-A-31-I MSD		580-99025	580-98816	10/27/2011	16:07	1	TAL SEA	PAB
A:7470A	580-29313-A-31-I MSD		580-99025	580-98816	10/31/2011	14:33	1	TAL SEA	FCW

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Laboratory Chronicle

Lab ID: 580-29313-31 DU

Client ID: TCLP-158

Sample Date/Time: 10/17/2011 09:15

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-29313-A-31-C DU		580-98894	580-98814	10/27/2011 15:34	1	TAL SEA	PAB
A:6010B	580-29313-A-31-C DU		580-98894	580-98814	10/28/2011 09:32	1	TAL SEA	SP
P:7470A	580-29313-A-31-G DU		580-99025	580-98816	10/27/2011 16:07	1	TAL SEA	PAB
A:7470A	580-29313-A-31-G DU		580-99025	580-98816	10/31/2011 14:29	1	TAL SEA	FCW

Lab ID: 580-29313-31 SD

Client ID: TCLP-158

Sample Date/Time: 10/17/2011 09:15

Received Date/Time: 10/17/2011 15:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-29313-A-31-B SD		580-98894	580-98814	10/27/2011 15:34	5	TAL SEA	PAB
A:6010B	580-29313-A-31-B SD		580-98894	580-98814	10/28/2011 09:20	5	TAL SEA	SP
P:3010A	580-29313-A-31-B PDS		580-98894	580-98814	10/27/2011 15:34	1	TAL SEA	PAB
A:6010B	580-29313-A-31-B PDS		580-98894	580-98814	10/28/2011 09:50	1	TAL SEA	SP

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	MB 580-98088/1-B		580-98714	580-98580	10/25/2011	16:58	1	TAL SEA	PAB
A:6010B	MB 580-98088/1-B		580-98714	580-98580	10/26/2011	10:59	1	TAL SEA	SP
P:3010A	MB 580-98076/1-B		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	MB 580-98076/1-B		580-98714	580-98565	10/26/2011	12:44	1	TAL SEA	SP
P:3010A	MB 580-98533/1-B		580-98818	580-98695	10/26/2011	18:00	1	TAL SEA	PAB
A:6010B	MB 580-98533/1-B		580-98818	580-98695	10/27/2011	11:08	1	TAL SEA	SP
P:3010A	MB 580-98531/1-B		580-98818	580-98688	10/26/2011	16:00	1	TAL SEA	PAB
A:6010B	MB 580-98531/1-B		580-98818	580-98688	10/27/2011	12:56	1	TAL SEA	SP
P:3010A	MB 580-98675/1-B		580-98894	580-98814	10/27/2011	15:34	1	TAL SEA	PAB
A:6010B	MB 580-98675/1-B		580-98894	580-98814	10/28/2011	08:57	1	TAL SEA	SP
P:7470A	MB 580-98582/8-A		580-98670	580-98582	10/25/2011	17:04	1	TAL SEA	PAB
A:7470A	MB 580-98582/8-A		580-98670	580-98582	10/26/2011	10:19	1	TAL SEA	FCW
P:7470A	MB 580-98567/22-A		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	MB 580-98567/22-A		580-98670	580-98567	10/26/2011	10:49	1	TAL SEA	FCW
P:7470A	MB 580-98690/18-A		580-98817	580-98690	10/26/2011	17:06	1	TAL SEA	PAB
A:7470A	MB 580-98690/18-A		580-98817	580-98690	10/27/2011	10:55	1	TAL SEA	FCW
P:7470A	MB 580-98696/10-A		580-98817	580-98696	10/26/2011	18:05	1	TAL SEA	PAB
A:7470A	MB 580-98696/10-A		580-98817	580-98696	10/27/2011	11:48	1	TAL SEA	FCW
P:7470A	MB 580-98816/16-A		580-99025	580-98816	10/27/2011	16:07	1	TAL SEA	PAB
A:7470A	MB 580-98816/16-A		580-99025	580-98816	10/31/2011	14:19	1	TAL SEA	FCW

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	LCS 580-98580/9-A		580-98714	580-98580	10/25/2011	16:58	1	TAL SEA	PAB
A:6010B	LCS 580-98580/9-A		580-98714	580-98580	10/26/2011	11:05	1	TAL SEA	SP
P:3010A	LCS 580-98565/23-A		580-98714	580-98565	10/25/2011	16:06	1	TAL SEA	PAB
A:6010B	LCS 580-98565/23-A		580-98714	580-98565	10/26/2011	12:50	1	TAL SEA	SP
P:3010A	LCS 580-98695/11-A		580-98818	580-98695	10/26/2011	18:00	1	TAL SEA	PAB
A:6010B	LCS 580-98695/11-A		580-98818	580-98695	10/27/2011	11:14	1	TAL SEA	SP
P:3010A	LCS 580-98688/24-A		580-98818	580-98688	10/26/2011	16:00	1	TAL SEA	PAB
A:6010B	LCS 580-98688/24-A		580-98818	580-98688	10/27/2011	13:02	1	TAL SEA	SP
P:3010A	LCS 580-98814/24-A		580-98894	580-98814	10/27/2011	15:34	1	TAL SEA	PAB
A:6010B	LCS 580-98814/24-A		580-98894	580-98814	10/28/2011	09:03	1	TAL SEA	SP
P:7470A	LCS 580-98582/9-A		580-98670	580-98582	10/25/2011	17:04	1	TAL SEA	PAB
A:7470A	LCS 580-98582/9-A		580-98670	580-98582	10/26/2011	10:21	1	TAL SEA	FCW
P:7470A	LCS 580-98567/23-A		580-98670	580-98567	10/25/2011	16:11	1	TAL SEA	PAB
A:7470A	LCS 580-98567/23-A		580-98670	580-98567	10/26/2011	10:51	1	TAL SEA	FCW
P:7470A	LCS 580-98690/19-A		580-98817	580-98690	10/26/2011	17:06	1	TAL SEA	PAB
A:7470A	LCS 580-98690/19-A		580-98817	580-98690	10/27/2011	10:57	1	TAL SEA	FCW
P:7470A	LCS 580-98696/11-A		580-98817	580-98696	10/26/2011	18:05	1	TAL SEA	PAB
A:7470A	LCS 580-98696/11-A		580-98817	580-98696	10/27/2011	11:50	1	TAL SEA	FCW
P:7470A	LCS 580-98816/17-A		580-99025	580-98816	10/27/2011	16:07	1	TAL SEA	PAB
A:7470A	LCS 580-98816/17-A		580-99025	580-98816	10/31/2011	14:21	1	TAL SEA	FCW

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Laboratory Chronicle

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	LCSD		580-98714	580-98580	10/25/2011 16:58	1	TAL SEA	PAB
A:6010B	580-98580/10-A		580-98714	580-98580	10/26/2011 11:11	1	TAL SEA	SP
P:3010A	LCSD		580-98714	580-98565	10/25/2011 16:06	1	TAL SEA	PAB
A:6010B	580-98565/24-A		580-98714	580-98565	10/26/2011 12:56	1	TAL SEA	SP
P:3010A	LCSD		580-98818	580-98695	10/26/2011 18:00	1	TAL SEA	PAB
A:6010B	580-98695/12-A		580-98818	580-98695	10/27/2011 11:19	1	TAL SEA	SP
P:3010A	LCSD		580-98818	580-98688	10/26/2011 16:00	1	TAL SEA	PAB
A:6010B	580-98688/25-A		580-98818	580-98688	10/27/2011 13:07	1	TAL SEA	SP
P:3010A	LCSD		580-98894	580-98814	10/27/2011 15:34	1	TAL SEA	PAB
A:6010B	580-98814/25-A		580-98894	580-98814	10/28/2011 09:09	1	TAL SEA	SP
P:7470A	LCSD		580-98670	580-98582	10/25/2011 17:04	1	TAL SEA	PAB
A:7470A	580-98582/10-A		580-98670	580-98582	10/26/2011 10:23	1	TAL SEA	FCW
P:7470A	LCSD		580-98670	580-98567	10/25/2011 16:11	1	TAL SEA	PAB
A:7470A	580-98567/24-A		580-98670	580-98567	10/26/2011 10:53	1	TAL SEA	FCW
P:7470A	LCSD		580-98817	580-98690	10/26/2011 17:06	1	TAL SEA	PAB
A:7470A	580-98690/20-A		580-98817	580-98690	10/27/2011 10:59	1	TAL SEA	FCW
P:7470A	LCSD		580-98817	580-98696	10/26/2011 18:05	1	TAL SEA	PAB
A:7470A	580-98696/12-A		580-98817	580-98696	10/27/2011 11:52	1	TAL SEA	FCW
P:7470A	LCSD		580-99025	580-98816	10/27/2011 16:07	1	TAL SEA	PAB
A:7470A	580-98816/18-A		580-99025	580-98816	10/31/2011 14:23	1	TAL SEA	FCW

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-29313-1

Laboratory Chronicle

Lab ID: LCSSRM

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	LCSSRM 580-98580/11-A		580-98714	580-98580	10/25/2011 16:58	1	TAL SEA	PAB
A:6010B	LCSSRM 580-98580/11-A		580-98714	580-98580	10/26/2011 11:17	1	TAL SEA	SP
P:3010A	LCSSRM 580-98565/25-A		580-98714	580-98565	10/25/2011 16:06	1	TAL SEA	PAB
A:6010B	LCSSRM 580-98565/25-A		580-98714	580-98565	10/26/2011 13:02	1	TAL SEA	SP
P:3010A	LCSSRM 580-98695/13-A		580-98818	580-98695	10/26/2011 18:00	1	TAL SEA	PAB
A:6010B	LCSSRM 580-98695/13-A		580-98818	580-98695	10/27/2011 11:25	1	TAL SEA	SP
P:3010A	LCSSRM 580-98688/26-A		580-98818	580-98688	10/26/2011 16:00	1	TAL SEA	PAB
A:6010B	LCSSRM 580-98688/26-A		580-98818	580-98688	10/27/2011 13:13	1	TAL SEA	SP
P:3010A	LCSSRM 580-98814/26-A		580-98894	580-98814	10/27/2011 15:34	1	TAL SEA	PAB
A:6010B	LCSSRM 580-98814/26-A		580-98894	580-98814	10/28/2011 09:14	1	TAL SEA	SP
P:7470A	LCSSRM 580-98582/11-A		580-98670	580-98582	10/25/2011 17:04	1	TAL SEA	PAB
A:7470A	LCSSRM 580-98582/11-A		580-98670	580-98582	10/26/2011 10:25	1	TAL SEA	FCW
P:7470A	LCSSRM 580-98567/25-A		580-98670	580-98567	10/25/2011 16:11	1	TAL SEA	PAB
A:7470A	LCSSRM 580-98567/25-A		580-98670	580-98567	10/26/2011 10:55	1	TAL SEA	FCW
P:7470A	LCSSRM 580-98690/21-A		580-98817	580-98690	10/26/2011 17:06	1	TAL SEA	PAB
A:7470A	LCSSRM 580-98690/21-A		580-98817	580-98690	10/27/2011 11:01	1	TAL SEA	FCW
P:7470A	LCSSRM 580-98696/13-A		580-98817	580-98696	10/26/2011 18:05	1	TAL SEA	PAB
A:7470A	LCSSRM 580-98696/13-A		580-98817	580-98696	10/27/2011 11:54	1	TAL SEA	FCW
P:7470A	LCSSRM 580-98816/19-A		580-99025	580-98816	10/27/2011 16:07	1	TAL SEA	PAB
A:7470A	LCSSRM 580-98816/19-A		580-99025	580-98816	10/31/2011 14:25	1	TAL SEA	FCW

Lab References:

TAL SEA = TestAmerica Seattle

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Seattle

Job Number: 580-29313-1

SDG No.: _____

Project: Everett Smelter Uplands Area

Client Sample ID	Lab Sample ID
TCLP-103	580-29313-1
TCLP-105	580-29313-2
TCLP-106	580-29313-3
TCLP-115	580-29313-4
TCLP-116	580-29313-5
TCLP-117	580-29313-6
TCLP-118	580-29313-7
TCLP-119	580-29313-8
TCLP-120	580-29313-9
TCLP-121	580-29313-10
TCLP-122	580-29313-11
TCLP-127	580-29313-12
TCLP-128	580-29313-13
TCLP-129-A	580-29313-14
TCLP-129-B	580-29313-15
TCLP-131	580-29313-16
TCLP-132	580-29313-17
TCLP-138	580-29313-18
TCLP-139	580-29313-19
TCLP-141	580-29313-20
TCLP-143	580-29313-21
TCLP-146	580-29313-22
TCLP-147	580-29313-23
TCLP-148	580-29313-24
TCLP-149	580-29313-25
TCLP-150	580-29313-26
TCLP-151	580-29313-27
TCLP-154	580-29313-28
TCLP-155	580-29313-29
TCLP-156	580-29313-30
TCLP-158	580-29313-31

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-103

Lab Sample ID: 580-29313-1

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:31

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0083	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.68	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0028	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.013	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-105

Lab Sample ID: 580-29313-2

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:32

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.015	0.060	0.0047	mg/L	J	B	1	6010B
7440-39-3	Barium	0.67	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0020	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0054	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.012	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	0.014	0.10	0.0042	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-106

Lab Sample ID: 580-29313-3

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:33

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.072	0.60	0.047	mg/L	J		1	6010B
7440-39-3	Barium	6.8	0.10	0.020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.031	0.10	0.015	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.25	0.033	mg/L			1	6010B
7439-92-1	Lead	0.11	0.30	0.021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	1.0	0.042	mg/L			1	6010B
7440-22-4	Silver	ND	0.20	0.085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-115

Lab Sample ID: 580-29313-4

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:28

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0095	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.74	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0023	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.016	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-116

Lab Sample ID: 580-29313-5

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:27

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0090	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.84	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0029	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.014	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-117

Lab Sample ID: 580-29313-6

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:25

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0057	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.63	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0031	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.011	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-118

Lab Sample ID: 580-29313-7

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:26

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.96	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0033	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0037	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.021	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-119

Lab Sample ID: 580-29313-8

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:23

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0054	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	1.1	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0026	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.011	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-120

Lab Sample ID: 580-29313-9

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:20

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0080	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.76	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0038	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0034	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.022	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-121

Lab Sample ID: 580-29313-10

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:21

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0076	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	1.1	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0022	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.0077	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-122

Lab Sample ID: 580-29313-11

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:19

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0078	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.89	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0027	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0034	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.0083	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-127

Lab Sample ID: 580-29313-12

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:17

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0075	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.75	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0045	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.021	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-128

Lab Sample ID: 580-29313-13

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:22

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0070	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.71	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0029	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0040	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.020	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-129-A

Lab Sample ID: 580-29313-14

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 13:55

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0062	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.85	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0049	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0035	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.025	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-129-B

Lab Sample ID: 580-29313-15

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 13:58

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0052	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.87	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0037	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0037	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.036	0.030	0.0021	mg/L			1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-131

Lab Sample ID: 580-29313-16

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:15

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.011	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.63	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0029	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0036	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.017	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-132

Lab Sample ID: 580-29313-17

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:16

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.013	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.49	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0028	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0038	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.016	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-138

Lab Sample ID: 580-29313-18

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:10

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0095	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.80	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0058	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.13	0.030	0.0021	mg/L			1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-139

Lab Sample ID: 580-29313-19

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:30

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0073	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.70	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0087	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.042	0.030	0.0021	mg/L			1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-141

Lab Sample ID: 580-29313-20

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:08

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.011	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.55	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0045	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0043	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.034	0.030	0.0021	mg/L			1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-143

Lab Sample ID: 580-29313-21

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:00

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.012	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.50	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0042	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0038	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.042	0.030	0.0021	mg/L			1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-146

Lab Sample ID: 580-29313-22

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:04

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.024	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	1.1	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0043	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0038	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.53	0.030	0.0021	mg/L			1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-147

Lab Sample ID: 580-29313-23

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:05

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.031	0.060	0.0047	mg/L	J	B	1	6010B
7440-39-3	Barium	0.88	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0060	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.19	0.030	0.0021	mg/L			1	6010B
7782-49-2	Selenium	0.0093	0.10	0.0042	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	0.00047	0.0020	0.00041	mg/L	J	B	1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-148

Lab Sample ID: 580-29313-24

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 13:59

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.025	0.060	0.0047	mg/L	J	B	1	6010B
7440-39-3	Barium	0.67	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0026	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0041	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.090	0.030	0.0021	mg/L			1	6010B
7782-49-2	Selenium	0.013	0.10	0.0042	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	0.00048	0.0020	0.00041	mg/L	J	B	1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-149

Lab Sample ID: 580-29313-25

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:02

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.028	0.060	0.0047	mg/L	J	B	1	6010B
7440-39-3	Barium	0.60	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0041	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0036	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.042	0.030	0.0021	mg/L			1	6010B
7782-49-2	Selenium	0.012	0.10	0.0042	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	0.00049	0.0020	0.00041	mg/L	J	B	1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-150

Lab Sample ID: 580-29313-26

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:07

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.031	0.060	0.0047	mg/L	J	B	1	6010B
7440-39-3	Barium	0.60	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0033	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0045	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.055	0.030	0.0021	mg/L			1	6010B
7782-49-2	Selenium	0.0096	0.10	0.0042	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	0.00055	0.0020	0.00041	mg/L	J	B	1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-151

Lab Sample ID: 580-29313-27

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:18

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.029	0.060	0.0047	mg/L	J	B	1	6010B
7440-39-3	Barium	0.50	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0040	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.031	0.030	0.0021	mg/L			1	6010B
7782-49-2	Selenium	0.026	0.10	0.0042	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	0.000054	0.00020	0.000041	mg/L	J	B	1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-154

Lab Sample ID: 580-29313-28

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:11

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.020	0.060	0.0047	mg/L	J	B	1	6010B
7440-39-3	Barium	0.51	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0018	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0035	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.018	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	0.023	0.10	0.0042	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020	0.000041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-155

Lab Sample ID: 580-29313-29

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 13:51

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.031	0.060	0.0047	mg/L	J	B	1	6010B
7440-39-3	Barium	1.0	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0047	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.095	0.030	0.0021	mg/L			1	6010B
7782-49-2	Selenium	0.021	0.10	0.0042	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	0.000054	0.00020	0.000041	mg/L	J	B	1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-156

Lab Sample ID: 580-29313-30

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 13:50

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.020	0.060	0.0047	mg/L	J	B	1	6010B
7440-39-3	Barium	0.62	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0027	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0036	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.040	0.030	0.0021	mg/L			1	6010B
7782-49-2	Selenium	0.023	0.10	0.0042	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	0.000057	0.00020	0.000041	mg/L	J	B	1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-158

Lab Sample ID: 580-29313-31

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/17/2011 09:15

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.018	0.060	0.0047	mg/L	J	B	1	6010B
7440-39-3	Barium	0.58	0.010	0.0020	mg/L			1	6010B
7440-43-9	Cadmium	0.0035	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.053	0.030	0.0021	mg/L			1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

ICV Source: ICP ICV-2_00018 Concentration Units: mg/L

CCV Source: ICP CCV_00034

Analyte	ICV 580-98818/6 10/27/2011 10:23				CCV 580-98818/11 10/27/2011 10:57				CCV 580-98818/23 10/27/2011 12:05			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	2.63		2.50	105	5.34		5.00	107	5.15		5.00	103
Barium	0.271		0.250	108	2.55		2.50	102	2.47		2.50	99
Cadmium	0.273		0.250	109	0.526		0.500	105	0.518		0.500	104
Chromium	1.06		1.00	106	0.527		0.500	105	0.512		0.500	102
Lead	1.10		1.00	110	5.48		5.00	110	5.17		5.00	103
Selenium	5.05		5.00	101	5.31		5.00	106	5.14		5.00	103
Silver	0.484		0.500	97	1.02		1.00	102	0.990		1.00	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

ICV Source: ICP ICV-2_00018 Concentration Units: mg/L

CCV Source: ICP CCV_00034

Analyte	CCV 580-98818/30 10/27/2011 12:45				CCV 580-98818/41 10/27/2011 13:47				CCV 580-98818/49 10/27/2011 14:33			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	5.32		5.00	106	5.29		5.00	106	5.24		5.00	105
Barium	2.54		2.50	102	2.56		2.50	102	2.57		2.50	103
Cadmium	0.534		0.500	107	0.535		0.500	107	0.537		0.500	107
Chromium	0.527		0.500	105	0.531		0.500	106	0.535		0.500	107
Lead	5.32		5.00	106	5.33		5.00	107	5.37		5.00	107
Selenium	5.31		5.00	106	5.31		5.00	106	5.27		5.00	105
Silver	1.02		1.00	102	1.01		1.00	101	1.02		1.00	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

ICV Source: ICP ICV-2_00018 Concentration Units: mg/L

CCV Source: ICP CCV_00034

Analyte	CCV 580-98818/55 10/27/2011 15:07											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	5.21		5.00	104								
Barium	2.58		2.50	103								
Cadmium	0.539		0.500	108								
Chromium	0.538		0.500	108								
Lead	5.33		5.00	107								
Selenium	5.24		5.00	105								
Silver	1.02		1.00	102								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

ICV Source: ICP ICV-2_00018 Concentration Units: mg/L

CCV Source: ICP CCV_00034

Analyte	ICV 580-98714/6 10/26/2011 10:03				CCV 580-98714/11 10/26/2011 10:48				CCV 580-98714/23 10/26/2011 11:58			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	2.49		2.50	100	4.97		5.00	99	5.08		5.00	102
Barium	0.260		0.250	104	2.48		2.50	99	2.48		2.50	99
Cadmium	0.256		0.250	102	0.504		0.500	101	0.510		0.500	102
Chromium	1.03		1.00	103	0.503		0.500	101	0.503		0.500	101
Lead	1.04		1.00	104	5.08		5.00	102	5.13		5.00	103
Selenium	5.05		5.00	101	4.97		5.00	99	5.05		5.00	101
Silver	0.497		0.500	99	1.01		1.00	101	1.01		1.00	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

ICV Source: ICP ICV-2_00018 Concentration Units: mg/L

CCV Source: ICP CCV_00034

Analyte	CCV 580-98714/28 10/26/2011 12:30				CCV 580-98714/40 10/26/2011 13:43				CCV 580-98714/50 10/26/2011 14:46			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	4.96		5.00	99	5.08		5.00	102	5.04		5.00	101
Barium	2.45		2.50	98	2.49		2.50	100	2.52		2.50	101
Cadmium	0.504		0.500	101	0.504		0.500	101	0.506		0.500	101
Chromium	0.505		0.500	101	0.496		0.500	99	0.501		0.500	100
Lead	5.06		5.00	101	5.04		5.00	101	5.06		5.00	101
Selenium	4.89		5.00	98	4.97		5.00	99	4.94		5.00	99
Silver	0.983		1.00	98	1.04		1.00	104	0.994		1.00	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

ICV Source: ICP ICV-2_00018 Concentration Units: mg/L

CCV Source: ICP CCV_00034

Analyte	CCV 580-98714/60 10/26/2011 15:48											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	5.05		5.00	101								
Barium	2.52		2.50	101								
Cadmium	0.513		0.500	103								
Chromium	0.511		0.500	102								
Lead	5.14		5.00	103								
Selenium	4.96		5.00	99								
Silver	0.955		1.00	95								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

ICV Source: ICP ICV-2_00018 Concentration Units: mg/L

CCV Source: ICP CCV_00034

Analyte	ICV 580-98894/6 10/28/2011 08:07				CCV 580-98894/11 10/28/2011 08:45				CCV 580-98894/23 10/28/2011 09:56			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	2.53		2.50	101	4.92		5.00	98	4.95		5.00	99
Barium	0.262		0.250	105	2.44		2.50	98	2.46		2.50	98
Cadmium	0.260		0.250	104	0.500		0.500	100	0.498		0.500	100
Chromium	1.04		1.00	104	0.504		0.500	101	0.499		0.500	100
Lead	1.06		1.00	106	5.04		5.00	101	5.01		5.00	100
Selenium	5.12		5.00	102	4.91		5.00	98	4.92		5.00	98
Silver	0.494		0.500	99	1.01		1.00	101	1.01		1.00	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00010 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00009

Analyte	ICV 580-98670/7 10/26/2011 10:09				CCV 580-98670/9 10/26/2011 10:15				CCV 580-98670/15 10/26/2011 10:27			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00376		0.00400	94	0.00492		0.00500	98	0.00506		0.00500	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00010 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00009

Analyte	CCV 580-98670/24 10/26/2011 10:45				CCV 580-98670/36 10/26/2011 11:08				CCV 580-98670/48 10/26/2011 11:32			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00512		0.00500	102	0.00524		0.00500	105	0.00531		0.00500	106

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00010 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00009

Analyte	CCV 580-98670/55 10/26/2011 11:53											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00528		0.00500	106								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00010 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00009

Analyte	ICV 580-98817/7 10/27/2011 10:27				CCV 580-98817/9 10/27/2011 10:33				CCV 580-98817/15 10/27/2011 11:03			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00386		0.00400	97	0.00463		0.00500	93	0.00468		0.00500	94

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00010 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00009

Analyte	CCV 580-98817/27 10/27/2011 11:26				CCV 580-98817/36 10/27/2011 11:44				CCV 580-98817/42 10/27/2011 11:56			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00471		0.00500	94	0.00463		0.00500	93	0.00463		0.00500	93

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00010 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00009

Analyte	CCV 580-98817/53 10/27/2011 12:17											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00465		0.00500	93								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00010 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00009

Analyte	ICV 580-99025/7 10/31/2011 12:50				CCV 580-99025/39 10/31/2011 14:15				CCV 580-99025/51 10/31/2011 14:39			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00439		0.00400	110	0.00528		0.00500	106	0.00553		0.00500	111

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1
 SDG No.: _____
 Method: 6010B Instrument ID: SEA027
 Lab Sample ID: CRI 580-98818/8 Concentration Units: mg/L
 CRQL Check Standard Source: ICP RL_00021

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.0600	0.0682		114	
Barium	0.0100	0.0109		109	
Cadmium	0.0100	0.0106		106	
Chromium	0.0250	0.0280		112	
Lead	0.0300	0.0305		102	
Selenium	0.100	0.112		112	
Silver	0.0200	0.0200		100	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1
 SDG No.: _____
 Method: 6010B Instrument ID: TAC047
 Lab Sample ID: CRI 580-98714/8 Concentration Units: mg/L
 CRQL Check Standard Source: ICP RL_00021

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.0600	0.0631		105	
Barium	0.0100	0.0122		122	
Cadmium	0.0100	0.0107		107	
Chromium	0.0250	0.0263		105	
Lead	0.0300	0.0331		110	
Selenium	0.100	0.108		108	
Silver	0.0200	0.0216		108	

Lab Sample ID: CRI 580-98894/8 Concentration Units: mg/L
 CRQL Check Standard Source: ICP RL_00021

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.0600	0.0646		108	
Barium	0.0100	0.00980	J	98	
Cadmium	0.0100	0.0105		105	
Chromium	0.0250	0.0264		106	
Lead	0.0300	0.0345		115	
Selenium	0.100	0.107		107	
Silver	0.0200	0.0222		111	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-98818/7 10/27/2011 10:29		CCB 580-98818/12 10/27/2011 11:03		CCB 580-98818/24 10/27/2011 12:11		CCB 580-98818/31 10/27/2011 12:50	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.060	0.00708	J	0.00640	J	0.00662	J	0.0110	J
Barium	0.010	ND		ND		ND		ND	
Cadmium	0.010	ND		ND		ND		ND	
Chromium	0.025	ND		ND		ND		ND	
Lead	0.030	ND		ND		ND		ND	
Selenium	0.10	0.0160	J	ND		0.00568	J	ND	
Silver	0.020	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	CCB 580-98818/42 10/27/2011 13:53		CCB 580-98818/50 10/27/2011 14:39		CCB 580-98818/56 10/27/2011 15:13		Found	C
		Found	C	Found	C	Found	C		
Arsenic	0.060	0.00491	J	0.00500	J	0.00765	J		
Barium	0.010	ND		ND		ND			
Cadmium	0.010	ND		ND		ND			
Chromium	0.025	ND		ND		ND			
Lead	0.030	ND		ND		ND			
Selenium	0.10	0.00443	J	0.00926	J	ND			
Silver	0.020	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-98714/7 10/26/2011 10:11		CCB 580-98714/12 10/26/2011 10:53		CCB 580-98714/24 10/26/2011 12:06		CCB 580-98714/29 10/26/2011 12:38	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.060	ND		ND		ND		ND	
Barium	0.010	ND		ND		ND		0.00210	J
Cadmium	0.010	ND		ND		ND		ND	
Chromium	0.025	ND		ND		ND		ND	
Lead	0.030	ND		0.00230	J	ND		ND	
Selenium	0.10	ND		ND		ND		ND	
Silver	0.020	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	CCB 580-98714/41 10/26/2011 13:51		CCB 580-98714/51 10/26/2011 14:54		CCB 580-98714/61 10/26/2011 15:56		Found	C
		Found	C	Found	C	Found	C		
Arsenic	0.060	ND		ND		ND			
Barium	0.010	ND		ND		0.00260	J		
Cadmium	0.010	ND		ND		ND			
Chromium	0.025	ND		ND		ND			
Lead	0.030	ND		ND		ND			
Selenium	0.10	ND		ND		ND			
Silver	0.020	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-98894/7 10/28/2011 08:16		CCB 580-98894/12 10/28/2011 08:51		CCB 580-98894/24 10/28/2011 10:01		Found	C
		Found	C	Found	C	Found	C		
Arsenic	0.060	ND		ND		0.00480	J		
Barium	0.010	ND		ND		ND			
Cadmium	0.010	ND		ND		ND			
Chromium	0.025	ND		ND		ND			
Lead	0.030	ND		ND		ND			
Selenium	0.10	ND		ND		ND			
Silver	0.020	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-98670/8 10/26/2011 10:11		CCB 580-98670/10 10/26/2011 10:17		CCB 580-98670/16 10/26/2011 10:29		CCB 580-98670/25 10/26/2011 10:47	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.00020	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	CCB 580-98670/37 10/26/2011 11:10		CCB 580-98670/49 10/26/2011 11:34		CCB 580-98670/56 10/26/2011 11:55		Found	C
		Found	C	Found	C	Found	C		
Mercury	0.00020	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-98817/8 10/27/2011 10:29		CCB 580-98817/10 10/27/2011 10:35		CCB 580-98817/16 10/27/2011 11:04		CCB 580-98817/28 10/27/2011 11:28	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.00020	ND		ND		ND		0.00000100	J

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	CCB 580-98817/37 10/27/2011 11:46		CCB 580-98817/43 10/27/2011 11:58		CCB 580-98817/54 10/27/2011 12:19		Found	C
		Found	C	Found	C	Found	C		
Mercury	0.00020	ND		ND		0.00000100	J		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-99025/8 10/31/2011 12:52		CCB 580-99025/40 10/31/2011 14:17		CCB 580-99025/52 10/31/2011 14:40		Found	C
		Found	C	Found	C	Found	C		
Mercury	0.00020	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Concentration Units: mg/L Lab Sample ID: MB 580-98076/1-B

Instrument Code: TAC047 Batch No.: 98714

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	0.00370	J		6010B
7440-43-9	Cadmium	ND			6010B
7440-47-3	Chromium	ND			6010B
7439-92-1	Lead	ND			6010B
7782-49-2	Selenium	ND			6010B
7440-22-4	Silver	ND			6010B

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Concentration Units: mg/L Lab Sample ID: MB 580-98088/1-B

Instrument Code: TAC047 Batch No.: 98714

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	0.00440	J		6010B
7440-43-9	Cadmium	ND			6010B
7440-47-3	Chromium	ND			6010B
7439-92-1	Lead	ND			6010B
7782-49-2	Selenium	ND			6010B
7440-22-4	Silver	ND			6010B

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Concentration Units: mg/L Lab Sample ID: MB 580-98531/1-B

Instrument Code: SEA027 Batch No.: 98818

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	0.0115	J		6010B
7440-39-3	Barium	0.00450	J		6010B
7440-43-9	Cadmium	ND			6010B
7440-47-3	Chromium	ND			6010B
7439-92-1	Lead	ND			6010B
7782-49-2	Selenium	0.0104	J		6010B
7440-22-4	Silver	ND			6010B

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Concentration Units: mg/L Lab Sample ID: MB 580-98533/1-B

Instrument Code: SEA027 Batch No.: 98818

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	0.0131	J		6010B
7440-39-3	Barium	0.00406	J		6010B
7440-43-9	Cadmium	ND			6010B
7440-47-3	Chromium	ND			6010B
7439-92-1	Lead	ND			6010B
7782-49-2	Selenium	0.0152	J		6010B
7440-22-4	Silver	ND			6010B

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Concentration Units: mg/L Lab Sample ID: MB 580-98675/1-B

Instrument Code: TAC047 Batch No.: 98894

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	0.00670	J		6010B
7440-39-3	Barium	ND			6010B
7440-43-9	Cadmium	ND			6010B
7440-47-3	Chromium	ND			6010B
7439-92-1	Lead	ND			6010B
7782-49-2	Selenium	ND			6010B
7440-22-4	Silver	ND			6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 580-98567/22-A
Instrument Code: TAC103 Batch No.: 98670

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Concentration Units: mg/L Lab Sample ID: MB 580-98582/8-A

Instrument Code: TAC103 Batch No.: 98670

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Concentration Units: mg/L Lab Sample ID: MB 580-98690/18-A

Instrument Code: TAC103 Batch No.: 98817

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.000640	J		7470A

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Concentration Units: mg/L Lab Sample ID: MB 580-98696/10-A

Instrument Code: TAC103 Batch No.: 98817

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.0000480	J		7470A

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 580-98816/16-A
Instrument Code: TAC103 Batch No.: 99025

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1
 SDG No.: _____
 Lab Sample ID: ICSA 580-98818/9 Instrument ID: SEA027
 Lab File ID: 580-98695-98688.prn ICS Source: ICP ICSA_00037
 Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		0.0051	
Barium		0.0032	
Cadmium		0.0062	
Chromium		-0.0076	
Lead		-0.0231	
Selenium		-0.0257	
Silver		-0.0122	
<i>Aluminum</i>	<i>500</i>	<i>529</i>	<i>106</i>
<i>Calcium</i>	<i>500</i>	<i>495</i>	<i>99</i>
<i>Iron</i>	<i>200</i>	<i>193</i>	<i>96</i>
<i>Magnesium</i>	<i>500</i>	<i>522</i>	<i>104</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1
 SDG No.: _____
 Lab Sample ID: ICSAB 580-98818/10 Instrument ID: SEA027
 Lab File ID: 580-98695-98688.prn ICS Source: ICP ICSAB_00029
 Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	10.0	9.62	96
Barium	3.00	2.72	91
Cadmium	3.00	2.87	96
Chromium	3.00	2.84	95
Lead	10.0	9.40	94
Selenium	5.00	4.82	96
Silver	3.00	3.12	104
<i>Aluminum</i>	<i>500</i>	<i>512</i>	<i>102</i>
<i>Calcium</i>	<i>500</i>	<i>483</i>	<i>97</i>
<i>Iron</i>	<i>200</i>	<i>188</i>	<i>94</i>
<i>Magnesium</i>	<i>500</i>	<i>511</i>	<i>102</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1
 SDG No.: _____
 Lab Sample ID: ICSA 580-98714/9 Instrument ID: TAC047
 Lab File ID: 580-98580-98565.asc ICS Source: ICP ICSA_00037
 Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution A	Solution A	
Arsenic		-0.0106	
Barium		0.0007	
Cadmium		0.0034	
Chromium		0.0016	
Lead		-0.0126	
Selenium		0.0258	
Silver		0.0003	
<i>Aluminum</i>	<i>500</i>	<i>527</i>	<i>105</i>
<i>Antimony</i>		<i>-0.0410</i>	
<i>Beryllium</i>		<i>-0.0002</i>	
<i>Calcium</i>	<i>500</i>	<i>500</i>	<i>100</i>
<i>Copper</i>		<i>0.0158</i>	
<i>Iron</i>	<i>200</i>	<i>199</i>	<i>100</i>
<i>Magnesium</i>	<i>500</i>	<i>513</i>	<i>103</i>
<i>Nickel</i>		<i>0.0054</i>	
<i>Thallium</i>		<i>-0.0027</i>	
<i>Zinc</i>		<i>-0.0283</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1
 SDG No.: _____
 Lab Sample ID: ICSAB 580-98714/10 Instrument ID: TAC047
 Lab File ID: 580-98580-98565.asc ICS Source: ICP ICSAB_00029
 Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	10.0	10.6	106
Barium	3.00	3.04	101
Cadmium	3.00	2.89	96
Chromium	3.00	2.95	98
Lead	10.0	9.44	94
Selenium	5.00	5.23	105
Silver	3.00	3.00	100
<i>Aluminum</i>	<i>500</i>	<i>504</i>	<i>101</i>
<i>Antimony</i>	<i>10.0</i>	<i>10.2</i>	<i>102</i>
<i>Beryllium</i>	<i>1.00</i>	<i>1.01</i>	<i>101</i>
<i>Calcium</i>	<i>500</i>	<i>476</i>	<i>95</i>
<i>Copper</i>	<i>3.00</i>	<i>3.11</i>	<i>104</i>
<i>Iron</i>	<i>200</i>	<i>189</i>	<i>95</i>
<i>Magnesium</i>	<i>500</i>	<i>499</i>	<i>100</i>
<i>Nickel</i>	<i>3.00</i>	<i>3.19</i>	<i>106</i>
<i>Thallium</i>	<i>10.0</i>	<i>10.1</i>	<i>101</i>
<i>Zinc</i>	<i>3.00</i>	<i>2.83</i>	<i>94</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1
 SDG No.: _____
 Lab Sample ID: ICSA 580-98894/9 Instrument ID: TAC047
 Lab File ID: 580-98814.asc ICS Source: ICP ICSA_00037
 Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution A	Solution A	
Arsenic		-0.0052	
Barium		0.0019	
Cadmium		0.0014	
Chromium		0.0016	
Lead		-0.0107	
Selenium		0.0236	
Silver		0.0003	
<i>Aluminum</i>	<i>500</i>	<i>509</i>	<i>102</i>
<i>Antimony</i>		<i>-0.0146</i>	
<i>Beryllium</i>		<i>-0.0003</i>	
<i>Calcium</i>	<i>500</i>	<i>493</i>	<i>99</i>
<i>Copper</i>		<i>0.0150</i>	
<i>Iron</i>	<i>200</i>	<i>195</i>	<i>98</i>
<i>Magnesium</i>	<i>500</i>	<i>506</i>	<i>101</i>
<i>Nickel</i>		<i>0.0046</i>	
<i>Thallium</i>		<i>0.0135</i>	
<i>Zinc</i>		<i>-0.0315</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1
 SDG No.: _____
 Lab Sample ID: ICSAB 580-98894/10 Instrument ID: TAC047
 Lab File ID: 580-98814.asc ICS Source: ICP ICSAB_00029
 Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	10.0	10.3	103
Barium	3.00	3.21	107
Cadmium	3.00	2.82	94
Chromium	3.00	2.90	97
Lead	10.0	9.23	92
Selenium	5.00	5.06	101
Silver	3.00	2.93	98
<i>Aluminum</i>	<i>500</i>	<i>529</i>	<i>106</i>
<i>Antimony</i>	<i>10.0</i>	<i>10.0</i>	<i>100</i>
<i>Beryllium</i>	<i>1.00</i>	<i>1.05</i>	<i>105</i>
<i>Calcium</i>	<i>500</i>	<i>508</i>	<i>102</i>
<i>Copper</i>	<i>3.00</i>	<i>3.04</i>	<i>101</i>
<i>Iron</i>	<i>200</i>	<i>203</i>	<i>101</i>
<i>Magnesium</i>	<i>500</i>	<i>495</i>	<i>99</i>
<i>Nickel</i>	<i>3.00</i>	<i>3.07</i>	<i>102</i>
<i>Thallium</i>	<i>10.0</i>	<i>9.82</i>	<i>98</i>
<i>Zinc</i>	<i>3.00</i>	<i>2.74</i>	<i>91</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-103 MS Lab ID: 580-29313-1 MS
 Lab Name: TestAmerica Seattle Job No.: 580-29313-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/L
 % Solids: _____

Analyte	SSR C	Sample Result (SR) C		Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.75	0.0083	J	4.00	119	50-150		6010B
Barium	4.80	0.68		4.00	103	50-150		6010B
Cadmium	0.108	0.0028	J	0.100	105	50-150		6010B
Chromium	0.411	ND		0.400	103	50-150		6010B
Lead	0.989	0.013	J	1.00	98	50-150		6010B
Selenium	4.74	ND		4.00	119	50-150		6010B
Silver	0.594	ND		0.600	99	50-150		6010B
Mercury	0.0201	ND		0.0200	101	80-120		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-139 MS Lab ID: 580-29313-19 MS
 Lab Name: TestAmerica Seattle Job No.: 580-29313-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/L
 % Solids: _____

Analyte	SSR C	Sample Result (SR) C		Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.65	0.0073	J	4.00	116	50-150		6010B
Barium	4.85	0.70		4.00	104	50-150		6010B
Cadmium	0.111	0.0087	J	0.100	102	50-150		6010B
Chromium	0.407	ND		0.400	102	50-150		6010B
Lead	0.999	0.042		1.00	96	50-150		6010B
Selenium	4.73	ND		4.00	118	50-150		6010B
Silver	0.598	ND		0.600	100	50-150		6010B
Mercury	0.0209	ND		0.0200	105	80-120		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-147 MS Lab ID: 580-29313-23 MS
 Lab Name: TestAmerica Seattle Job No.: 580-29313-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/L
 % Solids: _____

Analyte	SSR C	Sample Result (SR) C		Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.25	0.031	J	4.00	105	50-150		6010B
Barium	4.78	0.88		4.00	97	50-150		6010B
Cadmium	0.105	0.0060	J	0.100	99	50-150		6010B
Chromium	0.415	ND		0.400	104	50-150		6010B
Lead	1.16	0.19		1.00	98	50-150		6010B
Selenium	4.22	0.0093	J	4.00	105	50-150		6010B
Silver	0.656	ND		0.600	109	50-150		6010B
Mercury	0.0195	0.00047	J	0.0200	95	80-120		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TCLP

Client ID: TCLP-151 MS Lab ID: 580-29313-27 MS
Lab Name: TestAmerica Seattle Job No.: 580-29313-1
SDG No.: _____
Matrix: Solid Concentration Units: mg/L
% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.42	0.029 J	4.00	110	50-150		6010B
Barium	4.32	0.50	4.00	96	50-150		6010B
Cadmium	0.104	0.0040 J	0.100	100	50-150		6010B
Chromium	0.406	ND	0.400	101	50-150		6010B
Lead	1.06	0.031	1.00	102	50-150		6010B
Selenium	4.39	0.026 J	4.00	109	50-150		6010B
Silver	0.646	ND	0.600	108	50-150		6010B
Mercury	0.00189	0.000054 J	0.00200	92	80-120		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-158 MS Lab ID: 580-29313-31 MS
 Lab Name: TestAmerica Seattle Job No.: 580-29313-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/L
 % Solids: _____

Analyte	SSR C	Sample Result (SR) C		Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.47	0.018	J	4.00	111	50-150		6010B
Barium	4.53	0.58		4.00	99	50-150		6010B
Cadmium	0.104	0.0035	J	0.100	100	50-150		6010B
Chromium	0.406	ND		0.400	101	50-150		6010B
Lead	0.995	0.053		1.00	94	50-150		6010B
Selenium	4.52	ND		4.00	113	50-150		6010B
Silver	0.586	ND		0.600	98	50-150		6010B
Mercury	0.0221	ND		0.0200	111	80-120		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-103 MSD Lab ID: 580-29313-1 MSD
 Lab Name: TestAmerica Seattle Job No.: 580-29313-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/L
 % Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.73	4.00	118	50-150	0	20		6010B
Barium	4.71	4.00	101	50-150	2	20		6010B
Cadmium	0.107	0.100	104	50-150	1	20		6010B
Chromium	0.407	0.400	102	50-150	1	20		6010B
Lead	0.982	1.00	97	50-150	1	20		6010B
Selenium	4.67	4.00	117	50-150	1	20		6010B
Silver	0.578	0.600	96	50-150	3	20		6010B
Mercury	0.0206	0.0200	103	80-120	2	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-139 MSD

Lab ID: 580-29313-19 MSD

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/L

% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.80	4.00	120	50-150	3	20		6010B
Barium	4.78	4.00	102	50-150	2	20		6010B
Cadmium	0.114	0.100	105	50-150	2	20		6010B
Chromium	0.417	0.400	104	50-150	2	20		6010B
Lead	1.02	1.00	98	50-150	2	20		6010B
Selenium	4.86	4.00	121	50-150	3	20		6010B
Silver	0.605	0.600	101	50-150	1	20		6010B
Mercury	0.0205	0.0200	103	80-120	2	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-147 MSD Lab ID: 580-29313-23 MSD
 Lab Name: TestAmerica Seattle Job No.: 580-29313-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/L
 % Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.45	4.00	110	50-150	5	20		6010B
Barium	4.65	4.00	94	50-150	3	20		6010B
Cadmium	0.106	0.100	100	50-150	1	20		6010B
Chromium	0.403	0.400	101	50-150	3	20		6010B
Lead	1.22	1.00	103	50-150	4	20		6010B
Selenium	4.42	4.00	110	50-150	5	20		6010B
Silver	0.641	0.600	107	50-150	2	20		6010B
Mercury	0.0196	0.0200	95	80-120	0	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-151 MSD Lab ID: 580-29313-27 MSD
 Lab Name: TestAmerica Seattle Job No.: 580-29313-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/L
 % Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.45	4.00	111	50-150	1	20		6010B
Barium	4.44	4.00	98	50-150	3	20		6010B
Cadmium	0.109	0.100	105	50-150	4	20		6010B
Chromium	0.416	0.400	104	50-150	3	20		6010B
Lead	1.06	1.00	103	50-150	0	20		6010B
Selenium	4.44	4.00	110	50-150	1	20		6010B
Silver	0.661	0.600	110	50-150	2	20		6010B
Mercury	0.00180	0.00200	87	80-120	5	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - TCLP

Client ID: TCLP-158 MSD Lab ID: 580-29313-31 MSD
Lab Name: TestAmerica Seattle Job No.: 580-29313-1
SDG No.: _____
Matrix: Solid Concentration Units: mg/L
% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.50	4.00	112	50-150	1	20		6010B
Barium	4.49	4.00	98	50-150	1	20		6010B
Cadmium	0.105	0.100	101	50-150	1	20		6010B
Chromium	0.409	0.400	102	50-150	1	20		6010B
Lead	1.01	1.00	95	50-150	1	20		6010B
Selenium	4.55	4.00	114	50-150	1	20		6010B
Silver	0.587	0.600	98	50-150	0	20		6010B
Mercury	0.0213	0.0200	107	80-120	4	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-103 PDS Lab ID: 580-29313-1 PDS
 Lab Name: TestAmerica Seattle Job No.: 580-29313-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/L

Analyte	SSR C	Sample Result (SR) C		Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.82	0.0083	J	4.00	120			6010B
Barium	4.70	0.68		4.00	100			6010B
Cadmium	0.109	0.0028	J	0.100	106			6010B
Chromium	0.422	ND		0.400	105			6010B
Lead	1.01	0.013	J	1.00	100			6010B
Selenium	4.80	ND		4.00	120			6010B
Silver	0.622	ND		0.600	104			6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-139 PDS

Lab ID: 580-29313-19 PDS

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/L

Analyte	SSR C	Sample Result (SR) C		Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.68	0.0073	J	4.00	117			6010B
Barium	4.67	0.70		4.00	99			6010B
Cadmium	0.113	0.0087	J	0.100	104			6010B
Chromium	0.417	ND		0.400	104			6010B
Lead	1.02	0.042		1.00	98			6010B
Selenium	4.70	ND		4.00	117			6010B
Silver	0.592	ND		0.600	99			6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-147 PDS

Lab ID: 580-29313-23 PDS

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/L

Analyte	SSR C	Sample Result (SR) C		Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	3.43	0.031	J	4.00	85			6010B
Barium	4.84	0.88		4.00	99			6010B
Cadmium	0.111	0.0060	J	0.100	105			6010B
Chromium	0.426	ND		0.400	107			6010B
Lead	1.23	0.19		1.00	104			6010B
Selenium	4.50	0.0093	J	4.00	112			6010B
Silver	0.677	ND		0.600	113			6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-151 PDS

Lab ID: 580-29313-27 PDS

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/L

Analyte	SSR C	Sample Result (SR) C		Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	3.35	0.029	J	4.00	83			6010B
Barium	4.40	0.50		4.00	97			6010B
Cadmium	0.108	0.0040	J	0.100	104			6010B
Chromium	0.420	ND		0.400	105			6010B
Lead	1.07	0.031		1.00	104			6010B
Selenium	4.49	0.026	J	4.00	112			6010B
Silver	0.659	ND		0.600	110			6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-158 PDS

Lab ID: 580-29313-31 PDS

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/L

Analyte	SSR C	Sample Result (SR) C		Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.50	0.018	J	4.00	112			6010B
Barium	4.51	0.58		4.00	98			6010B
Cadmium	0.105	0.0035	J	0.100	102			6010B
Chromium	0.408	ND		0.400	102			6010B
Lead	1.01	0.053		1.00	96			6010B
Selenium	4.59	ND		4.00	115			6010B
Silver	0.524	ND		0.600	87			6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATES
 METALS - TCLP

Client ID: TCLP-103 DU Lab ID: 580-29313-1 DU
 Lab Name: TestAmerica Seattle Job No.: 580-29313-1
 SDG No.: _____
 % Solids for Sample: _____ % Solids for Duplicate: _____
 Matrix: Solid Concentration Units: mg/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Arsenic	0.060	0.0083 J	0.00890 J	7		6010B
Barium	0.010	0.68	0.648	4		6010B
Cadmium	0.010	0.0028 J	0.00280 J	0		6010B
Chromium	0.025	ND	ND	NC		6010B
Lead	0.030	0.013 J	0.0119 J	7		6010B
Selenium	0.10	ND	ND	NC		6010B
Silver	0.020	ND	ND	NC		6010B
Mercury	0.0020	ND	ND	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATES
 METALS - TCLP

Client ID: TCLP-139 DU

Lab ID: 580-29313-19 DU

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG No.: _____

% Solids for Sample: _____

% Solids for Duplicate: _____

Matrix: Solid

Concentration Units: mg/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Arsenic	0.060	0.0073 J	0.00860 J	16		6010B
Barium	0.010	0.70	0.702	0.06		6010B
Cadmium	0.010	0.0087 J	0.00880 J	1		6010B
Chromium	0.025	ND	ND	NC		6010B
Lead	0.030	0.042	0.0434	3		6010B
Selenium	0.10	ND	ND	NC		6010B
Silver	0.020	ND	ND	NC		6010B
Mercury	0.0020	ND	ND	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATES
 METALS - TCLP

Client ID: TCLP-147 DU

Lab ID: 580-29313-23 DU

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG No.: _____

% Solids for Sample: _____

% Solids for Duplicate: _____

Matrix: Solid

Concentration Units: mg/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Arsenic	0.060	0.031 J	0.0304 J	2		6010B
Barium	0.010	0.88	0.862	2		6010B
Cadmium	0.010	0.0060 J	0.00580 J	4		6010B
Chromium	0.025	ND	ND	NC		6010B
Lead	0.030	0.19	0.181	5		6010B
Selenium	0.10	0.0093 J	0.0126 J	29		6010B
Silver	0.020	ND	ND	NC		6010B
Mercury	0.0020	0.00047 J	0.000530 J	12		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATES
 METALS - TCLP

Client ID: TCLP-151 DU

Lab ID: 580-29313-27 DU

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG No.: _____

% Solids for Sample: _____

% Solids for Duplicate: _____

Matrix: Solid

Concentration Units: mg/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Arsenic	0.060	0.029 J	0.0318 J	10		6010B
Barium	0.010	0.50	0.504	0.5		6010B
Cadmium	0.010	0.0040 J	0.00401 J	0.5		6010B
Chromium	0.025	ND	ND	NC		6010B
Lead	0.030	0.031	0.0302	2		6010B
Selenium	0.10	0.026 J	0.0229 J	14		6010B
Silver	0.020	ND	ND	NC		6010B
Mercury	0.00020	0.000054 J	0.0000510 J	6		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATES
 METALS - TCLP

Client ID: TCLP-158 DU

Lab ID: 580-29313-31 DU

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG No.: _____

% Solids for Sample: _____

% Solids for Duplicate: _____

Matrix: Solid

Concentration Units: mg/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Arsenic	0.060	0.018 J	0.0180 J	2		6010B
Barium	0.010	0.58	0.539	7		6010B
Cadmium	0.010	0.0035 J	0.00310 J	12		6010B
Chromium	0.025	ND	ND	NC		6010B
Lead	0.030	0.053	0.0501	6		6010B
Selenium	0.10	ND	ND	NC		6010B
Silver	0.020	ND	ND	NC		6010B
Mercury	0.0020	ND	ND	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 580-98580/9-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: m-GPS-1_00021

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.37		109	80	120		6010B
Barium	4.00	4.12		103	80	120		6010B
Cadmium	0.100	0.102		102	80	120		6010B
Chromium	0.400	0.400		100	80	120		6010B
Lead	1.00	0.967		97	80	120		6010B
Selenium	4.00	4.38		110	80	120		6010B
Silver	0.600	0.566		94	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS

Lab ID: LCS D 580-98580/10-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: m-GPS-1_00021

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.54	4.00	114	80-120	4	20		6010B
Barium	4.13	4.00	103	80-120	0	20		6010B
Cadmium	0.105	0.100	105	80-120	3	20		6010B
Chromium	0.415	0.400	104	80-120	4	20		6010B
Lead	0.995	1.00	100	80-120	3	20		6010B
Selenium	4.54	4.00	113	80-120	3	20		6010B
Silver	0.597	0.600	99	80-120	5	20		6010B

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-98580/11-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: m-GPS-1_00021

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.61		115	80	120		6010B
Barium	4.00	4.07		102	80	120		6010B
Cadmium	0.100	0.106		106	80	120		6010B
Chromium	0.400	0.423		106	80	120		6010B
Lead	1.00	1.00		100	80	120		6010B
Selenium	4.00	4.57		114	80	120		6010B
Silver	0.600	0.597		100	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 580-98565/23-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: m-GPS-1_00021

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.59		115	80	120		6010B
Barium	4.00	4.04		101	80	120		6010B
Cadmium	0.100	0.107		107	80	120		6010B
Chromium	0.400	0.418		105	80	120		6010B
Lead	1.00	1.02		102	80	120		6010B
Selenium	4.00	4.47		112	80	120		6010B
Silver	0.600	0.580		97	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCS D 580-98565/24-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: m-GPS-1_00021

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.61	4.00	115	80-120	0	20		6010B
Barium	4.12	4.00	103	80-120	2	20		6010B
Cadmium	0.107	0.100	107	80-120	1	20		6010B
Chromium	0.417	0.400	104	80-120	0	20		6010B
Lead	1.00	1.00	100	80-120	1	20		6010B
Selenium	4.52	4.00	113	80-120	1	20		6010B
Silver	0.591	0.600	98	80-120	2	20		6010B

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-98565/25-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: m-GPS-1_00021

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.64		116	80	120		6010B
Barium	4.00	4.14		103	80	120		6010B
Cadmium	0.100	0.108		108	80	120		6010B
Chromium	0.400	0.423		106	80	120		6010B
Lead	1.00	1.02		102	80	120		6010B
Selenium	4.00	4.48		112	80	120		6010B
Silver	0.600	0.601		100	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 580-98695/11-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: m-GPS-1_00021

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.19		105	80	120		6010B
Barium	4.00	3.89		97	80	120		6010B
Cadmium	0.100	0.101		101	80	120		6010B
Chromium	0.400	0.405		101	80	120		6010B
Lead	1.00	1.01		101	80	120		6010B
Selenium	4.00	4.13		103	80	120		6010B
Silver	0.600	0.639		107	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCS D 580-98695/12-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: m-GPS-1_00021

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.26	4.00	107	80-120	2	20		6010B
Barium	3.87	4.00	97	80-120	0	20		6010B
Cadmium	0.104	0.100	104	80-120	2	20		6010B
Chromium	0.403	0.400	101	80-120	0	20		6010B
Lead	1.04	1.00	104	80-120	2	20		6010B
Selenium	4.21	4.00	105	80-120	2	20		6010B
Silver	0.634	0.600	106	80-120	1	20		6010B

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-98695/13-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: m-GPS-1_00021

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.35		109	80	120		6010B
Barium	4.00	3.85		96	80	120		6010B
Cadmium	0.100	0.104		104	80	120		6010B
Chromium	0.400	0.402		100	80	120		6010B
Lead	1.00	1.03		103	80	120		6010B
Selenium	4.00	4.29		107	80	120		6010B
Silver	0.600	0.640		107	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 580-98688/24-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: m-GPS-1_00021

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.28		107	80	120		6010B
Barium	4.00	3.95		99	80	120		6010B
Cadmium	0.100	0.103		103	80	120		6010B
Chromium	0.400	0.414		103	80	120		6010B
Lead	1.00	1.02		102	80	120		6010B
Selenium	4.00	4.21		105	80	120		6010B
Silver	0.600	0.649		108	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCS D 580-98688/25-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: m-GPS-1_00021

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.40	4.00	110	80-120	3	20		6010B
Barium	3.97	4.00	99	80-120	1	20		6010B
Cadmium	0.106	0.100	106	80-120	3	20		6010B
Chromium	0.417	0.400	104	80-120	1	20		6010B
Lead	1.05	1.00	105	80-120	3	20		6010B
Selenium	4.35	4.00	109	80-120	3	20		6010B
Silver	0.650	0.600	108	80-120	0	20		6010B

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-98688/26-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: m-GPS-1_00021

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.28		107	80	120		6010B
Barium	4.00	3.81		95	80	120		6010B
Cadmium	0.100	0.102		102	80	120		6010B
Chromium	0.400	0.400		100	80	120		6010B
Lead	1.00	1.01		101	80	120		6010B
Selenium	4.00	4.24		106	80	120		6010B
Silver	0.600	0.629		105	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 580-98814/24-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: m-GPS-1_00021

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.42		110	80	120		6010B
Barium	4.00	4.10		103	80	120		6010B
Cadmium	0.100	0.102		102	80	120		6010B
Chromium	0.400	0.407		102	80	120		6010B
Lead	1.00	0.968		97	80	120		6010B
Selenium	4.00	4.44		111	80	120		6010B
Silver	0.600	0.577		96	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCS D 580-98814/25-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: m-GPS-1_00021

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.26	4.00	107	80-120	4	20		6010B
Barium	3.85	4.00	96	80-120	6	20		6010B
Cadmium	0.0987	0.100	99	80-120	3	20		6010B
Chromium	0.392	0.400	98	80-120	4	20		6010B
Lead	0.940	1.00	94	80-120	3	20		6010B
Selenium	4.25	4.00	106	80-120	4	20		6010B
Silver	0.554	0.600	92	80-120	4	20		6010B

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-98814/26-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: m-GPS-1_00021

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.32		108	80	120		6010B
Barium	4.00	3.97		99	80	120		6010B
Cadmium	0.100	0.0997		100	80	120		6010B
Chromium	0.400	0.399		100	80	120		6010B
Lead	1.00	0.948		95	80	120		6010B
Selenium	4.00	4.33		108	80	120		6010B
Silver	0.600	0.572		95	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 580-98582/9-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00009

Analyte	Water (mg/L)						
	True	Found	C	%R	Limits	Q	Method
Mercury	0.0200	0.0202		101	80 120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS

Lab ID: LCSD 580-98582/10-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00009

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.0200	0.0200	100	80-120	1	20		7470A

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-98582/11-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00009

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.0200	0.0199		99	75	125		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 580-98567/23-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00009

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.0200	0.0211		105	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS

Lab ID: LCSD 580-98567/24-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00009

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.0207	0.0200	104	80-120	2	20		7470A

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-98567/25-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00009

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.0200	0.0208		104	75	125		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 580-98690/19-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00009

Analyte	Water (mg/L)						
	True	Found	C	%R	Limits	Q	Method
Mercury	0.0200	0.0199		99	80 120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS

Lab ID: LCSD 580-98690/20-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00009

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.0195	0.0200	97	80-120	2	20		7470A

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-98690/21-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00009

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.0200	0.0196		98	75	125		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 580-98696/11-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00009

Analyte	Water (mg/L)						
	True	Found	C	%R	Limits	Q	Method
Mercury	0.00200	0.00189		95	80 120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS

Lab ID: LCSD 580-98696/12-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00009

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.00185	0.00200	93	80-120	2	20		7470A

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-98696/13-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00009

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.00200	0.00183		91	75	125		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 580-98816/17-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00009

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.0200	0.0223		111	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS

Lab ID: LCSD 580-98816/18-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00009

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.0220	0.0200	110	80-120	1	20		7470A

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-98816/19-A

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00009

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.0200	0.0222		111	75	125		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS - TCLP

Lab ID: 580-29313-1

SDG No: _____

Lab Name: TestAmerica Seattle

Job No: 580-29313-1

Matrix: Solid

Concentration Units: mg/L

Analyte	Initial Sample		Serial		% Difference	Q	Method
	Result (I)	C	Result (S)	C			
Arsenic	0.0083	J	ND		NC		6010B
Barium	0.68		0.675		0.41		6010B
Cadmium	0.0028	J	ND		NC		6010B
Chromium	ND		ND		NC		6010B
Lead	0.013	J	0.0110	J	NC		6010B
Selenium	ND		ND		NC		6010B
Silver	ND		ND		NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS - TCLP

Lab ID: 580-29313-19

SDG No: _____

Lab Name: TestAmerica Seattle

Job No: 580-29313-1

Matrix: Solid

Concentration Units: mg/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	Method
Arsenic	0.0073 J	ND	NC		6010B
Barium	0.70	0.683	2.8		6010B
Cadmium	0.0087 J	0.00900 J	NC		6010B
Chromium	ND	ND	NC		6010B
Lead	0.042	0.0390 J	NC		6010B
Selenium	ND	ND	NC		6010B
Silver	ND	ND	NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS - TCLP

Lab ID: 580-29313-23

SDG No:

Lab Name: TestAmerica Seattle

Job No: 580-29313-1

Matrix: Solid

Concentration Units: mg/L

Analyte	Initial Sample		Serial		% Difference	Q	Method
	Result (I)	C	Result (S)	C			
Arsenic	0.031	J	0.0621	J	NC		6010B
Barium	0.88		0.899		1.8		6010B
Cadmium	0.0060	J	ND		NC		6010B
Chromium	ND		ND		NC		6010B
Lead	0.19		0.190		0.07		6010B
Selenium	0.0093	J	0.0247	J	NC		6010B
Silver	ND		ND		NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS - TCLP

Lab ID: 580-29313-27

SDG No: _____

Lab Name: TestAmerica Seattle

Job No: 580-29313-1

Matrix: Solid

Concentration Units: mg/L

Analyte	Initial Sample		Serial		% Difference	Q	Method
	Result (I)	C	Dilution	Result (S)			
Arsenic	0.029	J	0.0625	J	NC		6010B
Barium	0.50		0.511		2.0		6010B
Cadmium	0.0040	J	ND		NC		6010B
Chromium	ND		ND		NC		6010B
Lead	0.031		0.0336	J	NC		6010B
Selenium	0.026	J	0.0825	J	NC		6010B
Silver	ND		ND		NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS - TCLP

Lab ID: 580-29313-31

SDG No: _____

Lab Name: TestAmerica Seattle

Job No: 580-29313-1

Matrix: Solid

Concentration Units: mg/L

Analyte	Initial Sample		Serial		% Difference	Q	Method
	Result (I)	C	Result (S)	C			
Arsenic	0.018	J	0.0320	J	NC		6010B
Barium	0.58		0.576		0.88		6010B
Cadmium	0.0035	J	ND		NC		6010B
Chromium	ND		ND		NC		6010B
Lead	0.053		0.0580	J	NC		6010B
Selenium	ND		ND		NC		6010B
Silver	ND		ND		NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle Job Number: 580-29313-1
SDG Number: _____
Matrix: Solid Instrument ID: SEA027
Method: 6010B MDL Date: 08/16/2011 10:50
Prep Method: 3010A
Leach Method: 1311

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Arsenic		0.06	0.0047
Barium		0.01	0.002
Cadmium		0.01	0.0015
Chromium		0.025	0.0033
Lead		0.03	0.0021
Selenium		0.1	0.0042
Silver		0.02	0.0085

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle Job Number: 580-29313-1
SDG Number: _____
Matrix: Solid Instrument ID: SEA027
Method: 6010B XMDL Date: 11/02/2010 08:29

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Arsenic		0.06	0.0047
Barium		0.01	0.002
Cadmium		0.01	0.0015
Chromium		0.025	0.0033
Lead		0.03	0.0021
Selenium		0.1	0.0042
Silver		0.02	0.0085

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle Job Number: 580-29313-1
SDG Number: _____
Matrix: Solid Instrument ID: TAC047
Method: 6010B MDL Date: 08/16/2011 10:50
Prep Method: 3010A
Leach Method: 1311

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Arsenic		0.06	0.0047
Barium		0.01	0.002
Cadmium		0.01	0.0015
Chromium		0.025	0.0033
Lead		0.03	0.0021
Selenium		0.1	0.0042
Silver		0.02	0.0085

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle Job Number: 580-29313-1
SDG Number: _____
Matrix: Solid Instrument ID: TAC047
Method: 6010B XMDL Date: 11/02/2010 08:29

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Arsenic		0.06	0.0047
Barium		0.01	0.002
Cadmium		0.01	0.0015
Chromium		0.025	0.0033
Lead		0.03	0.0021
Selenium		0.1	0.0042
Silver		0.02	0.0085

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle Job Number: 580-29313-1
SDG Number: _____
Matrix: Solid Instrument ID: TAC103
Method: 7470A MDL Date: 06/06/2011 08:34
Prep Method: 7470A
Leach Method: 1311

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Mercury		0.0002	0.000041

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle Job Number: 580-29313-1
SDG Number: _____
Matrix: Solid Instrument ID: TAC103
Method: 7470A XMDL Date: 10/02/2008 10:39

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (ug/L)
Mercury		0.0002	0.000041

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Seattle

Job No: 580-29313-1

SDG No.: _____

Instrument ID: SEA027

Date: 12/03/2010 07:40

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Arsenic		125	6010B
Barium		62.5	6010B
Cadmium		50	6010B
Chromium		50	6010B
Lead		62.5	6010B
Selenium		125	6010B
Silver		10	6010B

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Seattle

Job No: 580-29313-1

SDG No.: _____

Instrument ID: TAC047

Date: 12/03/2010 07:34

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Arsenic		125	6010B
Barium		125	6010B
Cadmium		25	6010B
Chromium		50	6010B
Lead		125	6010B
Selenium		125	6010B
Silver		20	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-29313-1	10/25/2011 16:06	98565		50	50
580-29313-1 DU	10/25/2011 16:06	98565		50	50
580-29313-1 MS	10/25/2011 16:06	98565		50	50
580-29313-1 MSD	10/25/2011 16:06	98565		50	50
580-29313-3	10/25/2011 16:06	98565		5	50
580-29313-4	10/25/2011 16:06	98565		50	50
580-29313-5	10/25/2011 16:06	98565		50	50
580-29313-6	10/25/2011 16:06	98565		50	50
580-29313-7	10/25/2011 16:06	98565		50	50
580-29313-8	10/25/2011 16:06	98565		50	50
580-29313-9	10/25/2011 16:06	98565		50	50
580-29313-10	10/25/2011 16:06	98565		50	50
580-29313-11	10/25/2011 16:06	98565		50	50
580-29313-12	10/25/2011 16:06	98565		50	50
580-29313-13	10/25/2011 16:06	98565		50	50
580-29313-14	10/25/2011 16:06	98565		50	50
580-29313-15	10/25/2011 16:06	98565		50	50
580-29313-16	10/25/2011 16:06	98565		50	50
580-29313-17	10/25/2011 16:06	98565		50	50
580-29313-18	10/25/2011 16:06	98565		50	50
MB 580-98076/1-B	10/25/2011 16:06	98565		50	50
LCS 580-98565/23-A	10/25/2011 16:06	98565		50	50
LCSD 580-98565/24-A	10/25/2011 16:06	98565		50	50
LCSSRM 580-98565/25-A	10/25/2011 16:06	98565		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-29313-19	10/25/2011 16:58	98580		50	50
580-29313-19 DU	10/25/2011 16:58	98580		50	50
580-29313-19 MS	10/25/2011 16:58	98580		50	50
580-29313-19 MSD	10/25/2011 16:58	98580		50	50
580-29313-20	10/25/2011 16:58	98580		50	50
580-29313-21	10/25/2011 16:58	98580		50	50
580-29313-22	10/25/2011 16:58	98580		50	50
MB 580-98088/1-B	10/25/2011 16:58	98580		50	50
LCS 580-98580/9-A	10/25/2011 16:58	98580		50	50
LCSD 580-98580/10-A	10/25/2011 16:58	98580		50	50
LCSSRM 580-98580/11-A	10/25/2011 16:58	98580		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-29313-23	10/26/2011 16:00	98688		50	50
580-29313-23 DU	10/26/2011 16:00	98688		50	50
580-29313-23 MS	10/26/2011 16:00	98688		50	50
580-29313-23 MSD	10/26/2011 16:00	98688		50	50
580-29313-2	10/26/2011 16:00	98688		50	50
580-29313-24	10/26/2011 16:00	98688		50	50
580-29313-25	10/26/2011 16:00	98688		50	50
580-29313-26	10/26/2011 16:00	98688		50	50
MB 580-98531/1-B	10/26/2011 16:00	98688		50	50
LCS 580-98688/24-A	10/26/2011 16:00	98688		50	50
LCSD 580-98688/25-A	10/26/2011 16:00	98688		50	50
LCSSRM 580-98688/26-A	10/26/2011 16:00	98688		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-29313-27	10/26/2011 18:00	98695		50	50
580-29313-27 DU	10/26/2011 18:00	98695		50	50
580-29313-27 MS	10/26/2011 18:00	98695		50	50
580-29313-27 MSD	10/26/2011 18:00	98695		50	50
580-29313-28	10/26/2011 18:00	98695		50	50
580-29313-29	10/26/2011 18:00	98695		50	50
580-29313-30	10/26/2011 18:00	98695		50	50
MB 580-98533/1-B	10/26/2011 18:00	98695		50	50
LCS 580-98695/11-A	10/26/2011 18:00	98695		50	50
LCSD 580-98695/12-A	10/26/2011 18:00	98695		50	50
LCSSRM 580-98695/13-A	10/26/2011 18:00	98695		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-29313-31	10/27/2011 15:34	98814		50	50
580-29313-31 DU	10/27/2011 15:34	98814		50	50
580-29313-31 MS	10/27/2011 15:34	98814		50	50
580-29313-31 MSD	10/27/2011 15:34	98814		50	50
MB 580-98675/1-B	10/27/2011 15:34	98814		50	50
LCS 580-98814/24-A	10/27/2011 15:34	98814		50	50
LCSD 580-98814/25-A	10/27/2011 15:34	98814		50	50
LCSSRM 580-98814/26-A	10/27/2011 15:34	98814		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-29313-1	10/25/2011 16:11	98567		5	50
580-29313-1 DU	10/25/2011 16:11	98567		5	50
580-29313-1 MS	10/25/2011 16:11	98567		5	50
580-29313-1 MSD	10/25/2011 16:11	98567		5	50
580-29313-3	10/25/2011 16:11	98567		5	50
580-29313-4	10/25/2011 16:11	98567		5	50
580-29313-5	10/25/2011 16:11	98567		5	50
580-29313-6	10/25/2011 16:11	98567		5	50
580-29313-7	10/25/2011 16:11	98567		5	50
580-29313-8	10/25/2011 16:11	98567		5	50
580-29313-9	10/25/2011 16:11	98567		5	50
580-29313-10	10/25/2011 16:11	98567		5	50
580-29313-11	10/25/2011 16:11	98567		5	50
580-29313-12	10/25/2011 16:11	98567		5	50
580-29313-13	10/25/2011 16:11	98567		5	50
580-29313-14	10/25/2011 16:11	98567		5	50
580-29313-15	10/25/2011 16:11	98567		5	50
580-29313-16	10/25/2011 16:11	98567		5	50
580-29313-17	10/25/2011 16:11	98567		5	50
580-29313-18	10/25/2011 16:11	98567		5	50
MB 580-98567/22-A	10/25/2011 16:11	98567		5	50
LCS 580-98567/23-A	10/25/2011 16:11	98567		5	50
LCSD 580-98567/24-A	10/25/2011 16:11	98567		5	50
LCSSRM 580-98567/25-A	10/25/2011 16:11	98567		5	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-29313-19	10/25/2011 17:04	98582		5	50
580-29313-19 DU	10/25/2011 17:04	98582		5	50
580-29313-19 MS	10/25/2011 17:04	98582		5	50
580-29313-19 MSD	10/25/2011 17:04	98582		5	50
580-29313-20	10/25/2011 17:04	98582		5	50
580-29313-21	10/25/2011 17:04	98582		5	50
580-29313-22	10/25/2011 17:04	98582		5	50
MB 580-98582/8-A	10/25/2011 17:04	98582		5	50
LCS 580-98582/9-A	10/25/2011 17:04	98582		5	50
LCSD 580-98582/10-A	10/25/2011 17:04	98582		5	50
LCSSRM 580-98582/11-A	10/25/2011 17:04	98582		5	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-29313-23	10/26/2011 17:06	98690		5	50
580-29313-23 DU	10/26/2011 17:06	98690		5	50
580-29313-23 MS	10/26/2011 17:06	98690		5	50
580-29313-23 MSD	10/26/2011 17:06	98690		5	50
580-29313-2	10/26/2011 17:06	98690		5	50
580-29313-24	10/26/2011 17:06	98690		5	50
580-29313-25	10/26/2011 17:06	98690		5	50
580-29313-26	10/26/2011 17:06	98690		5	50
MB 580-98690/18-A	10/26/2011 17:06	98690		5	50
LCS 580-98690/19-A	10/26/2011 17:06	98690		5	50
LCSD 580-98690/20-A	10/26/2011 17:06	98690		5	50
LCSSRM 580-98690/21-A	10/26/2011 17:06	98690		5	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-29313-27	10/26/2011 18:05	98696		50	50
580-29313-27 DU	10/26/2011 18:05	98696		50	50
580-29313-27 MS	10/26/2011 18:05	98696		50	50
580-29313-27 MSD	10/26/2011 18:05	98696		50	50
580-29313-28	10/26/2011 18:05	98696		50	50
580-29313-29	10/26/2011 18:05	98696		50	50
580-29313-30	10/26/2011 18:05	98696		50	50
MB 580-98696/10-A	10/26/2011 18:05	98696		50	50
LCS 580-98696/11-A	10/26/2011 18:05	98696		50	50
LCSD 580-98696/12-A	10/26/2011 18:05	98696		50	50
LCSSRM 580-98696/13-A	10/26/2011 18:05	98696		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-29313-31	10/27/2011 16:07	98816		5	50
580-29313-31 DU	10/27/2011 16:07	98816		5	50
580-29313-31 MS	10/27/2011 16:07	98816		5	50
580-29313-31 MSD	10/27/2011 16:07	98816		5	50
MB 580-98816/16-A	10/27/2011 16:07	98816		5	50
LCS 580-98816/17-A	10/27/2011 16:07	98816		5	50
LCSD 580-98816/18-A	10/27/2011 16:07	98816		5	50
LCSSRM 580-98816/19-A	10/27/2011 16:07	98816		5	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Instrument ID: SEA027 Method: 6010B

Start Date: 10/27/2011 09:56 End Date: 10/27/2011 15:13

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
STD0 580-98818/1 IC			09:56	X	X	X	X	X	X	X									
STD1 580-98818/2 IC			10:01	X	X	X	X	X	X	X									
STD2 580-98818/3 IC			10:07	X	X	X	X	X	X	X									
STD3 580-98818/4 IC			10:13	X	X	X	X	X	X	X									
STD4 580-98818/5 IC			10:18	X	X	X	X	X	X	X									
ICV 580-98818/6	1		10:23	X	X	X	X	X	X	X									
ICB 580-98818/7	1		10:29	X	X	X	X	X	X	X									
CRI 580-98818/8	1		10:35	X	X	X	X	X	X	X									
ICSA 580-98818/9	1		10:45	X	X	X	X	X	X	X									
ICSAB 580-98818/10	1		10:51	X	X	X	X	X	X	X									
CCV 580-98818/11	1		10:57	X	X	X	X	X	X	X									
CCB 580-98818/12	1		11:03	X	X	X	X	X	X	X									
MB 580-98533/1-B	1	P	11:08	X	X	X	X	X	X	X									
LCS 580-98695/11-A	1	T	11:14	X	X	X	X	X	X	X									
LCSD 580-98695/12-A	1	T	11:19	X	X	X	X	X	X	X									
LCSSRM 580-98695/13-A	1	T	11:25	X	X	X	X	X	X	X									
580-29313-27 SD	5	P	11:31	X	X	X	X	X	X	X									
580-29313-27	1	P	11:36	X	X	X	X	X	X	X									
580-29313-27 DU	1	P	11:42	X	X	X	X	X	X	X									
580-29313-27 MS	1	P	11:48	X	X	X	X	X	X	X									
580-29313-27 MSD	1	P	11:54	X	X	X	X	X	X	X									
580-29313-27 PDS	1	P	11:59	X	X	X	X	X	X	X									
CCV 580-98818/23	1		12:05	X	X	X	X	X	X	X									
CCB 580-98818/24	1		12:11	X	X	X	X	X	X	X									
580-29313-28	1	P	12:16	X	X	X	X	X	X	X									
580-29313-29	1	P	12:22	X	X	X	X	X	X	X									
580-29313-30	1	P	12:28	X	X	X	X	X	X	X									
ZZZZZZ			12:34																
ZZZZZZ			12:39																
CCV 580-98818/30	1		12:45	X	X	X	X	X	X	X									
CCB 580-98818/31	1		12:50	X	X	X	X	X	X	X									
MB 580-98531/1-B	1	P	12:56	X	X	X	X	X	X	X									
LCS 580-98688/24-A	1	T	13:02	X	X	X	X	X	X	X									
LCSD 580-98688/25-A	1	T	13:07	X	X	X	X	X	X	X									
LCSSRM 580-98688/26-A	1	T	13:13	X	X	X	X	X	X	X									
ZZZZZZ			13:19																
ZZZZZZ			13:25																
ZZZZZZ			13:30																
ZZZZZZ			13:36																
ZZZZZZ			13:42																
CCV 580-98818/41	1		13:47	X	X	X	X	X	X	X									
CCB 580-98818/42	1		13:53	X	X	X	X	X	X	X									

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Instrument ID: SEA027 Method: 6010B

Start Date: 10/27/2011 09:56 End Date: 10/27/2011 15:13

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
580-29313-23 SD	5	P	13:59	X	X	X	X	X	X	X									
580-29313-23	1	P	14:04	X	X	X	X	X	X	X									
580-29313-23 DU	1	P	14:10	X	X	X	X	X	X	X									
580-29313-23 MS	1	P	14:16	X	X	X	X	X	X	X									
580-29313-23 MSD	1	P	14:21	X	X	X	X	X	X	X									
580-29313-23 PDS	1	P	14:27	X	X	X	X	X	X	X									
CCV 580-98818/49	1		14:33	X	X	X	X	X	X	X									
CCB 580-98818/50	1		14:39	X	X	X	X	X	X	X									
580-29313-2	1	P	14:44	X	X	X	X	X	X	X									
580-29313-24	1	P	14:50	X	X	X	X	X	X	X									
580-29313-25	1	P	14:56	X	X	X	X	X	X	X									
580-29313-26	1	P	15:01	X	X	X	X	X	X	X									
CCV 580-98818/55	1		15:07	X	X	X	X	X	X	X									
CCB 580-98818/56	1		15:13	X	X	X	X	X	X	X									

Prep Types

P = TCLP

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Instrument ID: TAC047 Method: 6010B

Start Date: 10/26/2011 09:34 End Date: 10/26/2011 15:56

Lab Sample ID	D / F	Type	Time	Analytes																
				A g	A s	B a	C d	C r	P b	S e										
STD0 580-98714/1 IC			09:34	X	X	X	X	X	X	X	X									
STD1 580-98714/2 IC			09:40	X	X	X	X	X	X	X	X									
STD2 580-98714/3 IC			09:46	X	X	X	X	X	X	X	X									
STD3 580-98714/4 IC			09:52	X	X	X	X	X	X	X	X									
STD4 580-98714/5 IC			09:57	X	X	X	X	X	X	X	X									
ICV 580-98714/6	1		10:03	X	X	X	X	X	X	X	X									
ICB 580-98714/7	1		10:11	X	X	X	X	X	X	X	X									
CRI 580-98714/8	1		10:17	X	X	X	X	X	X	X	X									
ICSA 580-98714/9	1		10:33	X	X	X	X	X	X	X	X									
ICSAB 580-98714/10	1		10:42	X	X	X	X	X	X	X	X									
CCV 580-98714/11	1		10:48	X	X	X	X	X	X	X	X									
CCB 580-98714/12	1		10:53	X	X	X	X	X	X	X	X									
MB 580-98088/1-B	1	P	10:59	X	X	X	X	X	X	X	X									
LCS 580-98580/9-A	1	T	11:05	X	X	X	X	X	X	X	X									
LCSD 580-98580/10-A	1	T	11:11	X	X	X	X	X	X	X	X									
LCSSRM 580-98580/11-A	1	T	11:17	X	X	X	X	X	X	X	X									
580-29313-19 SD	5	P	11:23	X	X	X	X	X	X	X	X									
580-29313-19	1	P	11:28	X	X	X	X	X	X	X	X									
580-29313-19 DU	1	P	11:35	X	X	X	X	X	X	X	X									
580-29313-19 MS	1	P	11:41	X	X	X	X	X	X	X	X									
580-29313-19 MSD	1	P	11:46	X	X	X	X	X	X	X	X									
580-29313-19 PDS	1	P	11:52	X	X	X	X	X	X	X	X									
CCV 580-98714/23	1		11:58	X	X	X	X	X	X	X	X									
CCB 580-98714/24	1		12:06	X	X	X	X	X	X	X	X									
580-29313-20	1	P	12:12	X	X	X	X	X	X	X	X									
580-29313-21	1	P	12:18	X	X	X	X	X	X	X	X									
580-29313-22	1	P	12:24	X	X	X	X	X	X	X	X									
CCV 580-98714/28	1		12:30	X	X	X	X	X	X	X	X									
CCB 580-98714/29	1		12:38	X	X	X	X	X	X	X	X									
MB 580-98076/1-B	1	P	12:44	X	X	X	X	X	X	X	X									
LCS 580-98565/23-A	1	T	12:50	X	X	X	X	X	X	X	X									
LCSD 580-98565/24-A	1	T	12:56	X	X	X	X	X	X	X	X									
LCSSRM 580-98565/25-A	1	T	13:02	X	X	X	X	X	X	X	X									
580-29313-1 SD	5	P	13:08	X	X	X	X	X	X	X	X									
580-29313-1	1	P	13:14	X	X	X	X	X	X	X	X									
580-29313-1 DU	1	P	13:20	X	X	X	X	X	X	X	X									
580-29313-1 MS	1	P	13:26	X	X	X	X	X	X	X	X									
580-29313-1 MSD	1	P	13:31	X	X	X	X	X	X	X	X									
580-29313-1 PDS	1	P	13:37	X	X	X	X	X	X	X	X									
CCV 580-98714/40	1		13:43	X	X	X	X	X	X	X	X									
CCB 580-98714/41	1		13:51	X	X	X	X	X	X	X	X									
580-29313-3	1	P	13:57	X	X	X	X	X	X	X	X									

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Instrument ID: TAC047 Method: 6010B

Start Date: 10/26/2011 09:34 End Date: 10/26/2011 15:56

Lab Sample ID	D / F	Type	Time	Analytes																
				A g	A s	B a	C d	C r	P b	S e										
580-29313-4	1	P	14:03	X	X	X	X	X	X	X										
580-29313-5	1	P	14:09	X	X	X	X	X	X	X										
580-29313-6	1	P	14:15	X	X	X	X	X	X	X										
580-29313-7	1	P	14:21	X	X	X	X	X	X	X										
580-29313-8	1	P	14:27	X	X	X	X	X	X	X										
580-29313-9	1	P	14:34	X	X	X	X	X	X	X										
580-29313-10	1	P	14:40	X	X	X	X	X	X	X										
CCV 580-98714/50	1		14:46	X	X	X	X	X	X	X										
CCB 580-98714/51	1		14:54	X	X	X	X	X	X	X										
580-29313-11	1	P	15:00	X	X	X	X	X	X	X										
580-29313-12	1	P	15:06	X	X	X	X	X	X	X										
580-29313-13	1	P	15:12	X	X	X	X	X	X	X										
580-29313-14	1	P	15:18	X	X	X	X	X	X	X										
580-29313-15	1	P	15:24	X	X	X	X	X	X	X										
580-29313-16	1	P	15:30	X	X	X	X	X	X	X										
580-29313-17	1	P	15:36	X	X	X	X	X	X	X										
580-29313-18	1	P	15:42	X	X	X	X	X	X	X										
CCV 580-98714/60	1		15:48	X	X	X	X	X	X	X										
CCB 580-98714/61	1		15:56	X	X	X	X	X	X	X										

Prep Types

P = TCLP

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Instrument ID: TAC047 Method: 6010B

Start Date: 10/28/2011 07:39 End Date: 10/28/2011 12:26

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
STD0 580-98894/1 IC			07:39	X	X	X	X	X	X	X									
STD1 580-98894/2 IC			07:45	X	X	X	X	X	X	X									
STD2 580-98894/3 IC			07:51	X	X	X	X	X	X	X									
STD3 580-98894/4 IC			07:56	X	X	X	X	X	X	X									
STD4 580-98894/5 IC			08:02	X	X	X	X	X	X	X									
ICV 580-98894/6	1		08:07	X	X	X	X	X	X	X									
ICB 580-98894/7	1		08:16	X	X	X	X	X	X	X									
CRI 580-98894/8	1		08:22	X	X	X	X	X	X	X									
ICSA 580-98894/9	1		08:33	X	X	X	X	X	X	X									
ICSAB 580-98894/10	1		08:39	X	X	X	X	X	X	X									
CCV 580-98894/11	1		08:45	X	X	X	X	X	X	X									
CCB 580-98894/12	1		08:51	X	X	X	X	X	X	X									
MB 580-98675/1-B	1	P	08:57	X	X	X	X	X	X	X									
LCS 580-98814/24-A	1	T	09:03	X	X	X	X	X	X	X									
LCSD 580-98814/25-A	1	T	09:09	X	X	X	X	X	X	X									
LCSSRM 580-98814/26-A	1	T	09:14	X	X	X	X	X	X	X									
580-29313-31 SD	5	P	09:20	X	X	X	X	X	X	X									
580-29313-31	1	P	09:26	X	X	X	X	X	X	X									
580-29313-31 DU	1	P	09:32	X	X	X	X	X	X	X									
580-29313-31 MS	1	P	09:38	X	X	X	X	X	X	X									
580-29313-31 MSD	1	P	09:44	X	X	X	X	X	X	X									
580-29313-31 PDS	1	P	09:50	X	X	X	X	X	X	X									
CCV 580-98894/23	1		09:56	X	X	X	X	X	X	X									
CCB 580-98894/24	1		10:01	X	X	X	X	X	X	X									
ZZZZZZ			10:07																
ZZZZZZ			10:13																
ZZZZZZ			10:19																
ZZZZZZ			10:26																
ZZZZZZ			10:32																
ZZZZZZ			10:38																
ZZZZZZ			10:44																
ZZZZZZ			10:50																
ZZZZZZ			10:56																
ZZZZZZ			11:02																
CCV 580-98894/35			11:08																
CCB 580-98894/36			11:14																
ZZZZZZ			11:20																
ZZZZZZ			11:26																
ZZZZZZ			11:32																
ZZZZZZ			11:38																
ZZZZZZ			11:44																
ZZZZZZ			11:50																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Instrument ID: TAC047 Method: 6010B

Start Date: 10/28/2011 07:39 End Date: 10/28/2011 12:26

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			11:56																
ZZZZZZ			12:03																
ZZZZZZ			12:09																
ZZZZZZ			12:15																
CCV 580-98894/47			12:21																
CCB 580-98894/48			12:26																

Prep Types

P = TCLP

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Instrument ID: TAC103 Method: 7470A

Start Date: 10/26/2011 09:57 End Date: 10/26/2011 14:25

Lab Sample ID	D / F	T y p e	Time	Analytes																
				H g																
STD0 580-98670/1 IC			09:57	X																
STD1 580-98670/2 IC			09:59	X																
STD2 580-98670/3 IC			10:01	X																
STD3 580-98670/4 IC			10:03	X																
STD4 580-98670/5 IC			10:05	X																
STD5 580-98670/6 IC			10:07	X																
ICV 580-98670/7	1		10:09	X																
ICB 580-98670/8	1		10:11	X																
CCV 580-98670/9	1		10:15	X																
CCB 580-98670/10	1		10:17	X																
MB 580-98582/8-A	1	T	10:19	X																
LCS 580-98582/9-A	1	T	10:21	X																
LCSD 580-98582/10-A	1	T	10:23	X																
LCSSRM 580-98582/11-A	1	T	10:25	X																
CCV 580-98670/15	1		10:27	X																
CCB 580-98670/16	1		10:29	X																
580-29313-19	1	P	10:31	X																
580-29313-19 DU	1	P	10:33	X																
580-29313-19 MS	1	P	10:35	X																
580-29313-19 MSD	1	P	10:37	X																
580-29313-20	1	P	10:39	X																
580-29313-21	1	P	10:41	X																
580-29313-22	1	P	10:43	X																
CCV 580-98670/24	1		10:45	X																
CCB 580-98670/25	1		10:47	X																
MB 580-98567/22-A	1	T	10:49	X																
LCS 580-98567/23-A	1	T	10:51	X																
LCSD 580-98567/24-A	1	T	10:53	X																
LCSSRM 580-98567/25-A	1	T	10:55	X																
580-29313-1	1	P	10:57	X																
580-29313-1 DU	1	P	10:59	X																
580-29313-1 MS	1	P	11:00	X																
580-29313-1 MSD	1	P	11:02	X																
580-29313-3	1	P	11:04	X																
580-29313-4	1	P	11:06	X																
CCV 580-98670/36	1		11:08	X																
CCB 580-98670/37	1		11:10	X																
580-29313-5	1	P	11:12	X																
580-29313-6	1	P	11:14	X																
580-29313-7	1	P	11:16	X																
580-29313-8	1	P	11:18	X																
580-29313-9	1	P	11:20	X																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Instrument ID: TAC103 Method: 7470A

Start Date: 10/26/2011 09:57 End Date: 10/26/2011 14:25

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
580-29313-10	1	P	11:22	X															
580-29313-11	1	P	11:24	X															
580-29313-12	1	P	11:26	X															
580-29313-13	1	P	11:28	X															
580-29313-14	1	P	11:30	X															
CCV 580-98670/48	1		11:32	X															
CCB 580-98670/49	1		11:34	X															
580-29313-15	1	P	11:43	X															
580-29313-16	1	P	11:45	X															
580-29313-17	1	P	11:47	X															
580-29313-18	1	P	11:49	X															
ZZZZZZ			11:51																
CCV 580-98670/55	1		11:53	X															
CCB 580-98670/56	1		11:55	X															
ZZZZZZ			11:57																
ZZZZZZ			11:59																
ZZZZZZ			12:01																
ZZZZZZ			12:03																
ZZZZZZ			12:05																
ZZZZZZ			12:07																
ZZZZZZ			12:09																
ZZZZZZ			12:11																
ZZZZZZ			12:13																
ZZZZZZ			12:15																
CCV 580-98670/67			12:17																
CCB 580-98670/68			12:18																
ZZZZZZ			12:20																
ZZZZZZ			12:22																
ZZZZZZ			12:24																
ZZZZZZ			12:26																
ZZZZZZ			12:28																
ZZZZZZ			12:30																
ZZZZZZ			12:32																
ZZZZZZ			12:34																
ZZZZZZ			12:36																
ZZZZZZ			12:38																
CCV 580-98670/79			12:40																
CCB 580-98670/80			12:42																
ZZZZZZ			12:44																
ZZZZZZ			12:46																
ZZZZZZ			12:48																
ZZZZZZ			12:50																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Instrument ID: TAC103 Method: 7470A

Start Date: 10/26/2011 09:57 End Date: 10/26/2011 14:25

Lab Sample ID	D / F	Type	Time	Analytes															
				H	g														
ZZZZZZ			12:52																
ZZZZZZ			12:54																
ZZZZZZ			12:56																
ZZZZZZ			12:57																
ZZZZZZ			12:59																
CCV 580-98670/90			13:01																
CCB 580-98670/91			13:03																
ZZZZZZ			13:20																
ZZZZZZ			13:22																
ZZZZZZ			13:24																
CCV 580-98670/95			13:26																
CCB 580-98670/96			13:28																
ZZZZZZ			13:30																
ZZZZZZ			13:32																
ZZZZZZ			13:34																
ZZZZZZ			13:36																
ZZZZZZ			13:38																
ZZZZZZ			13:40																
ZZZZZZ			13:42																
ZZZZZZ			13:44																
ZZZZZZ			13:46																
ZZZZZZ			13:48																
CCV 580-98670/107			13:49																
CCB 580-98670/108			13:51																
ZZZZZZ			13:53																
ZZZZZZ			13:55																
ZZZZZZ			13:57																
ZZZZZZ			13:59																
ZZZZZZ			14:01																
ZZZZZZ			14:03																
ZZZZZZ			14:05																
ZZZZZZ			14:07																
CCV 580-98670/117			14:14																
CCB 580-98670/118			14:17																
ZZZZZZ			14:19																
ZZZZZZ			14:21																
CCV 580-98670/121			14:23																
CCB 580-98670/122			14:25																

Prep Types

P = TCLP
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Instrument ID: TAC103 Method: 7470A

Start Date: 10/27/2011 10:15 End Date: 10/27/2011 16:01

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
STD0 580-98817/1 IC			10:15	X																	
STD1 580-98817/2 IC			10:17	X																	
STD2 580-98817/3 IC			10:19	X																	
STD3 580-98817/4 IC			10:21	X																	
STD4 580-98817/5 IC			10:23	X																	
STD5 580-98817/6 IC			10:25	X																	
ICV 580-98817/7	1		10:27	X																	
ICB 580-98817/8	1		10:29	X																	
CCV 580-98817/9	1		10:33	X																	
CCB 580-98817/10	1		10:35	X																	
MB 580-98690/18-A	1	T	10:55	X																	
LCS 580-98690/19-A	1	T	10:57	X																	
LCSD 580-98690/20-A	1	T	10:59	X																	
LCSSRM 580-98690/21-A	1	T	11:01	X																	
CCV 580-98817/15	1		11:03	X																	
CCB 580-98817/16	1		11:04	X																	
580-29313-23	1	P	11:06	X																	
580-29313-23 DU	1	P	11:08	X																	
580-29313-23 MS	1	P	11:10	X																	
580-29313-23 MSD	1	P	11:12	X																	
580-29313-2	1	P	11:14	X																	
580-29313-24	1	P	11:16	X																	
580-29313-25	1	P	11:18	X																	
580-29313-26	1	P	11:20	X																	
ZZZZZZ			11:22																		
ZZZZZZ			11:24																		
CCV 580-98817/27	1		11:26	X																	
CCB 580-98817/28	1		11:28	X																	
ZZZZZZ			11:30																		
ZZZZZZ			11:32																		
ZZZZZZ			11:34																		
ZZZZZZ			11:36																		
ZZZZZZ			11:38																		
ZZZZZZ			11:40																		
ZZZZZZ			11:42																		
CCV 580-98817/36	1		11:44	X																	
CCB 580-98817/37	1		11:46	X																	
MB 580-98696/10-A	1	T	11:48	X																	
LCS 580-98696/11-A	1	T	11:50	X																	
LCSD 580-98696/12-A	1	T	11:52	X																	
LCSSRM 580-98696/13-A	1	T	11:54	X																	
CCV 580-98817/42	1		11:56	X																	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Instrument ID: TAC103 Method: 7470A

Start Date: 10/27/2011 10:15 End Date: 10/27/2011 16:01

Lab Sample ID	D / F	Type	Time	Analytes															
				Hg															
CCB 580-98817/43	1		11:58	X															
580-29313-27	1	P	12:00	X															
580-29313-27 DU	1	P	12:02	X															
580-29313-27 MS	1	P	12:04	X															
580-29313-27 MSD	1	P	12:06	X															
580-29313-28	1	P	12:07	X															
580-29313-29	1	P	12:09	X															
580-29313-30	1	P	12:11	X															
ZZZZZZ			12:13																
ZZZZZZ			12:15																
CCV 580-98817/53	1		12:17	X															
CCB 580-98817/54	1		12:19	X															
ZZZZZZ			12:21																
ZZZZZZ			12:23																
ZZZZZZ			12:25																
ZZZZZZ			12:27																
ZZZZZZ			12:29																
ZZZZZZ			12:31																
ZZZZZZ			12:33																
CCV 580-98817/62			12:35																
CCB 580-98817/63			12:37																
ZZZZZZ			12:39																
ZZZZZZ			12:41																
ZZZZZZ			12:43																
ZZZZZZ			12:45																
ZZZZZZ			12:47																
ZZZZZZ			12:49																
ZZZZZZ			12:51																
ZZZZZZ			12:53																
ZZZZZZ			12:55																
ZZZZZZ			12:57																
CCV 580-98817/74			12:59																
CCB 580-98817/75			13:01																
ZZZZZZ			13:03																
ZZZZZZ			13:05																
ZZZZZZ			13:07																
ZZZZZZ			13:09																
ZZZZZZ			13:11																
ZZZZZZ			13:12																
CCV 580-98817/82			13:14																
CCB 580-98817/83			13:16																
ZZZZZZ			13:18																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Instrument ID: TAC103 Method: 7470A

Start Date: 10/27/2011 10:15 End Date: 10/27/2011 16:01

Lab Sample ID	D / F	Type	Time	Analytes															
				Hg															
ZZZZZZ			13:20																
ZZZZZZ			13:22																
ZZZZZZ			13:24																
ZZZZZZ			13:26																
ZZZZZZ			13:28																
ZZZZZZ			13:30																
ZZZZZZ			13:32																
ZZZZZZ			13:34																
ZZZZZZ			13:36																
CCV 580-98817/94			13:38																
CCB 580-98817/95			13:40																
ZZZZZZ			13:42																
ZZZZZZ			13:44																
ZZZZZZ			13:46																
ZZZZZZ			13:48																
ZZZZZZ			13:50																
ZZZZZZ			13:52																
ZZZZZZ			13:54																
ZZZZZZ			13:56																
ZZZZZZ			13:58																
ZZZZZZ			14:00																
CCV 580-98817/106			14:02																
CCB 580-98817/107			14:04																
CCV 580-98817/108			15:49																
CCB 580-98817/109			15:51																
ZZZZZZ			15:53																
ZZZZZZ			15:55																
CCV 580-98817/112			15:59																
CCB 580-98817/113			16:01																

Prep Types

P = TCLP

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Instrument ID: TAC103 Method: 7470A

Start Date: 10/31/2011 12:25 End Date: 10/31/2011 16:04

Lab Sample ID	D / F	Type	Time	Analytes															
				Hg															
STD0 580-99025/1 IC			12:25	X															
STD1 580-99025/2 IC			12:27	X															
STD2 580-99025/3 IC			12:29	X															
STD3 580-99025/4 IC			12:31	X															
STD4 580-99025/5 IC			12:33	X															
STD5 580-99025/6 IC			12:35	X															
ICV 580-99025/7	1		12:50	X															
ICB 580-99025/8	1		12:52	X															
CCV 580-99025/9			12:56																
CCB 580-99025/10			12:58																
ZZZZZZ			13:20																
ZZZZZZ			13:22																
ZZZZZZ			13:24																
ZZZZZZ			13:26																
ZZZZZZ			13:28																
ZZZZZZ			13:30																
ZZZZZZ			13:31																
ZZZZZZ			13:33																
ZZZZZZ			13:35																
ZZZZZZ			13:37																
CCV 580-99025/21			13:39																
CCB 580-99025/22			13:41																
ZZZZZZ			13:43																
ZZZZZZ			13:45																
ZZZZZZ			13:47																
ZZZZZZ			13:49																
ZZZZZZ			13:51																
ZZZZZZ			13:53																
ZZZZZZ			13:55																
ZZZZZZ			13:57																
ZZZZZZ			13:59																
ZZZZZZ			14:01																
CCV 580-99025/33			14:03																
CCB 580-99025/34			14:05																
ZZZZZZ			14:07																
ZZZZZZ			14:09																
ZZZZZZ			14:11																
ZZZZZZ			14:13																
CCV 580-99025/39	1		14:15	X															
CCB 580-99025/40	1		14:17	X															
MB 580-98816/16-A	1	T	14:19	X															
LCS 580-98816/17-A	1	T	14:21	X															

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Instrument ID: TAC103 Method: 7470A

Start Date: 10/31/2011 12:25 End Date: 10/31/2011 16:04

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
LCSD 580-98816/18-A	1	T	14:23	X															
LCSSRM 580-98816/19-A	1	T	14:25	X															
580-29313-31	1	P	14:27	X															
580-29313-31 DU	1	P	14:29	X															
580-29313-31 MS	1	P	14:31	X															
580-29313-31 MSD	1	P	14:33	X															
ZZZZZZ			14:35																
ZZZZZZ			14:37																
CCV 580-99025/51	1		14:39	X															
CCB 580-99025/52	1		14:40	X															
ZZZZZZ			14:43																
ZZZZZZ			14:45																
ZZZZZZ			14:46																
ZZZZZZ			14:48																
ZZZZZZ			14:50																
ZZZZZZ			14:52																
ZZZZZZ			14:54																
ZZZZZZ			14:56																
ZZZZZZ			14:58																
CCV 580-99025/62			15:00																
CCB 580-99025/63			15:02																
ZZZZZZ			15:09																
ZZZZZZ			15:11																
ZZZZZZ			15:12																
ZZZZZZ			15:14																
ZZZZZZ			15:16																
ZZZZZZ			15:18																
CCV 580-99025/70			15:20																
CCB 580-99025/71			15:22																
ZZZZZZ			15:24																
ZZZZZZ			15:26																
ZZZZZZ			15:28																
ZZZZZZ			15:30																
ZZZZZZ			15:32																
ZZZZZZ			15:34																
ZZZZZZ			15:36																
ZZZZZZ			15:38																
ZZZZZZ			15:40																
ZZZZZZ			15:42																
CCV 580-99025/82			15:44																
CCB 580-99025/83			15:46																
ZZZZZZ			15:48																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Instrument ID: TAC103 Method: 7470A

Start Date: 10/31/2011 12:25 End Date: 10/31/2011 16:04

Lab Sample ID	D / F	T y p e	Time	Analytes																
				H g																
ZZZZZZ			15:50																	
ZZZZZZ			15:52																	
ZZZZZZ			15:54																	
ZZZZZZ			15:56																	
ZZZZZZ			15:58																	
ZZZZZZ			16:00																	
CCV 580-99025/91			16:02																	
CCB 580-99025/92			16:04																	

Prep Types
P = TCLP
T = Total/NA

Reprocessing Begun

Logged In Analyst: palmquists

Technique: ICP Continuous

Results Data Set (original): 102711

Results Library (original): C:\pe\Administrator\Results\Results.mdb

Results Data Set (reprocessed): 580-98695-98688

Results Library (reprocessed): C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1

Autosampler Location: 1

Sample ID: Calib Blank 1

Date Collected: 10/27/2011 9:56:15 AM

Analyst:

Data Type: Reprocessed on 10/27/2011 4:37:21 PM

Logged In Analyst (Original) : palmquists

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Mean Data: Calib Blank 1

Analyte	Mean Corrected			RSD	Calib	
	Intensity	Std.Dev.	Conc.		Units	
Lu 261.542	309506.0	17046.09	5.51%	100.0	%	
Sc 361.383	650675.5	36120.55	5.55%	100.0	%	
As 188.979†	0.6	2.38	383.22%	[0.00]	mg/L	
Ba 233.527†	-78.5	3.94	5.02%	[0.00]	mg/L	
Cd 226.502†	0.4	0.92	221.70%	[0.00]	mg/L	
Cr 267.716†	66.4	23.60	35.52%	[0.00]	mg/L	
Pb 220.353†	-22.8	2.63	11.51%	[0.00]	mg/L	
Se 196.026†	-1.2	1.01	83.96%	[0.00]	mg/L	
Ag 328.068†	-58.5	31.93	54.55%	[0.00]	mg/L	
Al 308.215†	-11611.3	581.06	5.00%	[0.00]	mg/L	
Fe 273.955†	174.5	8.10	4.64%	[0.00]	mg/L	
Ca 315.887†	-7211.0	305.95	4.24%	[0.00]	mg/L	
Mg 279.077†	-1384.5	94.49	6.82%	[0.00]	mg/L	

Sequence No.: 2

Autosampler Location: 2

Sample ID: Cal Std #1 00020

Date Collected: 10/27/2011 10:01:50 AM

Analyst:

Data Type: Reprocessed on 10/27/2011 4:37:22 PM

Logged In Analyst (Original) : palmquists

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Mean Data: Cal Std #1 00020

Analyte	Mean Corrected			RSD	Calib	
	Intensity	Std.Dev.	Conc.		Units	
Lu 261.542	308347.8	5611.99	1.82%	99.63	%	
Sc 361.383	649195.9	11091.49	1.71%	99.77	%	
As 188.979†	253.1	6.48	2.56%	[0.40]	mg/L	
Ba 233.527†	4368.1	99.82	2.29%	[0.20]	mg/L	
Cd 226.502†	2395.3	64.79	2.70%	[0.04]	mg/L	
Cr 267.716†	2610.5	94.51	3.62%	[0.04]	mg/L	
Pb 220.353†	1630.1	26.59	1.63%	[0.40]	mg/L	
Se 196.026†	227.8	5.24	2.30%	[0.40]	mg/L	
Ag 328.068†	11128.7	314.47	2.83%	[0.08]	mg/L	
Al 308.215†	9108.2	33.27	0.37%	[0.80]	mg/L	
Fe 273.955†	9325.4	257.07	2.76%	[0.80]	mg/L	
Ca 315.887†	77861.8	1899.43	2.44%	[1.6]	mg/L	
Mg 279.077†	12449.5	226.25	1.82%	[1.60]	mg/L	

Sequence No.: 3

Autosampler Location: 3

Sample ID: Cal Std #2 00022

Date Collected: 10/27/2011 10:07:29 AM

Analyst:

Data Type: Reprocessed on 10/27/2011 4:37:22 PM

Logged In Analyst (Original) : palmquists

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Mean Data: Cal Std #2 00022

Analyte	Mean Corrected			RSD	Calib	
	Intensity	Std.Dev.	Conc.		Units	
Lu 261.542	313868.4	9156.25	2.92%	101.4	%	
Sc 361.383	660010.2	18824.80	2.85%	101.4	%	
As 188.979†	1213.6	40.65	3.35%	[2.00]	mg/L	
Ba 233.527†	21646.2	631.91	2.92%	[1.00]	mg/L	
Cd 226.502†	11983.5	302.46	2.52%	[0.20]	mg/L	

Cr 267.716†	12965.1	338.85	2.61%	[0.20]	mg/L
Pb 220.353†	8074.1	171.51	2.12%	[2.00]	mg/L
Se 196.026†	1110.2	42.01	3.78%	[2.00]	mg/L
Ag 328.068†	56303.7	1517.00	2.69%	[0.400]	mg/L
Al 308.215†	45294.0	1066.52	2.35%	[4.00]	mg/L
Fe 273.955†	47563.7	1318.63	2.77%	[4.00]	mg/L
Ca 315.887†	393603.7	10881.25	2.76%	[8.00]	mg/L
Mg 279.077†	63229.8	1652.59	2.61%	[8.00]	mg/L

```

=====
Sequence No.: 4                               Autosampler Location: 4
Sample ID: Cal Std #3 00020                   Date Collected: 10/27/2011 10:13:08 AM
Analyst:                                       Data Type: Reprocessed on 10/27/2011 4:37:23 PM
Logged In Analyst (Original) : palmquists
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
=====

```

Mean Data: Cal Std #3 00020

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Units	Calib
Lu 261.542	317379.7	13644.04	4.30%	102.5	%	
Sc 361.383	663968.9	28079.04	4.23%	102.0	%	
As 188.979†	6065.6	313.45	5.17%	[10.0]	mg/L	
Ba 233.527†	105807.8	5488.90	5.19%	[5.00]	mg/L	
Cd 226.502†	59381.3	3088.17	5.20%	[1.00]	mg/L	
Cr 267.716†	64382.5	3390.56	5.27%	[1.00]	mg/L	
Pb 220.353†	39790.3	2091.98	5.26%	[10.0]	mg/L	
Se 196.026†	5588.3	290.94	5.21%	[10.0]	mg/L	
Ag 328.068†	285495.6	14973.57	5.24%	[2.00]	mg/L	
Al 308.215†	228736.0	11458.88	5.01%	[20.0]	mg/L	
Fe 273.955†	230985.3	12126.61	5.25%	[20.0]	mg/L	
Ca 315.887†	1936747.0	100955.44	5.21%	[40.0]	mg/L	
Mg 279.077†	316211.9	17007.23	5.38%	[40.0]	mg/L	

```

=====
Sequence No.: 5                               Autosampler Location: 5
Sample ID: Cal Std #4 00020                   Date Collected: 10/27/2011 10:18:49 AM
Analyst:                                       Data Type: Reprocessed on 10/27/2011 4:37:24 PM
Logged In Analyst (Original) : palmquists
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
=====

```

Mean Data: Cal Std #4 00020

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Units	Calib
Lu 261.542	317648.6	4573.03	1.44%	102.6	%	
Sc 361.383	661411.9	10078.52	1.52%	101.7	%	
As 188.979†	12056.0	216.69	1.80%	[20.0]	mg/L	
Cd 226.502†	112339.9	2355.09	2.10%	[2.00]	mg/L	
Cr 267.716†	121884.5	2393.23	1.96%	[2.00]	mg/L	
Pb 220.353†	75271.3	1379.97	1.83%	[20.0]	mg/L	
Se 196.026†	11092.2	262.75	2.37%	[20.0]	mg/L	
Ag 328.068†	552028.3	9917.98	1.80%	[4.00]	mg/L	
Al 308.215†	442425.9	8031.66	1.82%	[40.0]	mg/L	
Fe 273.955†	433968.6	8280.11	1.91%	[40.0]	mg/L	
Ca 315.887†	3670070.6	71141.91	1.94%	[80.0]	mg/L	
Mg 279.077†	608001.8	12393.89	2.04%	[80.0]	mg/L	

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
As 188.979	4	Lin Thru 0	0.0	603.6	0.00000	0.999996	
Ba 233.527	3	Lin Thru 0	0.0	21180	0.00000	0.999990	
Cd 226.502	4	Lin Thru 0	0.0	56840	0.00000	0.999735	
Cr 267.716	4	Lin Thru 0	0.0	61660	0.00000	0.999742	
Pb 220.353	4	Lin Thru 0	0.0	3809	0.00000	0.999731	
Se 196.026	4	Lin Thru 0	0.0	555.5	0.00000	0.999995	
Ag 328.068	4	Lin Thru 0	0.0	139000	0.00000	0.999907	
Al 308.215	4	Lin Thru 0	0.0	11140	0.00000	0.999908	
Fe 273.955	4	Lin Thru 0	0.0	11000	0.00000	0.999652	
Ca 315.887	4	Lin Thru 0	0.0	46410	0.00000	0.999747	
Mg 279.077	4	Lin Thru 0	0.0	7663	0.00000	0.999870	

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=====
Sequence No.: 6                               Autosampler Location: 8
Sample ID: ICV 00018                           Date Collected: 10/27/2011 10:23:41 AM
=====

```


Analyst:
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Data Type: Reprocessed on 10/27/2011 4:37:24 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV 00018

Table with 8 columns: Analyte, Mean Corrected Intensity, Calib. Conc. Units, Std.Dev., Sample Conc. Units, Std.Dev., RSD. Lists various elements like Lu, Sc, As, Ba, Cd, Cr, Pb, Se, Ag, Al, Fe, Ca, Mg with their respective values and recovery percentages.

Sequence No.: 7
Sample ID: ICB
Analyst:
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/27/2011 10:29:19 AM
Data Type: Reprocessed on 10/27/2011 4:37:25 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB

Table with 8 columns: Analyte, Mean Corrected Intensity, Calib. Conc. Units, Std.Dev., Sample Conc. Units, Std.Dev., RSD. Lists various elements like Lu, Sc, As, Ba, Cd, Cr, Pb, Se, Ag, Al, Fe, Ca, Mg with their respective values and recovery percentages.

Sequence No.: 8
Sample ID: ICP RL_00021
Analyst:
Logged In Analyst (Original) : palmquists
Initial Sample Wt:

Autosampler Location: 9
Date Collected: 10/27/2011 10:35:05 AM
Data Type: Reprocessed on 10/27/2011 4:37:26 PM
Initial Sample Vol:

Dilution:

Sample Prep Vol:

Mean Data: ICP RL_00021

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu 261.542	321257.1	103.8	%	4.28			4.13%
Sc 361.383	675951.2	103.9	%	4.26			4.11%
As 188.979†	41.2	0.0682	mg/L	0.00198	0.0682 mg/L	0.00198	2.90%
QC value within limits for As 188.979 Recovery = 113.70%							
Ba 233.527†	231.5	0.0109	mg/L	0.00036	0.0109 mg/L	0.00036	3.32%
QC value within limits for Ba 233.527 Recovery = 109.31%							
Cd 226.502†	605.3	0.0106	mg/L	0.00063	0.0106 mg/L	0.00063	5.90%
QC value within limits for Cd 226.502 Recovery = 106.49%							
Cr 267.716†	1729.0	0.0280	mg/L	0.00173	0.0280 mg/L	0.00173	6.18%
QC value within limits for Cr 267.716 Recovery = 112.17%							
Pb 220.353†	116.2	0.0305	mg/L	0.00148	0.0305 mg/L	0.00148	4.84%
QC value within limits for Pb 220.353 Recovery = 101.72%							
Se 196.026†	62.0	0.1116	mg/L	0.00663	0.1116 mg/L	0.00663	5.94%
QC value within limits for Se 196.026 Recovery = 111.63%							
Ag 328.068†	2779.4	0.0200	mg/L	0.00064	0.0200 mg/L	0.00064	3.18%
QC value within limits for Ag 328.068 Recovery = 100.00%							
Al 308.215†	6020.7	0.5406	mg/L	0.02689	0.5406 mg/L	0.02689	4.97%
QC value within limits for Al 308.215 Recovery = 54.06%							
Fe 273.955†	2331.0	0.2120	mg/L	0.00752	0.2120 mg/L	0.00752	3.55%
QC value within limits for Fe 273.955 Recovery = 105.99%							
Ca 315.887†	54796.7	1.181	mg/L	0.0335	1.181 mg/L	0.0335	2.84%
QC value within limits for Ca 315.887 Recovery = 107.34%							
Mg 279.077†	8894.7	1.161	mg/L	0.0392	1.161 mg/L	0.0392	3.38%
QC value within limits for Mg 279.077 Recovery = 105.52%							

All analyte(s) passed QC.

Sequence No.: 9

Sample ID: ICSA 00037

Analyst:

Logged In Analyst (Original) : palmquists

Initial Sample Wt:

Dilution:

Autosampler Location: 10

Date Collected: 10/27/2011 10:45:33 AM

Data Type: Reprocessed on 10/27/2011 4:37:27 PM

Initial Sample Vol:

Sample Prep Vol:

Mean Data: ICSA 00037

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu 261.542	307185.0	99.25	%	2.853			2.87%
Sc 361.383	640425.5	98.42	%	4.516			4.59%
As 188.979†	3.1	0.0051	mg/L	0.00725	0.0051 mg/L	0.00725	141.69%
QC value within limits for As 188.979 Recovery = Not calculated							
Ba 233.527†	67.8	0.0032	mg/L	0.00036	0.0032 mg/L	0.00036	11.16%
QC value within limits for Ba 233.527 Recovery = Not calculated							
Cd 226.502†	351.3	0.0062	mg/L	0.00034	0.0062 mg/L	0.00034	5.48%
QC value within limits for Cd 226.502 Recovery = Not calculated							
Cr 267.716†	-470.3	-0.0076	mg/L	0.00017	-0.0076 mg/L	0.00017	2.20%
QC value within limits for Cr 267.716 Recovery = Not calculated							
Pb 220.353†	-87.9	-0.0231	mg/L	0.00100	-0.0231 mg/L	0.00100	4.31%
QC value within limits for Pb 220.353 Recovery = Not calculated							
Se 196.026†	-14.3	-0.0257	mg/L	0.01584	-0.0257 mg/L	0.01584	61.71%
QC value within limits for Se 196.026 Recovery = Not calculated							
Ag 328.068†	-1696.5	-0.0122	mg/L	0.00040	-0.0122 mg/L	0.00040	3.24%
QC value within limits for Ag 328.068 Recovery = Not calculated							
Al 308.215†	5894808.5	529.3	mg/L	17.92	529.3 mg/L	17.92	3.39%
QC value within limits for Al 308.215 Recovery = 105.86%							
Fe 273.955†	2118491.8	192.6	mg/L	3.97	192.6 mg/L	3.97	2.06%
QC value within limits for Fe 273.955 Recovery = 96.32%							
Ca 315.887†	22976633.7	495.1	mg/L	17.11	495.1 mg/L	17.11	3.46%
QC value within limits for Ca 315.887 Recovery = 99.02%							
Mg 279.077†	3999457.9	521.9	mg/L	11.26	521.9 mg/L	11.26	2.16%
QC value within limits for Mg 279.077 Recovery = 104.38%							

All analyte(s) passed QC.

Sequence No.: 10

Sample ID: ICSAB 00029

Analyst:

Logged In Analyst (Original) : palmquists

Initial Sample Wt:

Dilution:

Autosampler Location: 11

Date Collected: 10/27/2011 10:51:34 AM

Data Type: Reprocessed on 10/27/2011 4:37:27 PM

Initial Sample Vol:

Sample Prep Vol:

Mean Data: ICSAB 00029

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu 261.542	311914.7	100.8 %	1.45			1.44%
Sc 361.383	620063.8	95.30 %	3.493			3.67%
As 188.979†	5803.8	9.616 mg/L	0.2738	9.616 mg/L	0.2738	2.85%
QC value within limits for As 188.979 Recovery = 96.16%						
Ba 233.527†	57702.9	2.724 mg/L	0.2041	2.724 mg/L	0.2041	7.49%
QC value within limits for Ba 233.527 Recovery = 90.81%						
Cd 226.502†	163190.0	2.871 mg/L	0.1238	2.871 mg/L	0.1238	4.31%
QC value within limits for Cd 226.502 Recovery = 95.71%						
Cr 267.716†	175104.1	2.840 mg/L	0.2233	2.840 mg/L	0.2233	7.86%
QC value within limits for Cr 267.716 Recovery = 94.67%						
Pb 220.353†	35788.8	9.397 mg/L	0.7648	9.397 mg/L	0.7648	8.14%
QC value within limits for Pb 220.353 Recovery = 93.97%						
Se 196.026†	2675.0	4.816 mg/L	0.1439	4.816 mg/L	0.1439	2.99%
QC value within limits for Se 196.026 Recovery = 96.32%						
Ag 328.068†	433010.4	3.116 mg/L	0.2513	3.116 mg/L	0.2513	8.07%
QC value within limits for Ag 328.068 Recovery = 103.86%						
Al 308.215†	5702152.6	512.0 mg/L	24.29	512.0 mg/L	24.29	4.74%
QC value within limits for Al 308.215 Recovery = 102.40%						
Fe 273.955†	2062066.4	187.5 mg/L	8.22	187.5 mg/L	8.22	4.38%
QC value within limits for Fe 273.955 Recovery = 93.76%						
Ca 315.887†	22401867.9	482.7 mg/L	13.98	482.7 mg/L	13.98	2.90%
QC value within limits for Ca 315.887 Recovery = 96.54%						
Mg 279.077†	3914180.1	510.8 mg/L	23.42	510.8 mg/L	23.42	4.59%
QC value within limits for Mg 279.077 Recovery = 102.16%						

All analyte(s) passed QC.

```

=====
Sequence No.: 11                               Autosampler Location: 6
Sample ID: CCV 00034                           Date Collected: 10/27/2011 10:57:25 AM
Analyst:                                         Data Type: Reprocessed on 10/27/2011 4:37:28 PM
Logged In Analyst (Original) : palmquists
Initial Sample Wt:                               Initial Sample Vol:
Dilution:                                       Sample Prep Vol:
=====

```

Mean Data: CCV 00034

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu 261.542	301125.3	97.29 %	4.871			5.01%
Sc 361.383	632084.1	97.14 %	4.640			4.78%
As 188.979†	3220.8	5.336 mg/L	0.2551	5.336 mg/L	0.2551	4.78%
QC value within limits for As 188.979 Recovery = 106.72%						
Ba 233.527†	53977.0	2.548 mg/L	0.0961	2.548 mg/L	0.0961	3.77%
QC value within limits for Ba 233.527 Recovery = 101.93%						
Cd 226.502†	29908.1	0.5262 mg/L	0.02010	0.5262 mg/L	0.02010	3.82%
QC value within limits for Cd 226.502 Recovery = 105.24%						
Cr 267.716†	32470.8	0.5266 mg/L	0.02137	0.5266 mg/L	0.02137	4.06%
QC value within limits for Cr 267.716 Recovery = 105.33%						
Pb 220.353†	20860.1	5.477 mg/L	0.2611	5.477 mg/L	0.2611	4.77%
QC value within limits for Pb 220.353 Recovery = 109.54%						
Se 196.026†	2948.2	5.308 mg/L	0.2545	5.308 mg/L	0.2545	4.79%
QC value within limits for Se 196.026 Recovery = 106.15%						
Ag 328.068†	142306.9	1.024 mg/L	0.0402	1.024 mg/L	0.0402	3.93%
QC value within limits for Ag 328.068 Recovery = 102.40%						
Al 308.215†	114590.0	10.29 mg/L	0.355	10.29 mg/L	0.355	3.45%
QC value within limits for Al 308.215 Recovery = 102.89%						
Fe 273.955†	117652.7	10.70 mg/L	0.433	10.70 mg/L	0.433	4.04%
QC value within limits for Fe 273.955 Recovery = 106.99%						
Ca 315.887†	981760.6	21.16 mg/L	0.826	21.16 mg/L	0.826	3.91%
QC value within limits for Ca 315.887 Recovery = 105.78%						
Mg 279.077†	159008.2	20.75 mg/L	0.804	20.75 mg/L	0.804	3.87%
QC value within limits for Mg 279.077 Recovery = 103.75%						

All analyte(s) passed QC.

```

=====
Sequence No.: 12                               Autosampler Location: 7
Sample ID: CCB                                 Date Collected: 10/27/2011 11:03:02 AM
Analyst:                                         Data Type: Reprocessed on 10/27/2011 4:37:29 PM
Logged In Analyst (Original) : palmquists
Initial Sample Wt:                               Initial Sample Vol:
Dilution:                                       Sample Prep Vol:
=====

```

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
---------	--------------------------	--------------------	----------	--------------------	----------	-----

Lu 261.542	303103.5	97.93 %	3.498			3.57%
Sc 361.383	637945.6	98.04 %	3.543			3.61%
As 188.979†	3.9	0.0064 mg/L	0.00027	0.0064 mg/L	0.00027	4.15%
QC value within limits for As 188.979 Recovery = Not calculated						
Ba 233.527†	5.7	0.0003 mg/L	0.00018	0.0003 mg/L	0.00018	67.25%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Cd 226.502†	8.4	0.0001 mg/L	0.00007	0.0001 mg/L	0.00007	49.24%
QC value within limits for Cd 226.502 Recovery = Not calculated						
Cr 267.716†	-13.1	-0.0002 mg/L	0.00027	-0.0002 mg/L	0.00027	125.58%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Pb 220.353†	-3.4	-0.0009 mg/L	0.00042	-0.0009 mg/L	0.00042	47.39%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Se 196.026†	0.7	0.0013 mg/L	0.00315	0.0013 mg/L	0.00315	239.97%
QC value within limits for Se 196.026 Recovery = Not calculated						
Ag 328.068†	15.9	0.0001 mg/L	0.00055	0.0001 mg/L	0.00055	481.59%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 308.215†	381.5	0.0343 mg/L	0.05037	0.0343 mg/L	0.05037	147.05%
QC value within limits for Al 308.215 Recovery = Not calculated						
Fe 273.955†	67.6	0.0061 mg/L	0.00101	0.0061 mg/L	0.00101	16.50%
QC value within limits for Fe 273.955 Recovery = Not calculated						
Ca 315.887†	304.1	0.0066 mg/L	0.00853	0.0066 mg/L	0.00853	130.17%
QC value within limits for Ca 315.887 Recovery = Not calculated						
Mg 279.077†	728.2	0.0950 mg/L	0.00694	0.0950 mg/L	0.00694	7.31%
QC value within limits for Mg 279.077 Recovery = Not calculated						

All analyte(s) passed QC.

```

Sequence No.: 13
Sample ID: MB 580-98533/1-B
Analyst: SEA027/SN069N9042002
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:
Autosampler Location: 14
Date Collected: 10/27/2011 11:08:38 AM
Data Type: Reprocessed on 10/27/2011 4:37:30 PM
Initial Sample Vol:
Sample Prep Vol:

```

Mean Data: MB 580-98533/1-B

Analyte	Mean Corrected		Calib.	Std.Dev.	Sample		RSD
	Intensity	Conc. Units			Conc. Units	Std.Dev.	
Lu 261.542	349430.6	112.9 %		5.71		5.06%	
Sc 361.383	734310.7	112.9 %		5.56		4.93%	
As 188.979†	7.9	0.0131 mg/L		0.00114	0.0131 mg/L	8.71%	
Ba 233.527†	86.0	0.0041 mg/L		0.00009	0.0041 mg/L	2.29%	
Cd 226.502†	5.9	0.0001 mg/L		0.00006	0.0001 mg/L	60.62%	
Cr 267.716†	64.0	0.0010 mg/L		0.00007	0.0010 mg/L	6.52%	
Pb 220.353†	5.7	0.0015 mg/L		0.00047	0.0015 mg/L	31.45%	
Se 196.026†	8.5	0.0152 mg/L		0.00618	0.0152 mg/L	40.53%	
Ag 328.068†	78.8	0.0006 mg/L		0.00050	0.0006 mg/L	87.33%	
Al 308.215†	5116.0	0.4594 mg/L		0.03122	0.4594 mg/L	6.80%	
Fe 273.955†	182.6	0.0166 mg/L		0.00106	0.0166 mg/L	6.41%	
Ca 315.887†	64592.2	1.392 mg/L		0.0715	1.392 mg/L	5.14%	
Mg 279.077†	4680.2	0.6107 mg/L		0.02192	0.6107 mg/L	3.59%	

```

Sequence No.: 14
Sample ID: LCS 580-98695/11-A
Analyst: SEA027/SN069N9042002
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:
Autosampler Location: 15
Date Collected: 10/27/2011 11:14:14 AM
Data Type: Reprocessed on 10/27/2011 4:37:30 PM
Initial Sample Vol:
Sample Prep Vol:

```

Mean Data: LCS 580-98695/11-A

Analyte	Mean Corrected		Calib.	Std.Dev.	Sample		RSD
	Intensity	Conc. Units			Conc. Units	Std.Dev.	
Lu 261.542	336065.7	108.6 %		5.92		5.45%	
Sc 361.383	702750.4	108.0 %		5.75		5.32%	
As 188.979†	2527.5	4.187 mg/L		0.1395	4.187 mg/L	3.33%	
Ba 233.527†	82470.0	3.894 mg/L		0.1437	3.894 mg/L	3.69%	
Cd 226.502†	5768.8	0.1015 mg/L		0.00332	0.1015 mg/L	3.27%	
Cr 267.716†	24965.1	0.4049 mg/L		0.01506	0.4049 mg/L	3.72%	
Pb 220.353†	3863.5	1.014 mg/L		0.0335	1.014 mg/L	3.30%	
Se 196.026†	2296.4	4.134 mg/L		0.1386	4.134 mg/L	3.35%	
Ag 328.068†	88809.0	0.6391 mg/L		0.02351	0.6391 mg/L	3.68%	
Al 308.215†	54446.1	4.889 mg/L		0.1416	4.889 mg/L	2.90%	
Fe 273.955†	247827.5	22.54 mg/L		0.792	22.54 mg/L	3.51%	
Ca 315.887†	1013254.0	21.83 mg/L		0.743	21.83 mg/L	3.40%	
Mg 279.077†	159607.0	20.83 mg/L		0.716	20.83 mg/L	3.44%	

Sequence No.: 15
Sample ID: LCSD 580-98695/12-A
Analyst: SEA027/SN069N9042002
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Autosampler Location: 16
Date Collected: 10/27/2011 11:19:54 AM
Data Type: Reprocessed on 10/27/2011 4:37:31 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSD 580-98695/12-A

Table with 8 columns: Analyte, Mean Corrected Intensity, Calib. Conc. Units, Std.Dev., Sample Conc. Units, Std.Dev., RSD. Rows include elements like Lu, Sc, As, Ba, Cd, Cr, Pb, Se, Ag, Al, Fe, Ca, Mg.

Sequence No.: 16
Sample ID: LCSSRM 580-98695/13-A
Analyst: SEA027/SN069N9042002
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 10/27/2011 11:25:35 AM
Data Type: Reprocessed on 10/27/2011 4:37:32 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSSRM 580-98695/13-A

Table with 8 columns: Analyte, Mean Corrected Intensity, Calib. Conc. Units, Std.Dev., Sample Conc. Units, Std.Dev., RSD. Rows include elements like Lu, Sc, As, Ba, Cd, Cr, Pb, Se, Ag, Al, Fe, Ca, Mg.

Sequence No.: 17
Sample ID: 580-29313-A-27-B sd
Analyst: SEA027/SN069N9042002
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 10/27/2011 11:31:14 AM
Data Type: Reprocessed on 10/27/2011 4:37:32 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 580-29313-A-27-B sd

Table with 8 columns: Analyte, Mean Corrected Intensity, Calib. Conc. Units, Std.Dev., Sample Conc. Units, Std.Dev., RSD. Rows include elements like Lu, Sc, As, Ba, Cd, Cr, Pb, Se, Ag, Al, Fe, Ca, Mg.

Sequence No.: 18

Autosampler Location: 19

Sample ID: 580-29313-A-27-B
Analyst: SEA027/SN069N9042002
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Date Collected: 10/27/2011 11:36:49 AM
Data Type: Reprocessed on 10/27/2011 4:37:33 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 580-29313-A-27-B

Table with 8 columns: Analyte, Mean Corrected Intensity, Conc. Units, Calib., Std.Dev., Sample Conc. Units, Std.Dev., RSD. Rows include elements like Lu, Sc, As, Ba, Cd, Cr, Pb, Se, Ag, Al, Fe, Ca, Mg.

Sequence No.: 19

Sample ID: 580-29313-A-27-C DU
Analyst: SEA027/SN069N9042002
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 10/27/2011 11:42:31 AM
Data Type: Reprocessed on 10/27/2011 4:37:34 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 580-29313-A-27-C DU

Table with 8 columns: Analyte, Mean Corrected Intensity, Conc. Units, Calib., Std.Dev., Sample Conc. Units, Std.Dev., RSD. Rows include elements like Lu, Sc, As, Ba, Cd, Cr, Pb, Se, Ag, Al, Fe, Ca, Mg.

Sequence No.: 20

Sample ID: 580-29313-A-27-D MS
Analyst: SEA027/SN069N9042002
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 10/27/2011 11:48:13 AM
Data Type: Reprocessed on 10/27/2011 4:37:34 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 580-29313-A-27-D MS

Table with 8 columns: Analyte, Mean Corrected Intensity, Conc. Units, Calib., Std.Dev., Sample Conc. Units, Std.Dev., RSD. Rows include elements like Lu, Sc, As, Ba, Cd, Cr, Pb, Se, Ag, Al, Fe, Ca, Mg.

Sequence No.: 21

Sample ID: 580-29313-A-27-E MSD

Autosampler Location: 22
Date Collected: 10/27/2011 11:54:01 AM

Analyst: SEA027/SN069N9042002
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Data Type: Reprocessed on 10/27/2011 4:37:35 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 580-29313-A-27-E MSD

Table with 8 columns: Analyte, Mean Corrected Intensity, Calib. Conc. Units, Std.Dev., Sample Conc. Units, Std.Dev., RSD. Rows include elements like Lu, Sc, As, Ba, Cd, Cr, Pb, Se, Ag, Al, Fe, Ca, Mg.

Sequence No.: 22

Sample ID: 580-29313-A-27-B pds
Analyst: SEA027/SN069N9042002
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 10/27/2011 11:59:43 AM
Data Type: Reprocessed on 10/27/2011 4:37:36 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 580-29313-A-27-B pds

Table with 8 columns: Analyte, Mean Corrected Intensity, Calib. Conc. Units, Std.Dev., Sample Conc. Units, Std.Dev., RSD. Rows include elements like Lu, Sc, As, Ba, Cd, Cr, Pb, Se, Ag, Al, Fe, Ca, Mg.

Sequence No.: 23

Sample ID: CCV 00034
Analyst:
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 10/27/2011 12:05:27 PM
Data Type: Reprocessed on 10/27/2011 4:37:36 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV 00034

Table with 8 columns: Analyte, Mean Corrected Intensity, Calib. Conc. Units, Std.Dev., Sample Conc. Units, Std.Dev., RSD. Includes recovery percentages for various elements like As, Ba, Cd, Cr, Pb, Se, Ag, Al.

Fe 273.955† 114481.1 10.41 mg/L 0.953 10.41 mg/L 0.953 9.15%
 QC value within limits for Fe 273.955 Recovery = 104.11%
 Ca 315.887† 949675.3 20.46 mg/L 1.831 20.46 mg/L 1.831 8.95%
 QC value within limits for Ca 315.887 Recovery = 102.32%
 Mg 279.077† 155434.5 20.28 mg/L 1.834 20.28 mg/L 1.834 9.04%
 QC value within limits for Mg 279.077 Recovery = 101.42%
 All analyte(s) passed QC.

Sequence No.: 24 Autosampler Location: 7
 Sample ID: CCB Date Collected: 10/27/2011 12:11:04 PM
 Analyst: Data Type: Reprocessed on 10/27/2011 4:37:37 PM
 Logged In Analyst (Original) : palmquists Initial Sample Vol:
 Initial Sample Wt: Sample Prep Vol:
 Dilution:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Conc. Units	Sample	Std.Dev.	RSD
Lu 261.542	375446.4	121.3 %		8.63				7.12%
Sc 361.383	782694.4	120.3 %		8.41				6.99%
As 188.979†	4.0	0.0066 mg/L		0.00413	0.0066 mg/L		0.00413	62.42%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	23.3	0.0011 mg/L		0.00016	0.0011 mg/L		0.00016	14.45%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Cd 226.502†	6.3	0.0001 mg/L		0.00007	0.0001 mg/L		0.00007	60.38%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Cr 267.716†	-3.5	-0.0001 mg/L		0.00022	-0.0001 mg/L		0.00022	379.54%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Pb 220.353†	-0.6	-0.0002 mg/L		0.00201	-0.0002 mg/L		0.00201	>999.9%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Se 196.026†	3.2	0.0057 mg/L		0.00339	0.0057 mg/L		0.00339	59.70%
QC value within limits for Se 196.026 Recovery = Not calculated								
Ag 328.068†	21.8	0.0002 mg/L		0.00024	0.0002 mg/L		0.00024	151.13%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	1128.4	0.1013 mg/L		0.06757	0.1013 mg/L		0.06757	66.69%
QC value within limits for Al 308.215 Recovery = Not calculated								
Fe 273.955†	69.4	0.0063 mg/L		0.00063	0.0063 mg/L		0.00063	9.92%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Ca 315.887†	612.5	0.0132 mg/L		0.01179	0.0132 mg/L		0.01179	89.31%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Mg 279.077†	447.6	0.0584 mg/L		0.01307	0.0584 mg/L		0.01307	22.38%
QC value within limits for Mg 279.077 Recovery = Not calculated								
All analyte(s) passed QC.								

Sequence No.: 25 Autosampler Location: 24
 Sample ID: 580-29313-A-28-B Date Collected: 10/27/2011 12:16:46 PM
 Analyst: SEA027/SN069N9042002 Data Type: Reprocessed on 10/27/2011 4:37:38 PM
 Logged In Analyst (Original) : palmquists Initial Sample Vol:
 Initial Sample Wt: Sample Prep Vol:
 Dilution:

Mean Data: 580-29313-A-28-B

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Conc. Units	Sample	Std.Dev.	RSD
Lu 261.542	368028.4	118.9 %		5.60				4.71%
Sc 361.383	783057.4	120.3 %		7.05				5.86%
As 188.979†	12.3	0.0205 mg/L		0.00430	0.0205 mg/L		0.00430	21.02%
Ba 233.527†	10716.3	0.5059 mg/L		0.02086	0.5059 mg/L		0.02086	4.12%
Cd 226.502†	104.7	0.0018 mg/L		0.00008	0.0018 mg/L		0.00008	4.10%
Cr 267.716†	213.4	0.0035 mg/L		0.00002	0.0035 mg/L		0.00002	0.58%
Pb 220.353†	70.3	0.0185 mg/L		0.00033	0.0185 mg/L		0.00033	1.80%
Se 196.026†	12.6	0.0227 mg/L		0.00298	0.0227 mg/L		0.00298	13.11%
Ag 328.068†	101.6	0.0007 mg/L		0.00030	0.0007 mg/L		0.00030	41.17%
Al 308.215†	18115.4	1.627 mg/L		0.0289	1.627 mg/L		0.0289	1.78%
Fe 273.955†	1454.4	0.1323 mg/L		0.00212	0.1323 mg/L		0.00212	1.60%
Ca 315.887†	1615548.0	34.81 mg/L		1.855	34.81 mg/L		1.855	5.33%
Mg 279.077†	50835.5	6.634 mg/L		0.2771	6.634 mg/L		0.2771	4.18%

Sequence No.: 26 Autosampler Location: 25
 Sample ID: 580-29313-A-29-B Date Collected: 10/27/2011 12:22:31 PM
 Analyst: SEA027/SN069N9042002 Data Type: Reprocessed on 10/27/2011 4:37:38 PM
 Logged In Analyst (Original) : palmquists Initial Sample Vol:
 Initial Sample Wt: Sample Prep Vol:
 Dilution:

Mean Data: 580-29313-A-29-B

Analyte	Mean Corrected		Calib.	Std.Dev.	Sample		RSD
	Intensity	Conc.			Units	Conc.	
Lu 261.542	375400.9	121.3	%	6.32			5.21%
Sc 361.383	780880.4	120.0	%	4.93			4.11%
As 188.979†	18.5	0.0307	mg/L	0.00268	0.0307	mg/L	0.00268 8.75%
Ba 233.527†	22107.2	1.044	mg/L	0.0589	1.044	mg/L	0.0589 5.64%
Cd 226.502†	265.6	0.0047	mg/L	0.00019	0.0047	mg/L	0.00019 4.11%
Cr 267.716†	200.0	0.0032	mg/L	0.00010	0.0032	mg/L	0.00010 3.09%
Pb 220.353†	362.0	0.0951	mg/L	0.00242	0.0951	mg/L	0.00242 2.54%
Se 196.026†	11.4	0.0205	mg/L	0.00297	0.0205	mg/L	0.00297 14.47%
Ag 328.068†	110.2	0.0008	mg/L	0.00086	0.0008	mg/L	0.00086 108.59%
Al 308.215†	16540.7	1.485	mg/L	0.0374	1.485	mg/L	0.0374 2.52%
Fe 273.955†	1532.7	0.1394	mg/L	0.01353	0.1394	mg/L	0.01353 9.71%
Ca 315.887†	2123623.9	45.76	mg/L	3.535	45.76	mg/L	3.535 7.72%
Mg 279.077†	35115.4	4.582	mg/L	0.2341	4.582	mg/L	0.2341 5.11%

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Sequence No.: 27
Sample ID: 580-29313-A-30-B
Analyst: SEA027/SN069N9042002
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Autosampler Location: 26
Date Collected: 10/27/2011 12:28:21 PM
Data Type: Reprocessed on 10/27/2011 4:37:39 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 580-29313-A-30-B

Analyte	Mean Corrected		Calib.	Std.Dev.	Sample		RSD
	Intensity	Conc.			Units	Conc.	
Lu 261.542	372957.4	120.5	%	5.22			4.33%
Sc 361.383	812643.7	124.9	%	9.12			7.30%
As 188.979†	12.1	0.0201	mg/L	0.00194	0.0201	mg/L	0.00194 9.66%
Ba 233.527†	13144.8	0.6206	mg/L	0.03523	0.6206	mg/L	0.03523 5.68%
Cd 226.502†	151.4	0.0027	mg/L	0.00016	0.0027	mg/L	0.00016 5.95%
Cr 267.716†	221.0	0.0036	mg/L	0.00029	0.0036	mg/L	0.00029 8.05%
Pb 220.353†	151.1	0.0397	mg/L	0.00090	0.0397	mg/L	0.00090 2.27%
Se 196.026†	13.0	0.0234	mg/L	0.00130	0.0234	mg/L	0.00130 5.57%
Ag 328.068†	91.9	0.0007	mg/L	0.00032	0.0007	mg/L	0.00032 48.20%
Al 308.215†	21500.2	1.930	mg/L	0.0589	1.930	mg/L	0.0589 3.05%
Fe 273.955†	3159.7	0.2873	mg/L	0.01692	0.2873	mg/L	0.01692 5.89%
Ca 315.887†	1555185.9	33.51	mg/L	1.342	33.51	mg/L	1.342 4.01%
Mg 279.077†	35716.5	4.661	mg/L	0.2539	4.661	mg/L	0.2539 5.45%

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Sequence No.: 28
Sample ID: 580-29275-A-2-B
Analyst: SEA027/SN069N9042002
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Autosampler Location: 27
Date Collected: 10/27/2011 12:34:00 PM
Data Type: Reprocessed on 10/27/2011 4:37:39 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 580-29275-A-2-B

Analyte	Mean Corrected		Calib.	Std.Dev.	Sample		RSD
	Intensity	Conc.			Units	Conc.	
Lu 261.542	393886.9	127.3	%	7.49			5.88%
Sc 361.383	821771.1	126.3	%	7.30			5.78%
As 188.979†	7.3	0.0120	mg/L	0.00245	0.0120	mg/L	0.00245 20.36%
Ba 233.527†	531.8	0.0251	mg/L	0.00136	0.0251	mg/L	0.00136 5.40%
Cd 226.502†	40.7	0.0007	mg/L	0.00003	0.0007	mg/L	0.00003 4.34%
Cr 267.716†	1643.5	0.0267	mg/L	0.00187	0.0267	mg/L	0.00187 7.02%
Pb 220.353†	0.4	0.0001	mg/L	0.00152	0.0001	mg/L	0.00152 >999.9%
Se 196.026†	10.7	0.0192	mg/L	0.00296	0.0192	mg/L	0.00296 15.38%
Ag 328.068†	-50.9	-0.0004	mg/L	0.00023	-0.0004	mg/L	0.00023 63.93%
Al 308.215†	80018.1	7.185	mg/L	0.3911	7.185	mg/L	0.3911 5.44%
Fe 273.955†	128951.5	11.73	mg/L	0.730	11.73	mg/L	0.730 6.22%
Ca 315.887†	417653.9	9.000	mg/L	0.5589	9.000	mg/L	0.5589 6.21%
Mg 279.077†	22981.4	2.999	mg/L	0.1701	2.999	mg/L	0.1701 5.67%

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Sequence No.: 29
Sample ID: 580-29439-A-1-B
Analyst: SEA027/SN069N9042002
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 10/27/2011 12:39:36 PM
Data Type: Reprocessed on 10/27/2011 4:37:40 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 580-29439-A-1-B

Analyte	Mean Corrected		Calib.		Sample		RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.		
Lu 261.542	372259.6	120.3 %	3.75			3.12%	
Sc 361.383	781947.9	120.2 %	3.64			3.03%	
As 188.979†	9.4	0.0156 mg/L	0.00243	0.0156 mg/L	0.00243	15.60%	
Ba 233.527†	4354.3	0.2056 mg/L	0.01316	0.2056 mg/L	0.01316	6.40%	
Cd 226.502†	43.1	0.0008 mg/L	0.00010	0.0008 mg/L	0.00010	12.72%	
Cr 267.716†	135.1	0.0022 mg/L	0.00023	0.0022 mg/L	0.00023	10.35%	
Pb 220.353†	2272.2	0.5966 mg/L	0.03930	0.5966 mg/L	0.03930	6.59%	
Se 196.026†	11.1	0.0200 mg/L	0.00734	0.0200 mg/L	0.00734	36.69%	
Ag 328.068†	103.4	0.0007 mg/L	0.00046	0.0007 mg/L	0.00046	62.41%	
Al 308.215†	9473.3	0.8506 mg/L	0.00640	0.8506 mg/L	0.00640	0.75%	
Fe 273.955†	581.7	0.0529 mg/L	0.00528	0.0529 mg/L	0.00528	9.99%	
Ca 315.887†	633169.7	13.64 mg/L	0.433	13.64 mg/L	0.433	3.17%	
Mg 279.077†	24735.8	3.228 mg/L	0.0884	3.228 mg/L	0.0884	2.74%	

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Sequence No.: 30	Autosampler Location: 6
Sample ID: CCV 00034	Date Collected: 10/27/2011 12:45:15 PM
Analyst:	Data Type: Reprocessed on 10/27/2011 4:37:41 PM
Logged In Analyst (Original): palmquists	
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Mean Data: CCV 00034

Analyte	Mean Corrected		Calib.		Sample		RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.		
Lu 261.542	382094.5	123.5 %	7.41			6.00%	
Sc 361.383	796707.8	122.4 %	7.05			5.75%	
As 188.979†	3209.6	5.318 mg/L	0.2951	5.318 mg/L	0.2951	5.55%	
QC value within limits for As 188.979 Recovery = 106.35%							
Ba 233.527†	53889.7	2.544 mg/L	0.1649	2.544 mg/L	0.1649	6.48%	
QC value within limits for Ba 233.527 Recovery = 101.77%							
Cd 226.502†	30378.2	0.5345 mg/L	0.03339	0.5345 mg/L	0.03339	6.25%	
QC value within limits for Cd 226.502 Recovery = 106.89%							
Cr 267.716†	32521.1	0.5275 mg/L	0.03456	0.5275 mg/L	0.03456	6.55%	
QC value within limits for Cr 267.716 Recovery = 105.49%							
Pb 220.353†	20280.0	5.325 mg/L	0.3416	5.325 mg/L	0.3416	6.41%	
QC value within limits for Pb 220.353 Recovery = 106.50%							
Se 196.026†	2946.8	5.305 mg/L	0.3084	5.305 mg/L	0.3084	5.81%	
QC value within limits for Se 196.026 Recovery = 106.10%							
Ag 328.068†	141579.6	1.019 mg/L	0.0672	1.019 mg/L	0.0672	6.60%	
QC value within limits for Ag 328.068 Recovery = 101.88%							
Al 308.215†	116240.0	10.44 mg/L	0.621	10.44 mg/L	0.621	5.95%	
QC value within limits for Al 308.215 Recovery = 104.37%							
Fe 273.955†	117865.2	10.72 mg/L	0.696	10.72 mg/L	0.696	6.49%	
QC value within limits for Fe 273.955 Recovery = 107.18%							
Ca 315.887†	976095.3	21.03 mg/L	1.363	21.03 mg/L	1.363	6.48%	
QC value within limits for Ca 315.887 Recovery = 105.17%							
Mg 279.077†	159873.9	20.86 mg/L	1.353	20.86 mg/L	1.353	6.48%	
QC value within limits for Mg 279.077 Recovery = 104.31%							

All analyte(s) passed QC.

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Sequence No.: 31	Autosampler Location: 7
Sample ID: CCB	Date Collected: 10/27/2011 12:50:51 PM
Analyst:	Data Type: Reprocessed on 10/27/2011 4:37:41 PM
Logged In Analyst (Original): palmquists	
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected		Calib.		Sample		RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.		
Lu 261.542	326797.6	105.6 %	1.36			1.28%	
Sc 361.383	686246.6	105.5 %	1.26			1.20%	
As 188.979†	6.6	0.0110 mg/L	0.00264	0.0110 mg/L	0.00264	24.02%	
QC value within limits for As 188.979 Recovery = Not calculated							
Ba 233.527†	13.2	0.0006 mg/L	0.00013	0.0006 mg/L	0.00013	21.50%	
QC value within limits for Ba 233.527 Recovery = Not calculated							
Cd 226.502†	3.8	0.0001 mg/L	0.00007	0.0001 mg/L	0.00007	109.86%	
QC value within limits for Cd 226.502 Recovery = Not calculated							
Cr 267.716†	6.9	0.0001 mg/L	0.00027	0.0001 mg/L	0.00027	244.75%	
QC value within limits for Cr 267.716 Recovery = Not calculated							
Pb 220.353†	-2.5	-0.0006 mg/L	0.00064	-0.0006 mg/L	0.00064	99.30%	

QC value within limits for Pb 220.353 Recovery = Not calculated
 Se 196.026† 0.8 0.0015 mg/L 0.00306 0.0015 mg/L 0.00306 204.43%
 QC value within limits for Se 196.026 Recovery = Not calculated
 Ag 328.068† -28.6 -0.0002 mg/L 0.00030 -0.0002 mg/L 0.00030 148.29%
 QC value within limits for Ag 328.068 Recovery = Not calculated
 Al 308.215† 294.6 0.0265 mg/L 0.01849 0.0265 mg/L 0.01849 69.88%
 QC value within limits for Al 308.215 Recovery = Not calculated
 Fe 273.955† -15.2 -0.0014 mg/L 0.00074 -0.0014 mg/L 0.00074 53.35%
 QC value within limits for Fe 273.955 Recovery = Not calculated
 Ca 315.887† -178.0 -0.0038 mg/L 0.00300 -0.0038 mg/L 0.00300 78.11%
 QC value within limits for Ca 315.887 Recovery = Not calculated
 Mg 279.077† 124.9 0.0163 mg/L 0.00302 0.0163 mg/L 0.00302 18.50%
 QC value within limits for Mg 279.077 Recovery = Not calculated
 All analyte(s) passed QC.

Sequence No.: 32 Autosampler Location: 29
 Sample ID: MB 580-98531/1-B Date Collected: 10/27/2011 12:56:34 PM
 Analyst: SEA027/SN069N9042002 Data Type: Reprocessed on 10/27/2011 4:37:42 PM
 Logged In Analyst (Original) : palmquists
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Mean Data: MB 580-98531/1-B

Analyte	Mean Corrected		Calib. Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Lu 261.542	384149.9	124.1	%	1.40			1.12%
Sc 361.383	804742.1	123.7	%	1.41			1.14%
As 188.979†	7.0	0.0115	mg/L	0.00154	0.0115	mg/L	0.00154 13.35%
Ba 233.527†	95.4	0.0045	mg/L	0.00007	0.0045	mg/L	0.00007 1.48%
Cd 226.502†	5.8	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005 50.61%
Cr 267.716†	64.7	0.0010	mg/L	0.00013	0.0010	mg/L	0.00013 12.80%
Pb 220.353†	2.3	0.0006	mg/L	0.00019	0.0006	mg/L	0.00019 31.17%
Se 196.026†	5.8	0.0104	mg/L	0.00820	0.0104	mg/L	0.00820 78.70%
Ag 328.068†	44.5	0.0003	mg/L	0.00076	0.0003	mg/L	0.00076 236.60%
Al 308.215†	4453.0	0.3998	mg/L	0.01170	0.3998	mg/L	0.01170 2.93%
Fe 273.955†	86.2	0.0078	mg/L	0.00094	0.0078	mg/L	0.00094 12.04%
Ca 315.887†	59728.4	1.287	mg/L	0.0179	1.287	mg/L	0.0179 1.39%
Mg 279.077†	4059.3	0.5297	mg/L	0.00442	0.5297	mg/L	0.00442 0.83%

Sequence No.: 33 Autosampler Location: 30
 Sample ID: LCS 580-98688/24-A Date Collected: 10/27/2011 1:02:18 PM
 Analyst: SEA027/SN069N9042002 Data Type: Reprocessed on 10/27/2011 4:37:43 PM
 Logged In Analyst (Original) : palmquists
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Mean Data: LCS 580-98688/24-A

Analyte	Mean Corrected		Calib. Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Lu 261.542	379716.2	122.7	%	2.86			2.33%
Sc 361.383	790380.0	121.5	%	2.65			2.18%
As 188.979†	2581.9	4.278	mg/L	0.1261	4.278	mg/L	0.1261 2.95%
Ba 233.527†	83745.2	3.954	mg/L	0.1184	3.954	mg/L	0.1184 2.99%
Cd 226.502†	5839.6	0.1027	mg/L	0.00253	0.1027	mg/L	0.00253 2.46%
Cr 267.716†	25522.9	0.4140	mg/L	0.01292	0.4140	mg/L	0.01292 3.12%
Pb 220.353†	3883.8	1.020	mg/L	0.0275	1.020	mg/L	0.0275 2.70%
Se 196.026†	2340.1	4.213	mg/L	0.1354	4.213	mg/L	0.1354 3.21%
Ag 328.068†	90125.8	0.6485	mg/L	0.01919	0.6485	mg/L	0.01919 2.96%
Al 308.215†	56130.8	5.040	mg/L	0.1225	5.040	mg/L	0.1225 2.43%
Fe 273.955†	252110.0	22.93	mg/L	0.693	22.93	mg/L	0.693 3.02%
Ca 315.887†	1026652.2	22.12	mg/L	0.653	22.12	mg/L	0.653 2.95%
Mg 279.077†	161682.9	21.10	mg/L	0.631	21.10	mg/L	0.631 2.99%

Sequence No.: 34 Autosampler Location: 31
 Sample ID: LCSD 580-98688/25-A Date Collected: 10/27/2011 1:07:59 PM
 Analyst: SEA027/SN069N9042002 Data Type: Reprocessed on 10/27/2011 4:37:43 PM
 Logged In Analyst (Original) : palmquists
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Mean Data: LCSD 580-98688/25-A

Analyte	Mean Corrected		Calib. Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	

Lu 261.542	392899.0	126.9 %	7.48				5.90%
Sc 361.383	817224.3	125.6 %	7.23				5.76%
As 188.979†	2654.2	4.397 mg/L	0.2987	4.397 mg/L	0.2987	6.79%	
Ba 233.527†	84177.7	3.974 mg/L	0.1458	3.974 mg/L	0.1458	3.67%	
Cd 226.502†	6015.5	0.1058 mg/L	0.00700	0.1058 mg/L	0.00700	6.61%	
Cr 267.716†	25709.1	0.4170 mg/L	0.01380	0.4170 mg/L	0.01380	3.31%	
Pb 220.353†	3989.6	1.048 mg/L	0.0699	1.048 mg/L	0.0699	6.68%	
Se 196.026†	2417.6	4.352 mg/L	0.2956	4.352 mg/L	0.2956	6.79%	
Ag 328.068†	90345.3	0.6501 mg/L	0.02147	0.6501 mg/L	0.02147	3.30%	
Al 308.215†	56442.2	5.068 mg/L	0.1481	5.068 mg/L	0.1481	2.92%	
Fe 273.955†	254370.8	23.13 mg/L	0.823	23.13 mg/L	0.823	3.56%	
Ca 315.887†	1028220.5	22.16 mg/L	0.777	22.16 mg/L	0.777	3.51%	
Mg 279.077†	162589.6	21.22 mg/L	0.752	21.22 mg/L	0.752	3.55%	

Sequence No.: 35
Sample ID: LCSSRM 580-98688/26-A
Analyst: SEA027/SN069N9042002
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 10/27/2011 1:13:40 PM
Data Type: Reprocessed on 10/27/2011 4:37:44 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSSRM 580-98688/26-A

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu 261.542	407508.3	131.7 %	%	15.84			12.03%
Sc 361.383	846793.7	130.1 %	%	15.37			11.81%
As 188.979†	2583.6	4.280 mg/L	mg/L	0.5824	4.280 mg/L	0.5824	13.61%
Ba 233.527†	80649.7	3.808 mg/L	mg/L	0.4515	3.808 mg/L	0.4515	11.86%
Cd 226.502†	5803.1	0.1021 mg/L	mg/L	0.01372	0.1021 mg/L	0.01372	13.44%
Cr 267.716†	24647.3	0.3997 mg/L	mg/L	0.04780	0.3997 mg/L	0.04780	11.96%
Pb 220.353†	3837.2	1.008 mg/L	mg/L	0.1344	1.008 mg/L	0.1344	13.34%
Se 196.026†	2357.9	4.245 mg/L	mg/L	0.5904	4.245 mg/L	0.5904	13.91%
Ag 328.068†	87378.4	0.6288 mg/L	mg/L	0.07394	0.6288 mg/L	0.07394	11.76%
Al 308.215†	55356.6	4.970 mg/L	mg/L	0.4793	4.970 mg/L	0.4793	9.64%
Fe 273.955†	244566.3	22.24 mg/L	mg/L	2.680	22.24 mg/L	2.680	12.05%
Ca 315.887†	1007100.4	21.70 mg/L	mg/L	2.574	21.70 mg/L	2.574	11.86%
Mg 279.077†	157135.9	20.51 mg/L	mg/L	2.404	20.51 mg/L	2.404	11.73%

Sequence No.: 36
Sample ID: 580-29412-A-1-B
Analyst: SEA027/SN069N9042002
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Autosampler Location: 33
Date Collected: 10/27/2011 1:19:20 PM
Data Type: Reprocessed on 10/27/2011 4:37:45 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 580-29412-A-1-B

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu 261.542	386284.0	124.8 %	%	11.28			9.04%
Sc 361.383	806833.3	124.0 %	%	10.97			8.84%
As 188.979†	9.2	0.0152 mg/L	mg/L	0.00295	0.0152 mg/L	0.00295	19.46%
Ba 233.527†	49774.6	2.350 mg/L	mg/L	0.1769	2.350 mg/L	0.1769	7.53%
Cd 226.502†	137.3	0.0024 mg/L	mg/L	0.00025	0.0024 mg/L	0.00025	10.39%
Cr 267.716†	930.6	0.0151 mg/L	mg/L	0.00136	0.0151 mg/L	0.00136	9.01%
Pb 220.353†	116.6	0.0306 mg/L	mg/L	0.00136	0.0306 mg/L	0.00136	4.45%
Se 196.026†	7.7	0.0139 mg/L	mg/L	0.00900	0.0139 mg/L	0.00900	64.67%
Ag 328.068†	-233.7	-0.0017 mg/L	mg/L	0.00029	-0.0017 mg/L	0.00029	17.05%
Al 308.215†	23086.0	2.073 mg/L	mg/L	0.0798	2.073 mg/L	0.0798	3.85%
Fe 273.955†	316858.7	28.81 mg/L	mg/L	1.344	28.81 mg/L	1.344	4.66%
Ca 315.887†	2357246.3	50.79 mg/L	mg/L	2.343	50.79 mg/L	2.343	4.61%
Mg 279.077†	29200.8	3.811 mg/L	mg/L	0.2682	3.811 mg/L	0.2682	7.04%

Sequence No.: 37
Sample ID: 580-29275-A-1-C
Analyst: SEA027/SN069N9042002
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Autosampler Location: 34
Date Collected: 10/27/2011 1:25:01 PM
Data Type: Reprocessed on 10/27/2011 4:37:45 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 580-29275-A-1-C

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu 261.542	369834.5	119.5 %	%	2.42			2.03%

Sc	361.383	774942.7	119.1 %	2.42			2.03%
As	188.979†	4.3	0.0071 mg/L	0.00156	0.0071 mg/L	0.00156	22.06%
Ba	233.527†	209.5	0.0099 mg/L	0.00027	0.0099 mg/L	0.00027	2.69%
Cd	226.502†	11.3	0.0002 mg/L	0.00003	0.0002 mg/L	0.00003	15.26%
Cr	267.716†	340.3	0.0055 mg/L	0.00024	0.0055 mg/L	0.00024	4.40%
Pb	220.353†	-2.9	-0.0008 mg/L	0.00017	-0.0008 mg/L	0.00017	22.20%
Se	196.026†	2.4	0.0042 mg/L	0.00459	0.0042 mg/L	0.00459	108.31%
Ag	328.068†	49.9	0.0004 mg/L	0.00037	0.0004 mg/L	0.00037	103.05%
Al	308.215†	17674.6	1.587 mg/L	0.0699	1.587 mg/L	0.0699	4.41%
Fe	273.955†	25921.1	2.357 mg/L	0.1547	2.357 mg/L	0.1547	6.56%
Ca	315.887†	837043.3	18.04 mg/L	1.129	18.04 mg/L	1.129	6.26%
Mg	279.077†	48547.0	6.335 mg/L	0.3848	6.335 mg/L	0.3848	6.07%

Sequence No.: 38
Sample ID: 580-29370-A-1-C
Analyst: SEA027/SN069N9042002
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Autosampler Location: 35
Date Collected: 10/27/2011 1:30:38 PM
Data Type: Reprocessed on 10/27/2011 4:37:46 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 580-29370-A-1-C

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu	261.542	369616.4	119.4 %	4.47			3.74%
Sc	361.383	781423.4	120.1 %	4.35			3.63%
As	188.979†	13.7	0.0227 mg/L	0.00324	0.0227 mg/L	0.00324	14.27%
Ba	233.527†	10611.1	0.5010 mg/L	0.01273	0.5010 mg/L	0.01273	2.54%
Cd	226.502†	538.1	0.0095 mg/L	0.00027	0.0095 mg/L	0.00027	2.85%
Cr	267.716†	263.1	0.0043 mg/L	0.00012	0.0043 mg/L	0.00012	2.75%
Pb	220.353†	8.0	0.0021 mg/L	0.00058	0.0021 mg/L	0.00058	27.65%
Se	196.026†	8.9	0.0159 mg/L	0.00157	0.0159 mg/L	0.00157	9.85%
Ag	328.068†	200.3	0.0014 mg/L	0.00081	0.0014 mg/L	0.00081	55.99%
Al	308.215†	16266.5	1.461 mg/L	0.0311	1.461 mg/L	0.0311	2.13%
Fe	273.955†	7718.7	0.7019 mg/L	0.01910	0.7019 mg/L	0.01910	2.72%
Ca	315.887†	7179417.3	154.7 mg/L	4.51	154.7 mg/L	4.51	2.91%
Mg	279.077†	54787.1	7.150 mg/L	0.1697	7.150 mg/L	0.1697	2.37%

Sequence No.: 39
Sample ID: 580-29385-A-1-B
Analyst: SEA027/SN069N9042002
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Autosampler Location: 36
Date Collected: 10/27/2011 1:36:24 PM
Data Type: Reprocessed on 10/27/2011 4:37:47 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 580-29385-A-1-B

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu	261.542	393498.3	127.1 %	4.76			3.74%
Sc	361.383	822940.0	126.5 %	1.64			1.30%
As	188.979†	12.1	0.0201 mg/L	0.00192	0.0201 mg/L	0.00192	9.54%
Ba	233.527†	11961.5	0.5647 mg/L	0.02546	0.5647 mg/L	0.02546	4.51%
Cd	226.502†	48.9	0.0009 mg/L	0.00002	0.0009 mg/L	0.00002	2.30%
Cr	267.716†	377.2	0.0061 mg/L	0.00041	0.0061 mg/L	0.00041	6.74%
Pb	220.353†	31138.5	8.176 mg/L	0.3487	8.176 mg/L	0.3487	4.26%
Se	196.026†	9.0	0.0163 mg/L	0.00417	0.0163 mg/L	0.00417	25.60%
Ag	328.068†	40.4	0.0003 mg/L	0.00018	0.0003 mg/L	0.00018	61.59%
Al	308.215†	15381.0	1.381 mg/L	0.0309	1.381 mg/L	0.0309	2.23%
Fe	273.955†	14348.5	1.305 mg/L	0.0530	1.305 mg/L	0.0530	4.07%
Ca	315.887†	1321054.5	28.47 mg/L	2.001	28.47 mg/L	2.001	7.03%
Mg	279.077†	23939.0	3.124 mg/L	0.1167	3.124 mg/L	0.1167	3.74%

Sequence No.: 40
Sample ID: 580-29385-A-2-B
Analyst: SEA027/SN069N9042002
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Autosampler Location: 37
Date Collected: 10/27/2011 1:42:08 PM
Data Type: Reprocessed on 10/27/2011 4:37:47 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 580-29385-A-2-B

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu	261.542	376765.8	121.7 %	10.90			8.96%
Sc	361.383	818571.6	125.8 %	7.29			5.79%

As	188.979†	10.2	0.0169 mg/L	0.00628	0.0169 mg/L	0.00628	37.14%
Ba	233.527†	10903.7	0.5148 mg/L	0.01352	0.5148 mg/L	0.01352	2.63%
Cd	226.502†	66.9	0.0012 mg/L	0.00012	0.0012 mg/L	0.00012	10.11%
Cr	267.716†	550.6	0.0089 mg/L	0.00058	0.0089 mg/L	0.00058	6.52%
Pb	220.353†	32924.0	8.645 mg/L	0.2217	8.645 mg/L	0.2217	2.56%
Se	196.026†	11.2	0.0202 mg/L	0.00439	0.0202 mg/L	0.00439	21.77%
Ag	328.068†	12.6	0.0001 mg/L	0.00009	0.0001 mg/L	0.00009	96.34%
Al	308.215†	16602.2	1.491 mg/L	0.0182	1.491 mg/L	0.0182	1.22%
Fe	273.955†	4673.9	0.4250 mg/L	0.01024	0.4250 mg/L	0.01024	2.41%
Ca	315.887†	1718226.1	37.02 mg/L	2.123	37.02 mg/L	2.123	5.73%
Mg	279.077†	24720.9	3.226 mg/L	0.0791	3.226 mg/L	0.0791	2.45%

Sequence No.: 41
Sample ID: CCV 00034
Analyst:
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 10/27/2011 1:47:52 PM
Data Type: Reprocessed on 10/27/2011 4:37:48 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV 00034

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu 261.542	362844.1	117.2 %		6.26			5.34%
Sc 361.383	757233.5	116.4 %		6.10			5.24%
As 188.979†	3193.9	5.291 mg/L		0.3073	5.291 mg/L	0.3073	5.81%
QC value within limits for As	188.979	Recovery =	105.83%				
Ba 233.527†	54180.7	2.558 mg/L		0.1362	2.558 mg/L	0.1362	5.33%
QC value within limits for Ba	233.527	Recovery =	102.32%				
Cd 226.502†	30389.2	0.5347 mg/L		0.02888	0.5347 mg/L	0.02888	5.40%
QC value within limits for Cd	226.502	Recovery =	106.93%				
Cr 267.716†	32760.3	0.5313 mg/L		0.02883	0.5313 mg/L	0.02883	5.43%
QC value within limits for Cr	267.716	Recovery =	106.27%				
Pb 220.353†	20311.8	5.333 mg/L		0.3054	5.333 mg/L	0.3054	5.73%
QC value within limits for Pb	220.353	Recovery =	106.66%				
Se 196.026†	2950.4	5.312 mg/L		0.3209	5.312 mg/L	0.3209	6.04%
QC value within limits for Se	196.026	Recovery =	106.23%				
Ag 328.068†	140460.5	1.011 mg/L		0.0545	1.011 mg/L	0.0545	5.39%
QC value within limits for Ag	328.068	Recovery =	101.07%				
Al 308.215†	116553.1	10.46 mg/L		0.521	10.46 mg/L	0.521	4.98%
QC value within limits for Al	308.215	Recovery =	104.65%				
Fe 273.955†	119097.4	10.83 mg/L		0.577	10.83 mg/L	0.577	5.32%
QC value within limits for Fe	273.955	Recovery =	108.30%				
Ca 315.887†	980776.6	21.13 mg/L		1.132	21.13 mg/L	1.132	5.36%
QC value within limits for Ca	315.887	Recovery =	105.67%				
Mg 279.077†	160833.2	20.99 mg/L		1.129	20.99 mg/L	1.129	5.38%
QC value within limits for Mg	279.077	Recovery =	104.94%				

All analyte(s) passed QC.

Sequence No.: 42
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 10/27/2011 1:53:35 PM
Data Type: Reprocessed on 10/27/2011 4:37:49 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu 261.542	336167.4	108.6 %		11.09			10.21%
Sc 361.383	702556.7	108.0 %		10.69			9.90%
As 188.979†	3.0	0.0049 mg/L		0.00207	0.0049 mg/L	0.00207	42.09%
QC value within limits for As	188.979	Recovery =	Not calculated				
Ba 233.527†	15.5	0.0007 mg/L		0.00028	0.0007 mg/L	0.00028	38.61%
QC value within limits for Ba	233.527	Recovery =	Not calculated				
Cd 226.502†	1.1	0.0000 mg/L		0.00007	0.0000 mg/L	0.00007	372.79%
QC value within limits for Cd	226.502	Recovery =	Not calculated				
Cr 267.716†	-24.2	-0.0004 mg/L		0.00054	-0.0004 mg/L	0.00054	136.89%
QC value within limits for Cr	267.716	Recovery =	Not calculated				
Pb 220.353†	-0.5	-0.0001 mg/L		0.00098	-0.0001 mg/L	0.00098	803.50%
QC value within limits for Pb	220.353	Recovery =	Not calculated				
Se 196.026†	2.5	0.0044 mg/L		0.00315	0.0044 mg/L	0.00315	71.02%
QC value within limits for Se	196.026	Recovery =	Not calculated				
Ag 328.068†	-9.1	-0.0001 mg/L		0.00044	-0.0001 mg/L	0.00044	673.94%
QC value within limits for Ag	328.068	Recovery =	Not calculated				
Al 308.215†	544.4	0.0489 mg/L		0.09514	0.0489 mg/L	0.09514	194.64%

QC value within limits for Al 308.215 Recovery = Not calculated
 Fe 273.955† -3.1 -0.0003 mg/L 0.00128 -0.0003 mg/L 0.00128 453.64%
 QC value within limits for Fe 273.955 Recovery = Not calculated
 Ca 315.887† 4.5 0.0001 mg/L 0.01670 0.0001 mg/L 0.01670 >999.9%
 QC value within limits for Ca 315.887 Recovery = Not calculated
 Mg 279.077† 133.1 0.0174 mg/L 0.02053 0.0174 mg/L 0.02053 118.15%
 QC value within limits for Mg 279.077 Recovery = Not calculated
 All analyte(s) passed QC.

Sequence No.: 43 Autosampler Location: 38
 Sample ID: 580-29313-A-23-B sd Date Collected: 10/27/2011 1:59:15 PM
 Analyst: SEA027/SN069N9042002 Data Type: Reprocessed on 10/27/2011 4:37:50 PM
 Logged In Analyst (Original) : palmquists
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Mean Data: 580-29313-A-23-B sd

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu 261.542	363009.1	117.3	%	6.82			5.82%
Sc 361.383	761430.5	117.0	%	6.64			5.67%
As 188.979†	7.5	0.0124	mg/L	0.00536	0.0124 mg/L	0.00536	43.17%
Ba 233.527†	3807.8	0.1798	mg/L	0.00669	0.1798 mg/L	0.00669	3.72%
Cd 226.502†	76.9	0.0014	mg/L	0.00010	0.0014 mg/L	0.00010	7.06%
Cr 267.716†	13.1	0.0002	mg/L	0.00025	0.0002 mg/L	0.00025	117.75%
Pb 220.353†	144.4	0.0379	mg/L	0.00161	0.0379 mg/L	0.00161	4.25%
Se 196.026†	2.7	0.0049	mg/L	0.00464	0.0049 mg/L	0.00464	94.18%
Ag 328.068†	55.5	0.0004	mg/L	0.00058	0.0004 mg/L	0.00058	144.54%
Al 308.215†	3048.8	0.2737	mg/L	0.03487	0.2737 mg/L	0.03487	12.74%
Fe 273.955†	101.7	0.0092	mg/L	0.00012	0.0092 mg/L	0.00012	1.33%
Ca 315.887†	495457.7	10.68	mg/L	0.260	10.68 mg/L	0.260	2.44%
Mg 279.077†	8490.4	1.108	mg/L	0.0108	1.108 mg/L	0.0108	0.98%

Sequence No.: 44 Autosampler Location: 39
 Sample ID: 580-29313-A-23-B Date Collected: 10/27/2011 2:04:54 PM
 Analyst: SEA027/SN069N9042002 Data Type: Reprocessed on 10/27/2011 4:37:50 PM
 Logged In Analyst (Original) : palmquists
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Mean Data: 580-29313-A-23-B

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu 261.542	367488.0	118.7	%	3.39			2.85%
Sc 361.383	796024.5	122.3	%	8.14			6.66%
As 188.979†	18.7	0.0309	mg/L	0.00251	0.0309 mg/L	0.00251	8.10%
Ba 233.527†	18709.6	0.8833	mg/L	0.02281	0.8833 mg/L	0.02281	2.58%
Cd 226.502†	343.9	0.0060	mg/L	0.00049	0.0060 mg/L	0.00049	8.05%
Cr 267.716†	77.5	0.0013	mg/L	0.00011	0.0013 mg/L	0.00011	8.79%
Pb 220.353†	721.4	0.1894	mg/L	0.00828	0.1894 mg/L	0.00828	4.37%
Se 196.026†	5.2	0.0093	mg/L	0.00283	0.0093 mg/L	0.00283	30.37%
Ag 328.068†	117.4	0.0008	mg/L	0.00057	0.0008 mg/L	0.00057	67.93%
Al 308.215†	10860.0	0.9751	mg/L	0.02264	0.9751 mg/L	0.02264	2.32%
Fe 273.955†	862.8	0.0785	mg/L	0.00419	0.0785 mg/L	0.00419	5.34%
Ca 315.887†	2490175.3	53.66	mg/L	3.403	53.66 mg/L	3.403	6.34%
Mg 279.077†	40414.4	5.274	mg/L	0.1377	5.274 mg/L	0.1377	2.61%

Sequence No.: 45 Autosampler Location: 40
 Sample ID: 580-29313-A-23-C DU Date Collected: 10/27/2011 2:10:36 PM
 Analyst: SEA027/SN069N9042002 Data Type: Reprocessed on 10/27/2011 4:37:51 PM
 Logged In Analyst (Original) : palmquists
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Mean Data: 580-29313-A-23-C DU

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu 261.542	360049.7	116.3	%	8.67			7.45%
Sc 361.383	779896.2	119.9	%	8.57			7.15%
As 188.979†	18.3	0.0304	mg/L	0.00240	0.0304 mg/L	0.00240	7.90%
Ba 233.527†	18250.2	0.8616	mg/L	0.04802	0.8616 mg/L	0.04802	5.57%
Cd 226.502†	329.8	0.0058	mg/L	0.00037	0.0058 mg/L	0.00037	6.46%
Cr 267.716†	70.9	0.0012	mg/L	0.00031	0.0012 mg/L	0.00031	27.22%

Pb 220.353†	688.0	0.1806 mg/L	0.01406	0.1806 mg/L	0.01406	7.78%
Se 196.026†	7.0	0.0126 mg/L	0.00142	0.0126 mg/L	0.00142	11.31%
Ag 328.068†	113.0	0.0008 mg/L	0.00054	0.0008 mg/L	0.00054	66.96%
Al 308.215†	10746.3	0.9649 mg/L	0.01048	0.9649 mg/L	0.01048	1.09%
Fe 273.955†	822.8	0.0748 mg/L	0.00761	0.0748 mg/L	0.00761	10.17%
Ca 315.887†	2431107.6	52.39 mg/L	3.209	52.39 mg/L	3.209	6.13%
Mg 279.077†	39519.1	5.157 mg/L	0.2873	5.157 mg/L	0.2873	5.57%

Sequence No.: 46
 Sample ID: 580-29313-A-23-D MS
 Analyst: SEA027/SN069N9042002
 Logged In Analyst (Original) : palmquists
 Initial Sample Wt:
 Dilution:

Autosampler Location: 41
 Date Collected: 10/27/2011 2:16:16 PM
 Data Type: Reprocessed on 10/27/2011 4:37:52 PM

Initial Sample Vol:
 Sample Prep Vol:

Mean Data: 580-29313-A-23-D MS

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu 261.542	365763.2	118.2 %		12.03			10.18%
Sc 361.383	762608.8	117.2 %		6.41			5.47%
As 188.979†	2564.2	4.248 mg/L		0.2024	4.248 mg/L	0.2024	4.76%
Ba 233.527†	101148.1	4.775 mg/L		0.1236	4.775 mg/L	0.1236	2.59%
Cd 226.502†	5969.3	0.1050 mg/L		0.00119	0.1050 mg/L	0.00119	1.13%
Cr 267.716†	25561.2	0.4146 mg/L		0.00974	0.4146 mg/L	0.00974	2.35%
Pb 220.353†	4435.4	1.165 mg/L		0.0586	1.165 mg/L	0.0586	5.03%
Se 196.026†	2341.4	4.215 mg/L		0.2163	4.215 mg/L	0.2163	5.13%
Ag 328.068†	91122.6	0.6557 mg/L		0.01326	0.6557 mg/L	0.01326	2.02%
Al 308.215†	60653.6	5.446 mg/L		0.0386	5.446 mg/L	0.0386	0.71%
Fe 273.955†	250149.2	22.75 mg/L		0.533	22.75 mg/L	0.533	2.34%
Ca 315.887†	3336296.3	71.89 mg/L		4.824	71.89 mg/L	4.824	6.71%
Mg 279.077†	195171.5	25.47 mg/L		0.580	25.47 mg/L	0.580	2.28%

Sequence No.: 47
 Sample ID: 580-29313-A-23-E MSD
 Analyst: SEA027/SN069N9042002
 Logged In Analyst (Original) : palmquists
 Initial Sample Wt:
 Dilution:

Autosampler Location: 42
 Date Collected: 10/27/2011 2:21:57 PM
 Data Type: Reprocessed on 10/27/2011 4:37:52 PM

Initial Sample Vol:
 Sample Prep Vol:

Mean Data: 580-29313-A-23-E MSD

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu 261.542	345028.9	111.5 %		8.91			7.99%
Sc 361.383	745192.6	114.5 %		5.26			4.59%
As 188.979†	2685.4	4.449 mg/L		0.3385	4.449 mg/L	0.3385	7.61%
Ba 233.527†	98577.4	4.654 mg/L		0.1966	4.654 mg/L	0.1966	4.22%
Cd 226.502†	6028.0	0.1061 mg/L		0.00523	0.1061 mg/L	0.00523	4.93%
Cr 267.716†	24865.0	0.4033 mg/L		0.01839	0.4033 mg/L	0.01839	4.56%
Pb 220.353†	4636.0	1.217 mg/L		0.0900	1.217 mg/L	0.0900	7.39%
Se 196.026†	2457.8	4.425 mg/L		0.3367	4.425 mg/L	0.3367	7.61%
Ag 328.068†	89121.0	0.6413 mg/L		0.02708	0.6413 mg/L	0.02708	4.22%
Al 308.215†	57475.6	5.161 mg/L		0.1737	5.161 mg/L	0.1737	3.37%
Fe 273.955†	246562.0	22.42 mg/L		0.986	22.42 mg/L	0.986	4.40%
Ca 315.887†	3378298.4	72.80 mg/L		5.615	72.80 mg/L	5.615	7.71%
Mg 279.077†	192538.5	25.13 mg/L		1.071	25.13 mg/L	1.071	4.26%

Sequence No.: 48
 Sample ID: 580-29313-A-23-B pds
 Analyst: SEA027/SN069N9042002
 Logged In Analyst (Original) : palmquists
 Initial Sample Wt:
 Dilution:

Autosampler Location: 43
 Date Collected: 10/27/2011 2:27:41 PM
 Data Type: Reprocessed on 10/27/2011 4:37:53 PM

Initial Sample Vol:
 Sample Prep Vol:

Mean Data: 580-29313-A-23-B pds

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu 261.542	325209.4	105.1 %		0.97			0.92%
Sc 361.383	683477.6	105.0 %		0.89			0.84%
As 188.979†	2070.5	3.430 mg/L		0.1860	3.430 mg/L	0.1860	5.42%
Ba 233.527†	102494.3	4.839 mg/L		0.0715	4.839 mg/L	0.0715	1.48%
Cd 226.502†	6294.2	0.1107 mg/L		0.00545	0.1107 mg/L	0.00545	4.92%
Cr 267.716†	26273.5	0.4261 mg/L		0.00530	0.4261 mg/L	0.00530	1.24%
Pb 220.353†	4677.1	1.228 mg/L		0.0585	1.228 mg/L	0.0585	4.76%

Se 196.026†	2500.0	4.501 mg/L	0.2258	4.501 mg/L	0.2258	5.02%
Ag 328.068†	94033.6	0.6766 mg/L	0.00970	0.6766 mg/L	0.00970	1.43%
Al 308.215†	62465.2	5.609 mg/L	0.0638	5.609 mg/L	0.0638	1.14%
Fe 273.955†	260075.6	23.65 mg/L	0.328	23.65 mg/L	0.328	1.39%
Ca 315.887†	3233106.3	69.67 mg/L	0.686	69.67 mg/L	0.686	0.98%
Mg 279.077†	199507.5	26.04 mg/L	0.348	26.04 mg/L	0.348	1.34%

Sequence No.: 49
Sample ID: CCV 00034
Analyst:
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 10/27/2011 2:33:24 PM
Data Type: Reprocessed on 10/27/2011 4:37:54 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV 00034

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu 261.542	344203.8	111.2 %		4.77			4.29%
Sc 361.383	718973.5	110.5 %		4.56			4.12%
As 188.979†	3161.8	5.238 mg/L		0.2165	5.238 mg/L	0.2165	4.13%
QC value within limits for As 188.979 Recovery = 104.77%							
Ba 233.527†	54506.0	2.573 mg/L		0.0930	2.573 mg/L	0.0930	3.61%
QC value within limits for Ba 233.527 Recovery = 102.93%							
Cd 226.502†	30506.2	0.5367 mg/L		0.01891	0.5367 mg/L	0.01891	3.52%
QC value within limits for Cd 226.502 Recovery = 107.34%							
Cr 267.716†	32983.7	0.5350 mg/L		0.02046	0.5350 mg/L	0.02046	3.83%
QC value within limits for Cr 267.716 Recovery = 106.99%							
Pb 220.353†	20436.0	5.366 mg/L		0.2120	5.366 mg/L	0.2120	3.95%
QC value within limits for Pb 220.353 Recovery = 107.32%							
Se 196.026†	2929.2	5.273 mg/L		0.2125	5.273 mg/L	0.2125	4.03%
QC value within limits for Se 196.026 Recovery = 105.47%							
Ag 328.068†	141924.1	1.021 mg/L		0.0356	1.021 mg/L	0.0356	3.49%
QC value within limits for Ag 328.068 Recovery = 102.13%							
Al 308.215†	116471.8	10.46 mg/L		0.351	10.46 mg/L	0.351	3.36%
QC value within limits for Al 308.215 Recovery = 104.58%							
Fe 273.955†	119637.5	10.88 mg/L		0.395	10.88 mg/L	0.395	3.63%
QC value within limits for Fe 273.955 Recovery = 108.80%							
Ca 315.887†	986542.1	21.26 mg/L		0.779	21.26 mg/L	0.779	3.66%
QC value within limits for Ca 315.887 Recovery = 106.29%							
Mg 279.077†	161310.5	21.05 mg/L		0.754	21.05 mg/L	0.754	3.58%
QC value within limits for Mg 279.077 Recovery = 105.25%							

All analyte(s) passed QC.

Sequence No.: 50
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : palmquists
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 10/27/2011 2:39:03 PM
Data Type: Reprocessed on 10/27/2011 4:37:54 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu 261.542	373793.7	120.8 %		7.28			6.02%
Sc 361.383	779518.7	119.8 %		7.09			5.92%
As 188.979†	3.0	0.0050 mg/L		0.00245	0.0050 mg/L	0.00245	48.95%
QC value within limits for As 188.979 Recovery = Not calculated							
Ba 233.527†	23.9	0.0011 mg/L		0.00025	0.0011 mg/L	0.00025	22.47%
QC value within limits for Ba 233.527 Recovery = Not calculated							
Cd 226.502†	1.6	0.0000 mg/L		0.00007	0.0000 mg/L	0.00007	250.49%
QC value within limits for Cd 226.502 Recovery = Not calculated							
Cr 267.716†	-12.3	-0.0002 mg/L		0.00018	-0.0002 mg/L	0.00018	88.90%
QC value within limits for Cr 267.716 Recovery = Not calculated							
Pb 220.353†	1.7	0.0004 mg/L		0.00054	0.0004 mg/L	0.00054	123.71%
QC value within limits for Pb 220.353 Recovery = Not calculated							
Se 196.026†	5.1	0.0093 mg/L		0.00528	0.0093 mg/L	0.00528	57.01%
QC value within limits for Se 196.026 Recovery = Not calculated							
Ag 328.068†	33.0	0.0002 mg/L		0.00028	0.0002 mg/L	0.00028	118.15%
QC value within limits for Ag 328.068 Recovery = Not calculated							
Al 308.215†	1037.9	0.0932 mg/L		0.05766	0.0932 mg/L	0.05766	61.87%
QC value within limits for Al 308.215 Recovery = Not calculated							
Fe 273.955†	34.5	0.0031 mg/L		0.00117	0.0031 mg/L	0.00117	37.26%
QC value within limits for Fe 273.955 Recovery = Not calculated							
Ca 315.887†	424.3	0.0091 mg/L		0.00909	0.0091 mg/L	0.00909	99.38%
QC value within limits for Ca 315.887 Recovery = Not calculated							

Mg 279.077† 321.0 0.0419 mg/L 0.00920 0.0419 mg/L 0.00920 21.95%
QC value within limits for Mg 279.077 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 51 Autosampler Location: 44
Sample ID: 580-29313-A-2-B Date Collected: 10/27/2011 2:44:44 PM
Analyst: SEA027/SN069N9042002 Data Type: Reprocessed on 10/27/2011 4:37:55 PM
Logged In Analyst (Original) : palmquists
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: 580-29313-A-2-B

Table with 8 columns: Analyte, Mean Corrected Intensity, Calib. Conc. Units, Std.Dev., Sample Conc. Units, Std.Dev., RSD. Rows include Lu, Sc, As, Ba, Cd, Cr, Pb, Se, Ag, Al, Fe, Ca, Mg.

Sequence No.: 52 Autosampler Location: 45
Sample ID: 580-29313-A-24-B Date Collected: 10/27/2011 2:50:23 PM
Analyst: SEA027/SN069N9042002 Data Type: Reprocessed on 10/27/2011 4:37:56 PM
Logged In Analyst (Original) : palmquists
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: 580-29313-A-24-B

Table with 8 columns: Analyte, Mean Corrected Intensity, Calib. Conc. Units, Std.Dev., Sample Conc. Units, Std.Dev., RSD. Rows include Lu, Sc, As, Ba, Cd, Cr, Pb, Se, Ag, Al, Fe, Ca, Mg.

Sequence No.: 53 Autosampler Location: 46
Sample ID: 580-29313-A-25-B Date Collected: 10/27/2011 2:56:14 PM
Analyst: SEA027/SN069N9042002 Data Type: Reprocessed on 10/27/2011 4:37:56 PM
Logged In Analyst (Original) : palmquists
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: 580-29313-A-25-B

Table with 8 columns: Analyte, Mean Corrected Intensity, Calib. Conc. Units, Std.Dev., Sample Conc. Units, Std.Dev., RSD. Rows include Lu, Sc, As, Ba, Cd, Cr, Pb, Se, Ag, Al, Fe.

Ca 315.887†	1945244.8	41.92 mg/L	1.419	41.92 mg/L	1.419	3.39%
Mg 279.077†	38525.2	5.027 mg/L	0.2327	5.027 mg/L	0.2327	4.63%

Sequence No.: 54
 Sample ID: 580-29313-A-26-B
 Analyst: SEA027/SN069N9042002
 Logged In Analyst (Original) : palmquists
 Initial Sample Wt:
 Dilution:

Autosampler Location: 47
 Date Collected: 10/27/2011 3:01:54 PM
 Data Type: Reprocessed on 10/27/2011 4:37:57 PM

Initial Sample Vol:
 Sample Prep Vol:

Mean Data: 580-29313-A-26-B

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu 261.542	393485.1	127.1	%	9.91			7.79%
Sc 361.383	826066.3	127.0	%	7.96			6.27%
As 188.979†	18.7	0.0311	mg/L	0.00489	0.0311 mg/L	0.00489	15.75%
Ba 233.527†	12714.1	0.6003	mg/L	0.02355	0.6003 mg/L	0.02355	3.92%
Cd 226.502†	187.5	0.0033	mg/L	0.00031	0.0033 mg/L	0.00031	9.26%
Cr 267.716†	278.6	0.0045	mg/L	0.00052	0.0045 mg/L	0.00052	11.54%
Pb 220.353†	209.3	0.0549	mg/L	0.00486	0.0549 mg/L	0.00486	8.85%
Se 196.026†	5.4	0.0096	mg/L	0.00451	0.0096 mg/L	0.00451	46.78%
Ag 328.068†	131.7	0.0009	mg/L	0.00034	0.0009 mg/L	0.00034	36.20%
Al 308.215†	18128.5	1.628	mg/L	0.0373	1.628 mg/L	0.0373	2.29%
Fe 273.955†	1860.4	0.1692	mg/L	0.01732	0.1692 mg/L	0.01732	10.24%
Ca 315.887†	2081096.3	44.84	mg/L	2.258	44.84 mg/L	2.258	5.04%
Mg 279.077†	38940.2	5.082	mg/L	0.1806	5.082 mg/L	0.1806	3.55%

Sequence No.: 55
 Sample ID: CCV 00034
 Analyst:
 Logged In Analyst (Original) : palmquists
 Initial Sample Wt:
 Dilution:

Autosampler Location: 6
 Date Collected: 10/27/2011 3:07:35 PM
 Data Type: Reprocessed on 10/27/2011 4:37:58 PM

Initial Sample Vol:
 Sample Prep Vol:

Mean Data: CCV 00034

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Lu 261.542	341917.0	110.5	%	3.37			3.05%
Sc 361.383	714137.2	109.8	%	3.16			2.88%
As 188.979†	3144.9	5.210	mg/L	0.1744	5.210 mg/L	0.1744	3.35%
QC value within limits for As 188.979 Recovery = 104.21%							
Ba 233.527†	54623.6	2.579	mg/L	0.1366	2.579 mg/L	0.1366	5.30%
QC value within limits for Ba 233.527 Recovery = 103.15%							
Cd 226.502†	30653.1	0.5393	mg/L	0.02944	0.5393 mg/L	0.02944	5.46%
QC value within limits for Cd 226.502 Recovery = 107.86%							
Cr 267.716†	33195.2	0.5384	mg/L	0.02662	0.5384 mg/L	0.02662	4.94%
QC value within limits for Cr 267.716 Recovery = 107.68%							
Pb 220.353†	20298.5	5.330	mg/L	0.1732	5.330 mg/L	0.1732	3.25%
QC value within limits for Pb 220.353 Recovery = 106.59%							
Se 196.026†	2909.3	5.238	mg/L	0.1636	5.238 mg/L	0.1636	3.12%
QC value within limits for Se 196.026 Recovery = 104.75%							
Ag 328.068†	142325.3	1.024	mg/L	0.0510	1.024 mg/L	0.0510	4.98%
QC value within limits for Ag 328.068 Recovery = 102.41%							
Al 308.215†	117233.9	10.53	mg/L	0.551	10.53 mg/L	0.551	5.24%
QC value within limits for Al 308.215 Recovery = 105.26%							
Fe 273.955†	120373.4	10.95	mg/L	0.569	10.95 mg/L	0.569	5.20%
QC value within limits for Fe 273.955 Recovery = 109.46%							
Ca 315.887†	1001129.7	21.57	mg/L	1.167	21.57 mg/L	1.167	5.41%
QC value within limits for Ca 315.887 Recovery = 107.86%							
Mg 279.077†	161948.8	21.13	mg/L	1.169	21.13 mg/L	1.169	5.53%
QC value within limits for Mg 279.077 Recovery = 105.67%							

All analyte(s) passed QC.

Sequence No.: 56
 Sample ID: CCB
 Analyst:
 Logged In Analyst (Original) : palmquists
 Initial Sample Wt:
 Dilution:

Autosampler Location: 7
 Date Collected: 10/27/2011 3:13:12 PM
 Data Type: Reprocessed on 10/27/2011 4:37:58 PM

Initial Sample Vol:
 Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
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Lu	261.542	323818.9	104.6 %	3.35			3.20%
Sc	361.383	679917.7	104.5 %	3.36			3.22%
As	188.979†	4.6	0.0076 mg/L	0.00277	0.0076 mg/L	0.00277	36.25%
	QC value within limits for As 188.979 Recovery = Not calculated						
Ba	233.527†	13.5	0.0006 mg/L	0.00014	0.0006 mg/L	0.00014	22.79%
	QC value within limits for Ba 233.527 Recovery = Not calculated						
Cd	226.502†	0.6	0.0000 mg/L	0.00007	0.0000 mg/L	0.00007	705.96%
	QC value within limits for Cd 226.502 Recovery = Not calculated						
Cr	267.716†	27.7	0.0004 mg/L	0.00054	0.0004 mg/L	0.00054	120.81%
	QC value within limits for Cr 267.716 Recovery = Not calculated						
Pb	220.353†	0.9	0.0002 mg/L	0.00117	0.0002 mg/L	0.00117	497.81%
	QC value within limits for Pb 220.353 Recovery = Not calculated						
Se	196.026†	1.2	0.0021 mg/L	0.00476	0.0021 mg/L	0.00476	221.92%
	QC value within limits for Se 196.026 Recovery = Not calculated						
Ag	328.068†	141.0	0.0010 mg/L	0.00033	0.0010 mg/L	0.00033	32.49%
	QC value within limits for Ag 328.068 Recovery = Not calculated						
Al	308.215†	169.3	0.0152 mg/L	0.03508	0.0152 mg/L	0.03508	230.82%
	QC value within limits for Al 308.215 Recovery = Not calculated						
Fe	273.955†	-34.3	-0.0031 mg/L	0.00096	-0.0031 mg/L	0.00096	30.76%
	QC value within limits for Fe 273.955 Recovery = Not calculated						
Ca	315.887†	-295.5	-0.0064 mg/L	0.00590	-0.0064 mg/L	0.00590	92.71%
	QC value within limits for Ca 315.887 Recovery = Not calculated						
Mg	279.077†	32.6	0.0043 mg/L	0.00898	0.0043 mg/L	0.00898	211.06%
	QC value within limits for Mg 279.077 Recovery = Not calculated						

All analyte(s) passed QC.

Sample Name: Blank Acquired: 10/26/2011 9:34:42 Type: Cal
 Method: 6010-2007Oct2011Master1(v8) Mode: IR Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158	Cd2265	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-19.37	.0032	.0000	.0104	.00040	-.0013	.0001	.0000
Stddev	2.75	.0005	.000	.0006	.00156	.0005	.0000	.000
%RSD	14.18	16.47	2651.	6.093	388.35	37.93	18.55	160.6

#1	-22.48	.0027	.0000	.0097	-.00004	-.0012	.0001	.0000
#2	-17.30	.0038	.0000	.0106	.00213	-.0019	.0001	-.0001
#3	-18.32	.0032	.0000	.0110	-.00089	-.0009	.0001	.0000

Elem	Cu3273	Fe2599	Mg2790	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0019	.0006	.0002	.0015	.0001	-.0002	.0001	-.0007
Stddev	.0001	.0006	.0000	.0002	.0000	.0001	.0000	.0002
%RSD	3.694	101.9	16.39	13.89	21.89	38.85	63.18	30.52

#1	-.0020	-.0001	.0002	.0017	.0001	-.0002	.0001	-.0007
#2	-.0019	.0009	.0001	.0015	.0001	-.0002	.0001	-.0008
#3	-.0020	.0011	.0002	.0013	.0001	-.0001	.0000	-.0005

Elem	Zn2138
Units	Cts/S
Avg	33.36
Stddev	.72
%RSD	2.159

#1	34.16
#2	33.14
#3	32.77

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2736.2	31059.	2374.4	3995.5
Stddev	1.1	89.	16.2	25.8
%RSD	.04004	.28773	.68382	.64551

#1	2735.5	30986.	2361.4	3966.8
#2	2735.6	31033.	2392.6	4016.8
#3	2737.5	31159.	2369.1	4003.0

Sample Name: 580-29313-A-1-D MS Acquired: 10/26/2011 13:26:13 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.5944	4.711	4.749	4.804	.10504	52.06
Stddev	.0012	.160	.014	.008	.00098	.29
%RSD	.2020	3.394	.3040	.1641	.92978	.5561

#1	.5943	4.550	4.762	4.803	.10498	52.18
#2	.5932	4.714	4.733	4.796	.10410	51.73
#3	.5956	4.870	4.752	4.812	.10605	52.27

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.1075	.4105	.5061	22.12	22.83	1.085
Stddev	.0004	.0006	.0017	.15	.07	.004
%RSD	.3870	.1459	.3447	.6759	.3063	.3386

#1	.1080	.4110	.5076	22.04	22.91	1.088
#2	.1073	.4106	.5041	22.03	22.80	1.085
#3	.1073	.4098	.5065	22.30	22.78	1.081

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.9891	3.230	4.742	4.020	1.036
Stddev	.0033	.011	.005	.007	.002
%RSD	.3376	.3454	.1049	.1801	.1759

#1	.9929	3.240	4.739	4.028	1.034
#2	.9867	3.218	4.739	4.018	1.035
#3	.9876	3.231	4.747	4.015	1.038

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1956.0	26752.	2180.6	3799.9
Stddev	6.0	84.	35.3	49.7
%RSD	.30806	.31401	1.6168	1.3073

#1	1950.6	26662.	2180.6	3802.2
#2	1954.8	26767.	2215.8	3848.4
#3	1962.5	26828.	2145.3	3749.1

Sample Name: 580-29313-A-15-B Acquired: 10/26/2011 15:24:33 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-0.0004	1.440	.0052	.8676	.00003	22.72
Stddev	.0000	.094	.0019	.0062	.00035	.24
%RSD	8.274	6.556	37.71	.7109	1266.1	1.040

#1	-0.0004	1.490	.0074	.8747	.00030	22.99
#2	-0.0004	1.500	.0040	.8641	.00015	22.54
#3	-0.0004	1.331	.0041	.8639	-.00037	22.64

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0037	.0037	.0065	.0927	3.649	.0051
Stddev	.0001	.0003	.0001	.0064	.004	.0002
%RSD	2.790	8.310	2.043	6.929	.1233	3.747

#1	.0038	.0038	.0064	.0861	3.645	.0051
#2	.0038	.0039	.0066	.0930	3.647	.0053
#3	.0036	.0033	.0066	.0989	3.654	.0050

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0363	-.0012	.0010	-.0006	.0534
Stddev	.0009	.0014	.0036	.0013	.0002
%RSD	2.451	111.7	352.3	202.9	.3637

#1	.0368	-.0016	.0001	-.0008	.0536
#2	.0367	.0003	-.0020	.0007	.0534
#3	.0352	-.0024	.0050	-.0017	.0532

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1977.9	25944.	2011.6	3518.3
Stddev	5.0	29.	21.3	34.7
%RSD	.25029	.11358	1.0571	.98626

#1	1983.5	25953.	1990.5	3479.1
#2	1974.1	25911.	2011.3	3530.5
#3	1976.2	25968.	2033.0	3545.2

Sample Name: CalibStd1 00021 Acquired: 10/26/2011 9:40:42 Type: Cal
 Method: 6010-2007Oct2011Master1(v8) Mode: IR Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158	Cd2265	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1212.	.0109	.0064	.3930	.03160	.0315	.0195	.0165
Stddev	3.	.0007	.0000	.0018	.00049	.0009	.0001	.0001
%RSD	.2583	6.054	.4939	.4467	1.5593	2.883	.3203	.5709

#1	1215.	.0103	.0065	.3942	.03206	.0319	.0196	.0165
#2	1212.	.0108	.0064	.3937	.03108	.0321	.0195	.0165
#3	1209.	.0116	.0064	.3909	.03167	.0305	.0195	.0164

Elem	Cu3273	Fe2599	Mg2790	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0118	.0266	.0626	.0492	.0195	.0038	.0053	.0356
Stddev	.0001	.0003	.0004	.0011	.0001	.0001	.0000	.0004
%RSD	.6525	1.223	.6183	2.276	.4119	1.939	.7089	.9864

#1	.0118	.0267	.0630	.0505	.0195	.0039	.0054	.0359
#2	.0118	.0262	.0625	.0486	.0195	.0038	.0053	.0352
#3	.0117	.0268	.0623	.0486	.0194	.0037	.0053	.0356

Elem	Zn2138
Units	Cts/S
Avg	451.1
Stddev	1.6
%RSD	.3587

#1	451.9
#2	449.2
#3	452.2

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2684.5	30870.	2319.3	3893.5
Stddev	7.9	73.	9.2	13.5
%RSD	.29295	.23578	.39499	.34748

#1	2675.5	30786.	2329.8	3906.4
#2	2687.9	30905.	2313.2	3879.4
#3	2690.1	30918.	2314.9	3894.7

Sample Name: CalibStd-2 00023 Acquired: 10/26/2011 9:46:31 Type: Cal
 Method: 6010-2007Oct2011Master1(v8) Mode: IR Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158	Cd2265	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5945.	.0406	.0314	1.879	.15183	.1646	.0947	.0812
Stddev	14.	.0013	.0001	.020	.00336	.0014	.0001	.0004
%RSD	.2435	3.106	.1768	1.051	2.2125	.8309	.1431	.5357

#1	5932.	.0417	.0314	1.899	.15504	.1657	.0947	.0808
#2	5942.	.0393	.0314	1.876	.15212	.1649	.0946	.0812
#3	5960.	.0409	.0315	1.860	.14834	.1631	.0949	.0817

Elem	Cu3273	Fe2599	Mg2790	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0640	.1315	.3071	.2417	.0932	.0192	.0259	.1772
Stddev	.0006	.0022	.0015	.0005	.0002	.0000	.0001	.0006
%RSD	.9985	1.653	.4918	.1975	.2138	.1899	.3600	.3319

#1	.0632	.1332	.3062	.2412	.0935	.0193	.0259	.1767
#2	.0642	.1323	.3064	.2419	.0932	.0192	.0259	.1771
#3	.0644	.1291	.3089	.2421	.0931	.0192	.0258	.1779

Elem	Zn2138
Units	Cts/S
Avg	1946.
Stddev	11.
%RSD	.5827

#1	1955.
#2	1949.
#3	1933.

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2580.2	30608.	2314.7	3923.9
Stddev	8.0	119.	33.7	36.3
%RSD	.31020	.38949	1.4546	.92529

#1	2586.2	30654.	2280.1	3889.9
#2	2583.4	30698.	2316.6	3919.7
#3	2571.1	30473.	2347.4	3962.2

Sample Name: CalibStd-3 00021 Acquired: 10/26/2011 9:52:08 Type: Cal

Method: 6010-2007Oct2011Master1(v8) Mode: IR Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158	Cd2265	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	28320.	.1814	.1615	8.998	.74637	.7789	.4719	.3994
Stddev	62.	.0001	.0007	.067	.00240	.0058	.0011	.0005
%RSD	.2194	.0642	.4458	.7412	.32117	.7477	.2376	.1233

#1	28290.	.1815	.1607	8.983	.74362	.7771	.4707	.4000
#2	28270.	.1814	.1616	8.940	.74751	.7741	.4720	.3991
#3	28390.	.1813	.1621	9.071	.74799	.7854	.4729	.3992

Elem	Cu3273	Fe2599	Mg2790	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3222	.6248	1.477	1.264	.4561	.0982	.1326	.9129
Stddev	.0005	.0052	.000	.005	.0014	.0005	.0008	.0040
%RSD	.1597	.8336	.0292	.4238	.3170	.4792	.6316	.4384

#1	.3228	.6199	1.477	1.262	.4546	.0977	.1317	.9099
#2	.3220	.6241	1.478	1.261	.4562	.0984	.1327	.9113
#3	.3218	.6303	1.477	1.270	.4575	.0986	.1334	.9174

Elem	Zn2138
Units	Cts/S
Avg	9285.
Stddev	51.
%RSD	.5497

#1	9238.
#2	9277.
#3	9339.

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2332.4	29574.	2329.3	4009.7
Stddev	4.3	77.	18.3	31.6
%RSD	.18450	.25995	.78648	.78839

#1	2328.5	29544.	2339.4	4016.9
#2	2331.5	29517.	2340.4	4037.0
#3	2337.0	29661.	2308.2	3975.0

Sample Name: CalibStd-4 00021 Acquired: 10/26/2011 9:57:43 Type: Cal

Method: 6010-2007Oct2011Master1(v8) Mode: IR Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158	Cd2265	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	54930.	.3560	.3138	18.08	1.4443	1.565	.9039	.7736
Stddev	62.	.0026	.0005	.09	.0040	.009	.0010	.0007
%RSD	.1129	.7379	.1638	.4764	.27913	.5546	.1069	.0969

#1	54900.	.3579	.3133	18.02	1.4484	1.560	.9034	.7727
#2	55000.	.3570	.3137	18.18	1.4403	1.575	.9032	.7738
#3	54890.	.3530	.3143	18.05	1.4441	1.560	.9050	.7741

Elem	Cu3273	Fe2599	Mg2790	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.6291	1.222	2.888	2.506	.8742	.1917	.2569	1.777
Stddev	.0006	.004	.004	.006	.0005	.0003	.0003	.003
%RSD	.0927	.3183	.1220	.2541	.0566	.1600	.1180	.1712

#1	.6296	1.225	2.884	2.501	.8738	.1914	.2568	1.775
#2	.6285	1.222	2.889	2.514	.8740	.1918	.2566	1.781
#3	.6293	1.218	2.891	2.504	.8747	.1920	.2572	1.776

Elem	Zn2138
Units	Cts/S
Avg	17700.
Stddev	33.
%RSD	.1852

#1	17680.
#2	17740.
#3	17680.

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2197.9	29013.	2293.3	3867.8
Stddev	1.4	49.	12.3	16.7
%RSD	.06485	.16792	.53687	.43136

#1	2197.9	29005.	2282.5	3866.2
#2	2196.4	29064.	2290.7	3852.0
#3	2199.3	28968.	2306.7	3885.3

Sample Name: ICV 200.7 00018 Acquired: 10/26/2011 10:03:16 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.4972	5.095	2.488	.2602	.25670	5.091
Stddev	.0012	.059	.020	.0044	.00541	.112
%RSD	.2377	1.153	.7980	1.691	2.1059	2.190

#1	.4977	5.094	2.510	.2609	.25838	5.127
#2	.4958	5.036	2.476	.2554	.25065	4.966
#3	.4980	5.154	2.476	.2642	.26107	5.179

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.2562	1.029	1.026	5.154	5.158	.9777
Stddev	.0018	.009	.007	.102	.037	.0063
%RSD	.6966	.8922	.7267	1.982	.7186	.6414

#1	.2581	1.038	1.033	5.157	5.195	.9832
#2	.2546	1.020	1.018	5.050	5.121	.9709
#3	.2560	1.029	1.027	5.254	5.156	.9791

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV 200.7 00018 Acquired: 10/26/2011 10:03:16 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	1.042	2.455	5.050	5.145	.7587
Stddev	.007	.022	.028	.033	.0016
%RSD	.6844	.9057	.5446	.6434	.2111
#1	1.050	2.479	5.081	5.174	.7602
#2	1.036	2.434	5.030	5.109	.7590
#3	1.040	2.453	5.038	5.153	.7570

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2546.9	30528.	2324.8	3958.9
Stddev	15.1	209.	14.7	32.3
%RSD	.59180	.68308	.63173	.81587
#1	2535.7	30323.	2330.4	3976.0
#2	2564.1	30740.	2335.9	3979.0
#3	2541.1	30521.	2308.2	3921.6

Sample Name: ICB_CCB Acquired: 10/26/2011 10:11:19 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-.0004	-.0697	-.0001	.0004	-.00007	-.0082
Stddev	.0003	.0505	.0030	.0005	.00019	.0149
%RSD	85.04	72.49	5333.	118.2	272.76	182.7
#1	-.0007	-.1196	.0002	.0009	.00005	.0042
#2	-.0003	-.0708	-.0032	.0004	-.00029	-.0040
#3	-.0001	-.0186	.0028	.0000	.00003	-.0247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0000	.0000	.0011	-.0037	-.0074	.0001
Stddev	.000	.000	.0002	.0137	.0007	.0003
%RSD	239.3	562.1	19.23	368.4	9.439	296.2
#1	.0000	.0003	.0012	-.0050	-.0080	.0000
#2	.0000	-.0002	.0008	.0106	-.0066	-.0001
#3	-.0001	-.0002	.0012	-.0168	-.0074	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB_CCB Acquired: 10/26/2011 10:11:19 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0002	.0014	-.0015	.0009	-.0015
Stddev	.0015	.0013	.0011	.0025	.0001
%RSD	704.2	90.37	76.80	266.4	4.635
#1	.0020	.0006	-.0028	.0020	-.0015
#2	-.0004	.0008	-.0011	-.0019	-.0015
#3	-.0009	.0029	-.0006	.0027	-.0014

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2729.9	30530.	2288.3	3927.6
Stddev	13.1	109.	58.0	109.4
%RSD	.48044	.35659	2.5339	2.7851
#1	2742.1	30614.	2222.5	3805.9
#2	2716.1	30407.	2310.7	3959.4
#3	2731.6	30570.	2331.8	4017.6

Sample Name: CRI 00021 Acquired: 10/26/2011 10:17:21 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0216	.5604	.0631	.0122	.00527	1.136
Stddev	.0002	.0463	.0010	.0004	.00046	.007
%RSD	.7403	8.266	1.574	3.580	8.6398	.6388
#1	.0216	.6092	.0624	.0119	.00578	1.134
#2	.0215	.5170	.0626	.0127	.00490	1.144
#3	.0218	.5549	.0642	.0119	.00514	1.130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0107	.0263	.0213	.2058	1.175	.0190
Stddev	.0001	.0001	.0003	.0244	.001	.0001
%RSD	.6188	.4441	1.358	11.85	.0953	.7243
#1	.0107	.0262	.0216	.1840	1.176	.0189
#2	.0107	.0263	.0214	.2321	1.176	.0190
#3	.0106	.0265	.0211	.2014	1.174	.0191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CRI 00021 Acquired: 10/26/2011 10:17:21 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0331	.0634	.1075	.1054	.0471
Stddev	.0002	.0006	.0009	.0012	.0001
%RSD	.6069	.9060	.8441	1.177	.1259

#1	.0333	.0637	.1078	.1060	.0471
#2	.0332	.0638	.1065	.1039	.0472
#3	.0329	.0628	.1082	.1061	.0471

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2689.7	31002.	2336.2	3935.4
Stddev	8.7	81.	8.6	30.3
%RSD	.32519	.26197	.36673	.77096

#1	2680.1	30915.	2345.6	3969.6
#2	2697.3	31075.	2334.0	3924.9
#3	2691.8	31017.	2328.9	3911.7

Sample Name: HIGH STD 00021 Acquired: 10/26/2011 10:25:46 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	3.901	39.50	19.65	9.945	.39358	79.51
Stddev	.004	.81	.03	.194	.00736	1.50
%RSD	.0979	2.059	.1331	1.950	1.8693	1.890
#1	3.897	40.31	19.63	10.15	.40139	81.12
#2	3.904	38.68	19.64	9.764	.38678	78.15
#3	3.902	39.50	19.68	9.920	.39256	79.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	1.950	1.953	1.963	39.34	78.17	1.985
Stddev	.004	.005	.007	.77	.20	.007
%RSD	.1832	.2717	.3498	1.946	.2608	.3802
#1	1.949	1.950	1.957	40.08	78.03	1.978
#2	1.947	1.951	1.963	38.55	78.08	1.984
#3	1.954	1.960	1.970	39.39	78.41	1.993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: HIGH STD 00021 Acquired: 10/26/2011 10:25:46 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	19.49	9.815	19.53	9.877	1.941
Stddev	.03	.021	.03	.012	.001
%RSD	.1331	.2127	.1417	.1259	.0241
#1	19.48	9.806	19.52	9.864	1.942
#2	19.47	9.800	19.51	9.877	1.941
#3	19.52	9.839	19.56	9.889	1.941

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2199.9	29032.	2273.9	3829.0
Stddev	4.9	64.	40.3	63.7
%RSD	.22325	.21978	1.7737	1.6628
#1	2203.8	29055.	2233.0	3760.9
#2	2201.5	29081.	2313.6	3887.0
#3	2194.4	28960.	2275.2	3839.0

Sample Name: ICSA 00037 Acquired: 10/26/2011 10:33:48 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0003	527.1	-.0106	.0007	-.00018	500.0
Stddev	.0001	4.2	.0014	.0009	.00018	5.5
%RSD	32.51	.7984	12.83	135.3	101.04	1.094
#1	.0003	522.4	-.0118	-.0002	-.00037	494.6
#2	.0003	530.6	-.0109	.0006	-.00001	505.6
#3	.0002	528.3	-.0091	.0016	-.00016	500.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0034	.0016	.0158	199.4	512.6	.0054
Stddev	.0002	.0005	.0004	1.6	2.3	.0005
%RSD	6.880	31.46	2.249	.8034	.4409	8.750
#1	.0035	.0020	.0158	197.7	513.3	.0052
#2	.0031	.0018	.0154	200.9	514.5	.0051
#3	.0036	.0010	.0161	199.5	510.1	.0060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA 00037 Acquired: 10/26/2011 10:33:48 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	-0.0126	-0.0410	.0258	-0.0027	-0.0283
Stddev	.0004	.0053	.0062	.0048	.0003
%RSD	3.492	12.85	24.01	177.3	1.061
#1	-0.0122	-0.0438	.0212	-0.0031	-0.0286
#2	-0.0130	-0.0443	.0233	.0023	-0.0282
#3	-0.0127	-0.0350	.0328	-0.0072	-0.0280

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1946.1	26729.	2175.2	3716.8
Stddev	10.1	112.	8.3	27.1
%RSD	.51915	.42046	.38175	.72879
#1	1934.5	26600.	2181.6	3740.0
#2	1951.3	26795.	2165.8	3687.0
#3	1952.6	26794.	2178.2	3723.2

Sample Name: ICSAB 00029 Acquired: 10/26/2011 10:42:20 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	2.999	504.1	10.60	3.041	1.0126	476.1
Stddev	.004	33.9	.05	.201	.0663	31.3
%RSD	.1446	6.723	.4706	6.607	6.5459	6.574
#1	2.996	516.3	10.66	3.120	1.0382	487.0
#2	2.997	465.8	10.59	2.812	.93728	440.8
#3	3.004	530.2	10.56	3.189	1.0622	500.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	2.889	2.947	3.105	189.1	498.5	3.185
Stddev	.009	.005	.013	12.5	2.2	.008
%RSD	.3075	.1847	.4041	6.618	.4333	.2632
#1	2.898	2.952	3.119	194.0	499.7	3.183
#2	2.888	2.948	3.101	174.8	496.1	3.194
#3	2.880	2.941	3.095	198.4	499.9	3.178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICSAB 00029 Acquired: 10/26/2011 10:42:20 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	9.438	10.23	5.225	10.12	2.833
Stddev	.025	.02	.014	.04	.001
%RSD	.2670	.2166	.2652	.3625	.0434

#1	9.461	10.25	5.240	10.14	2.832
#2	9.441	10.23	5.222	10.14	2.834
#3	9.411	10.21	5.212	10.08	2.834

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1851.4	26926.	2157.6	3705.8
Stddev	5.5	63.	126.9	218.3
%RSD	.29954	.23389	5.8797	5.8914

#1	1852.7	26868.	2124.0	3652.4
#2	1845.3	26916.	2297.8	3945.9
#3	1856.1	26993.	2050.9	3519.1

Sample Name: CCV 00034 Acquired: 10/26/2011 10:48:04 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	1.011	9.667	4.966	2.484	.09746	19.74
Stddev	.001	.050	.022	.019	.00081	.14
%RSD	.1415	.5193	.4464	.7630	.82953	.7198
#1	1.010	9.680	4.980	2.490	.09761	19.75
#2	1.010	9.612	4.978	2.463	.09659	19.60
#3	1.012	9.710	4.941	2.499	.09819	19.88

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.5035	.5028	.4947	9.509	20.21	.4812
Stddev	.0004	.0034	.0037	.013	.09	.0008
%RSD	.0863	.6798	.7549	.1379	.4391	.1571
#1	.5040	.5006	.4915	9.509	20.17	.4803
#2	.5034	.5011	.4937	9.496	20.14	.4818
#3	.5031	.5067	.4988	9.522	20.31	.4814

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV 00034 Acquired: 10/26/2011 10:48:04 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	5.077	2.461	4.968	2.468	.4995
Stddev	.010	.011	.018	.006	.0031
%RSD	.1916	.4326	.3732	.2394	.6118
#1	5.084	2.473	4.985	2.467	.5015
#2	5.082	2.459	4.970	2.462	.5010
#3	5.066	2.452	4.948	2.474	.4960

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2433.0	29797.	2228.7	3741.1
Stddev	16.3	132.	14.2	24.2
%RSD	.67108	.44327	.63652	.64621
#1	2443.0	29873.	2219.5	3726.1
#2	2441.9	29874.	2245.0	3769.0
#3	2414.2	29645.	2221.6	3728.3

Sample Name: ICB_CCB Acquired: 10/26/2011 10:53:38 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-.0001	.0580	-.0009	.0008	.00014	-.0020
Stddev	.0003	.0653	.0002	.0010	.00038	.0449
%RSD	238.5	112.6	25.56	126.1	276.87	2205.
#1	.0002	.1299	-.0010	.0003	.00051	.0301
#2	-.0004	.0022	-.0006	.0020	.00013	-.0534
#3	-.0002	.0420	-.0010	.0001	-.00024	.0172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0001	.0000	.0011	.0112	.0123	-.0002
Stddev	.0001	.0004	.0002	.0243	.0029	.0003
%RSD	87.76	1918.	20.19	216.7	23.84	143.5
#1	.0003	-.0001	.0013	-.0002	.0090	.0001
#2	.0001	-.0003	.0010	-.0053	.0136	-.0004
#3	.0001	.0005	.0009	.0391	.0144	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB_CCB Acquired: 10/26/2011 10:53:38 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0023	.0011	.0003	.0029	-.0013
Stddev	.0005	.0016	.0010	.0015	.0001
%RSD	23.33	147.3	304.2	50.43	8.372
#1	.0028	.0027	-.0008	.0035	-.0013
#2	.0024	.0009	.0007	.0040	-.0012
#3	.0017	-.0004	.0012	.0012	-.0014

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2725.1	30441.	2138.0	3673.2
Stddev	12.4	100.	33.8	43.2
%RSD	.45385	.32824	1.5799	1.1774
#1	2711.1	30347.	2099.2	3623.9
#2	2730.0	30429.	2160.9	3691.5
#3	2734.4	30546.	2153.9	3704.4

Sample Name: MB 580-98088/1-B Acquired: 10/26/2011 10:59:41 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-.0002	.1126	.0023	.0044	.00013	1.504
Stddev	.0004	.0957	.0018	.0012	.00022	.007
%RSD	230.4	85.02	79.44	26.41	163.93	.5003

#1	-.0005	.0612	.0008	.0054	.00039	1.510
#2	.0003	.2230	.0017	.0031	-.00001	1.506
#3	-.0004	.0535	.0043	.0047	.00003	1.496

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0001	.0012	.0006	.0435	.5744	.0021
Stddev	.0001	.0005	.0002	.0180	.0055	.0006
%RSD	105.1	39.21	42.13	41.30	.9553	30.39

#1	.0001	.0009	.0009	.0256	.5743	.0018
#2	.0002	.0017	.0004	.0615	.5690	.0028
#3	.0000	.0009	.0005	.0432	.5800	.0016

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0010	.0007	-.0006	-.0004	.0018
Stddev	.0013	.0006	.0013	.0012	.0002
%RSD	128.7	81.46	217.8	299.3	10.32

#1	.0001	.0008	-.0017	.0010	.0017
#2	.0004	.0001	-.0009	-.0011	.0020
#3	.0026	.0013	.0008	-.0011	.0017

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2078.3	26942.	2187.8	3764.3
Stddev	21.9	226.	4.7	21.1
%RSD	1.0557	.83928	.21558	.56184

#1	2097.1	27115.	2183.0	3742.1
#2	2083.5	27025.	2192.4	3784.2
#3	2054.2	26686.	2188.1	3766.7

Sample Name: LCS 580-98580/9-A Acquired: 10/26/2011 11:05:48 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.5657	4.398	4.370	4.123	.10266	21.98
Stddev	.0045	.319	.009	.226	.00526	1.36
%RSD	.8001	7.259	.2144	5.478	5.1212	6.191

#1	.5605	4.765	4.371	4.383	.10873	23.56
#2	.5675	4.190	4.379	4.016	.09957	21.22
#3	.5690	4.238	4.361	3.971	.09968	21.18

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.1017	.4003	.4601	22.16	19.69	1.062
Stddev	.0002	.0038	.0048	1.13	.16	.004
%RSD	.2406	.9387	1.053	5.082	.8297	.3473

#1	.1020	.4004	.4600	23.46	19.69	1.066
#2	.1016	.3964	.4553	21.52	19.52	1.062
#3	.1016	.4039	.4650	21.50	19.85	1.059

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.9669	3.061	4.384	3.915	.9381
Stddev	.0027	.009	.025	.011	.0087
%RSD	.2759	.2833	.5713	.2830	.9316

#1	.9699	3.068	4.370	3.928	.9338
#2	.9653	3.064	4.413	3.907	.9481
#3	.9653	3.051	4.368	3.912	.9323

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1951.6	26723.	2047.9	3498.9
Stddev	18.0	251.	99.0	173.7
%RSD	.92210	.93739	4.8323	4.9657

#1	1937.1	26549.	1936.8	3304.4
#2	1971.7	27010.	2126.5	3638.8
#3	1945.8	26611.	2080.5	3553.4

Sample Name: LCSD 580-98580/10-A Acquired: 10/26/2011 11:11:33 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.5968	4.537	4.541	4.128	.10198	21.68
Stddev	.0025	.104	.019	.022	.00015	.04
%RSD	.4261	2.300	.4254	.5250	.14751	.2064

#1	.5991	4.652	4.562	4.148	.10215	21.73
#2	.5941	4.513	4.536	4.105	.10190	21.67
#3	.5973	4.447	4.525	4.131	.10188	21.65

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.1049	.4153	.4823	21.77	20.08	1.091
Stddev	.0003	.0010	.0013	.03	.02	.003
%RSD	.2475	.2456	.2634	.1237	.0819	.2883

#1	.1052	.4161	.4831	21.77	20.06	1.093
#2	.1047	.4142	.4809	21.80	20.08	1.087
#3	.1049	.4156	.4830	21.74	20.10	1.092

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.9953	3.157	4.538	4.044	.9938
Stddev	.0005	.009	.015	.010	.0054
%RSD	.0455	.2791	.3355	.2401	.5412

#1	.9948	3.167	4.554	4.053	.9993
#2	.9956	3.151	4.525	4.034	.9886
#3	.9955	3.153	4.534	4.046	.9935

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2002.1	27347.	2191.3	3722.4
Stddev	5.7	50.	16.2	27.7
%RSD	.28672	.18245	.74064	.74489

#1	2008.7	27402.	2193.6	3704.1
#2	1999.7	27304.	2174.0	3708.9
#3	1998.0	27334.	2206.2	3754.3

Sample Name: LCSSRM 580-98580/11- Acquired: 10/26/2011 11:17:17 Type: Unk
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.5972	4.215	4.610	4.070	.10355	21.69
Stddev	.0030	.055	.005	.073	.00152	.45
%RSD	.5012	1.303	.1184	1.796	1.4648	2.093

#1	.6004	4.261	4.616	4.031	.10213	21.45
#2	.5967	4.231	4.606	4.024	.10338	21.42
#3	.5945	4.154	4.607	4.154	.10515	22.22

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.1061	.4228	.4988	22.09	20.37	1.098
Stddev	.0002	.0012	.0019	.31	.02	.003
%RSD	.2167	.2779	.3773	1.399	.1206	.3067

#1	.1061	.4242	.4966	21.78	20.40	1.096
#2	.1063	.4220	.4999	22.08	20.35	1.095
#3	.1058	.4224	.4997	22.40	20.36	1.102

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	1.001	3.197	4.571	4.083	.9798
Stddev	.001	.006	.011	.008	.0044
%RSD	.0468	.1887	.2348	.1907	.4507

#1	1.001	3.202	4.579	4.083	.9847
#2	1.0000	3.199	4.575	4.075	.9785
#3	1.001	3.190	4.559	4.091	.9761

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1965.0	26788.	2150.9	3718.7
Stddev	11.8	104.	39.3	62.3
%RSD	.60243	.38833	1.8248	1.6760

#1	1975.9	26900.	2195.9	3788.5
#2	1966.7	26770.	2132.8	3699.0
#3	1952.4	26694.	2123.9	3668.6

Sample Name: 580-29313-A-19-B sd Acquired: 10/26/2011 11:23:02 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-.0002	.0652	.0039	.1365	-.00047	11.33
Stddev	.0002	.0607	.0025	.0012	.00014	.13
%RSD	120.5	93.10	63.78	.8963	29.451	1.158

#1	.0000	-.0005	.0066	.1353	-.00045	11.32
#2	-.0001	.0770	.0029	.1377	-.00035	11.46
#3	-.0005	.1191	.0020	.1365	-.00062	11.20

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0018	.0004	.0022	.0067	.8181	.0027
Stddev	.0000	.0002	.0002	.0112	.0082	.0004
%RSD	1.966	34.24	10.56	168.5	1.007	16.33

#1	.0019	.0003	.0020	.0194	.8269	.0022
#2	.0019	.0005	.0022	-.0019	.8168	.0029
#3	.0018	.0006	.0025	.0026	.8106	.0030

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0078	-.0024	.0022	.0007	.7293
Stddev	.0004	.0020	.0008	.0023	.0016
%RSD	5.321	82.83	37.34	328.7	.2134

#1	.0077	-.0007	.0027	.0016	.7278
#2	.0076	-.0019	.0012	.0024	.7291
#3	.0083	-.0045	.0025	-.0019	.7309

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2234.5	28132.	2199.1	3823.6
Stddev	16.5	232.	2.2	12.8
%RSD	.74015	.82512	.09900	.33392

#1	2216.4	27891.	2196.9	3818.1
#2	2238.2	28152.	2201.3	3814.4
#3	2248.9	28354.	2199.0	3838.2

Sample Name: 580-29313-A-19-B Acquired: 10/26/2011 11:28:58 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-.0003	.7542	.0073	.7022	.00003	57.48
Stddev	.0001	.1337	.0011	.0027	.00020	.34
%RSD	38.61	17.73	14.86	.3782	683.80	.5907

#1	-.0005	.8982	.0068	.7052	-.00013	57.83
#2	-.0003	.6339	.0085	.7009	-.00003	57.46
#3	-.0002	.7305	.0065	.7004	.00025	57.15

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0087	.0023	.0096	.0744	3.873	.0113
Stddev	.0001	.0003	.0006	.0112	.034	.0001
%RSD	.6677	11.92	6.655	15.12	.8845	.9868

#1	.0088	.0027	.0103	.0666	3.912	.0114
#2	.0086	.0021	.0092	.0873	3.847	.0112
#3	.0087	.0022	.0093	.0693	3.861	.0112

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0422	-.0011	.0011	.0013	3.591
Stddev	.0010	.0022	.0010	.0019	.012
%RSD	2.259	188.8	86.49	144.8	.3284

#1	.0421	-.0033	.0022	.0012	3.579
#2	.0414	.0010	.0005	-.0005	3.602
#3	.0433	-.0011	.0007	.0033	3.590

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2012.7	26733.	2261.1	3869.8
Stddev	11.2	141.	29.9	49.1
%RSD	.55602	.52790	1.3207	1.2696

#1	2003.1	26579.	2229.3	3817.8
#2	2025.0	26856.	2265.5	3876.4
#3	2009.9	26764.	2288.5	3915.4

Sample Name: 580-29313-A-19-C DU Acquired: 10/26/2011 11:35:00 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-.0002	.7841	.0086	.7018	-.00026	57.22
Stddev	.0002	.0660	.0013	.0081	.00035	.28
%RSD	79.78	8.411	14.65	1.154	132.53	.4831

#1	-.0002	.7093	.0100	.7019	-.00022	57.00
#2	-.0004	.8339	.0075	.6937	.00006	57.12
#3	.0000	.8091	.0082	.7099	-.00063	57.53

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0088	.0022	.0098	.1166	3.893	.0116
Stddev	.0000	.0002	.0002	.0096	.006	.0004
%RSD	.4722	9.600	1.930	8.193	.1550	3.854

#1	.0087	.0021	.0098	.1234	3.895	.0113
#2	.0088	.0021	.0096	.1057	3.886	.0114
#3	.0088	.0025	.0100	.1207	3.897	.0121

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0434	.0002	.0021	.0007	3.652
Stddev	.0008	.0012	.0012	.0010	.024
%RSD	1.935	775.6	57.71	140.6	.6522

#1	.0431	-.0012	.0008	.0015	3.670
#2	.0444	.0006	.0031	.0011	3.662
#3	.0428	.0010	.0024	-.0004	3.625

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2020.7	26801.	2221.1	3857.7
Stddev	8.1	78.	22.9	23.4
%RSD	.40215	.29029	1.0327	.60651

#1	2029.2	26877.	2246.1	3880.5
#2	2019.8	26805.	2216.2	3858.8
#3	2013.0	26722.	2201.1	3833.8

Sample Name: 580-29313-A-19-D MS Acquired: 10/26/2011 11:41:02 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.5983	4.980	4.654	4.850	.10598	77.18
Stddev	.0063	.131	.016	.080	.00199	1.05
%RSD	1.060	2.633	.3419	1.644	1.8792	1.355

#1	.5975	5.130	4.666	4.923	.10747	78.13
#2	.5925	4.919	4.636	4.863	.10674	77.35
#3	.6051	4.890	4.661	4.765	.10372	76.06

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.1110	.4071	.5066	22.19	22.02	1.079
Stddev	.0004	.0045	.0074	.29	.18	.005
%RSD	.3445	1.109	1.452	1.307	.8038	.5072

#1	.1112	.4059	.5050	22.41	22.00	1.081
#2	.1105	.4034	.5001	22.31	21.85	1.073
#3	.1112	.4121	.5146	21.86	22.20	1.083

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.9992	3.190	4.726	3.958	4.572
Stddev	.0077	.008	.021	.017	.004
%RSD	.7719	.2475	.4484	.4398	.0895

#1	1.005	3.195	4.738	3.963	4.577
#2	.9905	3.181	4.701	3.938	4.569
#3	1.002	3.194	4.737	3.972	4.571

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1948.7	26918.	2211.8	3849.8
Stddev	5.5	68.	11.9	15.6
%RSD	.28183	.25404	.53924	.40427

#1	1948.9	26911.	2204.5	3832.8
#2	1954.0	26989.	2205.3	3853.3
#3	1943.1	26853.	2225.5	3863.3

Sample Name: 580-29313-A-19-E MSD Acquired: 10/26/2011 11:46:47 Type: Unk
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.6050	5.204	4.801	4.776	.10526	76.45
Stddev	.0014	.056	.006	.043	.00105	.69
%RSD	.2234	1.066	.1322	.8961	1.0014	.8964

#1	.6056	5.161	4.803	4.731	.10439	75.71
#2	.6034	5.267	4.806	4.783	.10496	76.59
#3	.6059	5.185	4.794	4.815	.10643	77.06

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.1136	.4166	.5233	22.35	22.63	1.097
Stddev	.0003	.0021	.0027	.17	.11	.001
%RSD	.2827	.4965	.5220	.7519	.4933	.0896

#1	.1139	.4184	.5255	22.16	22.74	1.096
#2	.1135	.4143	.5203	22.39	22.52	1.097
#3	.1133	.4170	.5242	22.49	22.64	1.098

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	1.018	3.278	4.858	4.042	4.614
Stddev	.002	.009	.011	.002	.018
%RSD	.2035	.2733	.2203	.0377	.3953

#1	1.020	3.273	4.857	4.040	4.604
#2	1.018	3.288	4.868	4.043	4.635
#3	1.016	3.272	4.847	4.043	4.604

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1938.1	26566.	2237.9	3924.2
Stddev	6.8	98.	18.6	39.6
%RSD	.35067	.36944	.83164	1.0095

#1	1935.7	26479.	2259.3	3966.4
#2	1945.8	26672.	2228.8	3918.3
#3	1932.9	26547.	2225.6	3887.9

Sample Name: 580-29313-A-19-B pds Acquired: 10/26/2011 11:52:32 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.5920	4.781	4.678	4.667	.10378	70.58
Stddev	.0069	.096	.034	.022	.00044	.26
%RSD	1.164	2.000	.7191	.4788	.42580	.3716

#1	.5959	4.871	4.642	4.687	.10394	70.86
#2	.5960	4.791	4.709	4.671	.10411	70.53
#3	.5840	4.681	4.684	4.643	.10328	70.34

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.1126	.4173	.5091	22.17	22.59	1.099
Stddev	.0008	.0052	.0090	.10	.22	.007
%RSD	.7301	1.257	1.760	.4726	.9554	.6018

#1	.1120	.4153	.5088	22.29	22.45	1.097
#2	.1136	.4233	.5183	22.10	22.84	1.106
#3	.1124	.4134	.5003	22.12	22.50	1.094

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	1.022	3.220	4.699	4.033	4.139
Stddev	.005	.018	.020	.018	.014
%RSD	.5210	.5525	.4233	.4520	.3384

#1	1.018	3.202	4.689	4.019	4.155
#2	1.028	3.237	4.722	4.054	4.131
#3	1.020	3.221	4.685	4.027	4.130

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1900.3	26121.	2216.5	3868.6
Stddev	11.9	202.	18.1	27.5
%RSD	.62887	.77432	.81570	.71040

#1	1909.9	26337.	2202.8	3846.8
#2	1886.9	25936.	2237.0	3899.5
#3	1904.0	26088.	2209.8	3859.5

Sample Name: CCV Acquired: 10/26/2011 11:58:17 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	1.007	9.680	5.084	2.482	.09912	19.57
Stddev	.002	.377	.011	.066	.00279	.59
%RSD	.1615	3.894	.2134	2.660	2.8124	3.036
#1	1.005	9.335	5.074	2.448	.09857	19.24
#2	1.007	10.08	5.095	2.558	.10213	20.26
#3	1.008	9.622	5.082	2.440	.09664	19.21

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.5104	.5026	.5038	9.772	19.97	.4826
Stddev	.0005	.0006	.0011	.325	.02	.0009
%RSD	.1054	.1167	.2186	3.322	.1059	.1862
#1	.5106	.5030	.5051	9.671	19.99	.4820
#2	.5109	.5030	.5030	10.14	19.97	.4836
#3	.5098	.5019	.5034	9.510	19.95	.4822

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 10/26/2011 11:58:17 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	5.127	2.498	5.047	2.501	.5003
Stddev	.009	.004	.007	.005	.0024
%RSD	.1835	.1461	.1300	.2120	.4869
#1	5.128	2.497	5.040	2.503	.4976
#2	5.136	2.502	5.048	2.505	.5008
#3	5.118	2.495	5.053	2.495	.5024

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2438.4	29649.	2158.9	3700.2
Stddev	7.2	106.	53.9	92.3
%RSD	.29451	.35658	2.4965	2.4949
#1	2430.5	29541.	2186.8	3757.7
#2	2440.1	29654.	2096.7	3593.7
#3	2444.6	29752.	2193.0	3749.2

Sample Name: CCB Acquired: 10/26/2011 12:06:23 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-.0002	.0041	.0000	.0010	-.00022	-.0175
Stddev	.0002	.1065	.0021	.0002	.00042	.0170
%RSD	94.52	2616.	10200.	21.73	190.90	96.85

#1	-.0001	-.1182	.0012	.0012	-.00014	-.0024
#2	-.0004	.0771	.0012	.0008	.00015	-.0143
#3	.0000	.0533	-.0024	.0011	-.00068	-.0359

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0001	-.0003	.0010	-.0049	-.0084	.0004
Stddev	.0001	.0001	.0003	.0143	.0008	.0006
%RSD	125.7	49.19	30.52	293.2	9.091	143.3

#1	.0000	-.0001	.0006	-.0202	-.0080	.0011
#2	.0000	-.0004	.0011	.0079	-.0093	-.0002
#3	.0001	-.0004	.0012	-.0023	-.0080	.0004

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/26/2011 12:06:23 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0001	.0019	-.0001	.0006	.0000
Stddev	.0010	.0020	.0014	.0025	.000
%RSD	827.7	105.9	1381.	455.2	396.1

#1	-0.0006	.0042	.0013	.0016	-0.0001
#2	.0013	.0004	-.0016	.0024	.0001
#3	-.0003	.0011	.0000	-.0023	.0000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2691.6	30025.	2154.5	3663.5
Stddev	11.6	105.	31.5	47.8
%RSD	.42993	.35126	1.4613	1.3052

#1	2678.4	29904.	2120.9	3608.5
#2	2696.6	30092.	2183.3	3695.1
#3	2699.8	30080.	2159.3	3687.0

Sample Name: 580-29313-A-20-B Acquired: 10/26/2011 12:12:27 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-.0002	1.409	.0112	.5476	.00009	41.45
Stddev	.0004	.056	.0017	.0026	.00005	.31
%RSD	226.2	3.966	14.74	.4763	56.617	.7471

#1	-.0003	1.345	.0094	.5488	.00008	41.40
#2	-.0005	1.433	.0116	.5447	.00014	41.17
#3	.0002	1.449	.0126	.5495	.00004	41.78

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0045	.0043	.0090	.1649	4.340	.0076
Stddev	.0001	.0002	.0004	.0069	.072	.0002
%RSD	2.329	4.221	4.175	4.194	1.671	3.142

#1	.0047	.0043	.0094	.1728	4.424	.0078
#2	.0044	.0041	.0087	.1620	4.296	.0073
#3	.0046	.0045	.0089	.1600	4.301	.0076

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0342	.0015	.0012	.0001	.8063
Stddev	.0009	.0001	.0032	.0009	.0051
%RSD	2.491	6.025	271.8	909.0	.6341

#1	.0342	.0016	-.0024	-.0002	.8097
#2	.0351	.0014	.0023	.0011	.8088
#3	.0334	.0014	.0037	-.0006	.8004

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1980.0	26126.	2143.1	3724.9
Stddev	20.4	350.	25.0	61.4
%RSD	1.0297	1.3387	1.1680	1.6487

#1	1957.5	25727.	2162.4	3771.5
#2	1997.3	26377.	2152.1	3747.9
#3	1985.0	26274.	2114.8	3655.3

Sample Name: 580-29313-A-21-B Acquired: 10/26/2011 12:18:28 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0000	1.311	.0119	.5015	.00013	42.92
Stddev	.000	.045	.0026	.0067	.00035	.72
%RSD	933.1	3.444	21.89	1.345	275.08	1.672

#1	.0003	1.288	.0100	.5089	.00051	43.71
#2	-.0002	1.282	.0149	.4999	-.00017	42.75
#3	-.0002	1.363	.0109	.4957	.00004	42.30

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0042	.0038	.0165	.1686	5.311	.0090
Stddev	.0000	.0002	.0002	.0116	.004	.0001
%RSD	1.088	5.472	1.258	6.868	.0771	1.537

#1	.0041	.0039	.0166	.1756	5.316	.0090
#2	.0042	.0038	.0162	.1750	5.311	.0092
#3	.0042	.0035	.0166	.1552	5.308	.0089

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0423	.0013	.0006	.0004	.9197
Stddev	.0013	.0023	.0023	.0016	.0013
%RSD	3.152	180.6	355.1	382.6	.1418

#1	.0407	.0031	.0013	.0021	.9192
#2	.0431	-.0014	-.0019	.0002	.9211
#3	.0429	.0021	.0025	-.0010	.9187

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1997.0	26306.	2122.5	3714.7
Stddev	3.3	37.	20.6	38.6
%RSD	.16556	.13932	.97063	1.0402

#1	1997.6	26294.	2099.1	3672.2
#2	2000.0	26348.	2130.5	3747.6
#3	1993.5	26277.	2138.0	3724.4

Sample Name: 580-29313-A-22-B Acquired: 10/26/2011 12:24:29 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0002	1.047	.0240	1.113	.00034	39.09
Stddev	.0005	.147	.0018	.021	.00022	.69
%RSD	281.8	14.04	7.452	1.892	65.171	1.759

#1	.0008	1.009	.0250	1.136	.00009	39.85
#2	-.0003	1.210	.0219	1.095	.00043	38.53
#3	.0001	.9234	.0250	1.108	.00049	38.88

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0043	.0038	.0457	.3979	4.167	.0217
Stddev	.0001	.0005	.0006	.0108	.037	.0002
%RSD	1.262	12.37	1.229	2.723	.8942	.7620

#1	.0043	.0034	.0451	.4012	4.146	.0216
#2	.0044	.0044	.0462	.4066	4.210	.0219
#3	.0043	.0037	.0456	.3858	4.144	.0215

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.5299	.0030	.0020	-.0061	4.912
Stddev	.0018	.0026	.0019	.0031	.050
%RSD	.3444	85.17	96.55	51.70	1.020

#1	.5298	.0052	.0010	-.0060	4.970
#2	.5318	.0037	.0041	-.0029	4.881
#3	.5282	.0002	.0008	-.0092	4.885

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1969.0	25829.	2111.0	3680.6
Stddev	14.3	196.	27.2	61.7
%RSD	.72388	.75882	1.2870	1.6766

#1	1981.8	25995.	2079.8	3609.4
#2	1953.6	25613.	2129.6	3718.5
#3	1971.6	25879.	2123.6	3714.0

Sample Name: CCV Acquired: 10/26/2011 12:30:29 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.9830	9.851	4.964	2.446	.09991	19.23
Stddev	.0034	.047	.004	.014	.00066	.11
%RSD	.3434	.4775	.0732	.5663	.65882	.5501
#1	.9817	9.823	4.962	2.462	.10056	19.33
#2	.9869	9.906	4.968	2.435	.09993	19.12
#3	.9805	9.825	4.961	2.441	.09924	19.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.5041	.5051	.5073	9.731	20.05	.4739
Stddev	.0003	.0023	.0033	.022	.11	.0012
%RSD	.0661	.4546	.6494	.2229	.5282	.2509
#1	.5041	.5027	.5038	9.722	19.93	.4734
#2	.5044	.5073	.5103	9.755	20.14	.4753
#3	.5038	.5054	.5077	9.715	20.08	.4731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/26/2011 12:30:29 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	5.059	2.454	4.889	2.456	.4806
Stddev	.004	.005	.011	.005	.0023
%RSD	.0897	.2004	.2167	.2211	.4785
#1	5.057	2.459	4.896	2.458	.4833
#2	5.064	2.450	4.894	2.461	.4795
#3	5.056	2.451	4.877	2.450	.4791

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2389.0	28959.	2101.8	3634.3
Stddev	7.6	92.	13.2	25.0
%RSD	.31637	.31812	.62989	.68796
#1	2396.5	29063.	2095.3	3606.9
#2	2381.4	28891.	2093.0	3640.4
#3	2389.0	28921.	2117.0	3655.8

Sample Name: CCB Acquired: 10/26/2011 12:38:33 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-.0004	.0222	.0009	.0021	-.00002	-.0296
Stddev	.0005	.1319	.0020	.0004	.00013	.0168
%RSD	123.2	593.7	231.3	17.57	768.99	56.55
#1	-.0005	.0093	.0026	.0023	-.00006	-.0240
#2	.0001	.1600	-.0014	.0024	.00013	-.0485
#3	-.0008	-.1027	.0014	.0017	-.00012	-.0165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0000	.0000	.0010	-.0117	-.0101	.0001
Stddev	.0001	.0001	.0006	.0200	.0012	.0006
%RSD	268.4	1869.	58.25	170.9	12.04	764.6
#1	-.0001	-.0001	.0009	-.0300	-.0106	.0005
#2	.0001	.0001	.0005	.0096	-.0110	.0003
#3	.0000	.0000	.0017	-.0147	-.0087	-.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/26/2011 12:38:33 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	-.0001	.0012	-.0024	.0002	-.0003
Stddev	.0012	.0008	.0020	.0013	.0001
%RSD	771.1	68.54	82.94	800.7	44.04
#1	.0008	.0004	-.0046	-.0012	-.0003
#2	-.0014	.0020	-.0018	.0003	-.0004
#3	.0002	.0011	-.0008	.0013	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2670.8	29679.	2036.2	3541.2
Stddev	16.9	128.	34.9	52.2
%RSD	.63269	.43211	1.7121	1.4731
#1	2658.3	29564.	1996.0	3482.1
#2	2664.1	29655.	2057.7	3580.9
#3	2690.0	29817.	2054.8	3560.6

Sample Name: MB 580-98076/1-B Acquired: 10/26/2011 12:44:36 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-.0003	.1242	.0033	.0037	-.00022	.8769
Stddev	.0003	.0195	.0018	.0015	.00010	.0255
%RSD	77.37	15.72	55.72	40.20	48.224	2.908

#1	-.0001	.1293	.0049	.0051	-.00033	.9029
#2	-.0002	.1406	.0037	.0039	-.00014	.8757
#3	-.0006	.1026	.0013	.0021	-.00018	.8520

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0001	.0009	.0026	.0526	.3143	.0022
Stddev	.0001	.0004	.0005	.0162	.0029	.0004
%RSD	75.37	41.05	18.79	30.83	.9110	18.94

#1	.0001	.0012	.0031	.0514	.3173	.0024
#2	.0002	.0012	.0023	.0370	.3142	.0024
#3	.0000	.0005	.0024	.0693	.3115	.0017

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0003	.0013	.0001	-.0001	.0040
Stddev	.0010	.0040	.0029	.0005	.0001
%RSD	334.9	296.2	3649.	608.5	1.974

#1	-.0001	.0041	.0023	.0005	.0041
#2	.0014	-.0032	.0012	-.0002	.0039
#3	-.0004	.0031	-.0032	-.0006	.0041

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2080.0	26712.	2070.4	3574.2
Stddev	18.6	186.	18.5	29.1
%RSD	.89474	.69591	.89209	.81458

#1	2067.7	26616.	2071.3	3556.4
#2	2070.9	26593.	2088.5	3607.8
#3	2101.4	26926.	2051.5	3558.4

Sample Name: LCS 580-98565/23-A Acquired: 10/26/2011 12:50:45 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.5796	4.256	4.591	4.044	.10473	20.66
Stddev	.0057	.065	.027	.041	.00137	.17
%RSD	.9872	1.533	.5945	1.017	1.3075	.8009

#1	.5744	4.221	4.623	3.996	.10333	20.47
#2	.5787	4.215	4.579	4.070	.10479	20.78
#3	.5858	4.331	4.572	4.065	.10607	20.71

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.1073	.4183	.4963	22.50	19.88	1.094
Stddev	.0007	.0009	.0015	.20	.08	.008
%RSD	.6394	.2222	.2941	.8996	.4263	.7023

#1	.1080	.4187	.4964	22.31	19.97	1.102
#2	.1070	.4172	.4948	22.71	19.81	1.092
#3	.1068	.4189	.4977	22.49	19.86	1.087

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	1.017	3.208	4.473	4.119	.9732
Stddev	.007	.018	.013	.023	.0035
%RSD	.6711	.5715	.2787	.5525	.3607

#1	1.024	3.228	4.487	4.138	.9705
#2	1.018	3.203	4.467	4.125	.9720
#3	1.010	3.192	4.465	4.094	.9772

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1991.5	26708.	2029.8	3548.3
Stddev	18.9	237.	20.3	40.7
%RSD	.94830	.88687	1.0004	1.1461

#1	1973.2	26452.	2045.7	3583.7
#2	1990.5	26751.	2006.9	3503.9
#3	2010.9	26920.	2036.9	3557.2

Sample Name: LCSD 580-98565/24-A Acquired: 10/26/2011 12:56:30 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.5907	4.355	4.614	4.124	.10440	20.98
Stddev	.0054	.145	.008	.034	.00037	.16
%RSD	.9214	3.322	.1662	.8174	.35418	.7750

#1	.5939	4.355	4.607	4.131	.10472	21.00
#2	.5937	4.211	4.622	4.154	.10449	21.14
#3	.5844	4.500	4.611	4.088	.10399	20.81

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.1066	.4167	.4947	22.51	19.89	1.091
Stddev	.0004	.0083	.0097	.12	.34	.004
%RSD	.3285	1.992	1.960	.5322	1.688	.3613

#1	.1069	.4249	.5044	22.63	20.22	1.095
#2	.1067	.4171	.4949	22.52	19.90	1.091
#3	.1062	.4083	.4850	22.39	19.55	1.087

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	1.004	3.227	4.516	4.097	.9710
Stddev	.005	.005	.011	.011	.0102
%RSD	.5199	.1652	.2433	.2781	1.048

#1	1.009	3.221	4.509	4.108	.9596
#2	1.003	3.230	4.529	4.098	.9740
#3	.9987	3.230	4.510	4.085	.9793

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1973.9	26642.	2137.4	3688.5
Stddev	23.3	312.	20.5	32.9
%RSD	1.1827	1.1704	.95789	.89266

#1	1948.7	26316.	2119.4	3655.7
#2	1978.1	26673.	2159.7	3721.6
#3	1994.8	26937.	2133.1	3688.1

Sample Name: LCSSRM 580-98565/25- Acquired: 10/26/2011 13:02:15 Type: Unk
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.6011	4.275	4.637	4.136	.10595	20.97
Stddev	.0034	.173	.006	.023	.00099	.08
%RSD	.5689	4.040	.1357	.5560	.93206	.3780

#1	.6031	4.168	4.643	4.157	.10656	21.06
#2	.5972	4.182	4.631	4.139	.10648	20.95
#3	.6030	4.474	4.638	4.112	.10481	20.90

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.1077	.4225	.5043	22.91	20.20	1.095
Stddev	.0003	.0008	.0007	.07	.03	.003
%RSD	.2688	.1899	.1312	.3112	.1298	.2880

#1	.1080	.4234	.5048	22.89	20.21	1.097
#2	.1079	.4220	.5036	22.98	20.22	1.096
#3	.1074	.4220	.5046	22.85	20.17	1.091

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	1.022	3.239	4.479	4.151	.9924
Stddev	.001	.012	.009	.007	.0046
%RSD	.1166	.3544	.2008	.1764	.4612

#1	1.023	3.247	4.489	4.154	.9953
#2	1.023	3.226	4.471	4.155	.9872
#3	1.021	3.244	4.478	4.142	.9949

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2042.0	27236.	2155.3	3760.1
Stddev	10.5	125.	6.7	5.7
%RSD	.51295	.45772	.31216	.15068

#1	2042.7	27267.	2162.0	3761.9
#2	2031.2	27099.	2155.3	3764.6
#3	2052.1	27342.	2148.5	3753.7

Sample Name: 580-29313-A-1-B sd Acquired: 10/26/2011 13:08:01 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-.0001	.2322	.0028	.1349	-.00006	6.602
Stddev	.0004	.1442	.0013	.0025	.00043	.146
%RSD	374.1	62.09	44.33	1.837	709.01	2.209

#1	-.0002	.2244	.0018	.1331	.00044	6.493
#2	-.0004	.0921	.0043	.1340	-.00025	6.547
#3	.0003	.3801	.0025	.1378	-.00037	6.768

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0004	.0002	.0024	.0208	.8975	.0013
Stddev	.0001	.0001	.0002	.0175	.0038	.0001
%RSD	16.52	51.66	8.857	84.09	.4276	10.16

#1	.0004	.0004	.0022	.0242	.8975	.0012
#2	.0005	.0001	.0025	.0018	.8936	.0013
#3	.0004	.0003	.0026	.0362	.9013	.0015

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0022	-.0008	.0025	.0021	.0107
Stddev	.0006	.0016	.0018	.0017	.0002
%RSD	27.44	207.9	72.85	78.19	1.972

#1	.0029	.0003	.0046	.0018	.0106
#2	.0018	.0000	.0018	.0007	.0110
#3	.0020	-.0026	.0012	.0040	.0106

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2276.9	28373.	2129.3	3724.1
Stddev	7.2	123.	15.0	45.5
%RSD	.31776	.43362	.70281	1.2228

#1	2269.6	28259.	2145.8	3767.4
#2	2284.0	28503.	2125.3	3728.2
#3	2277.0	28357.	2116.7	3676.6

Sample Name: 580-29313-A-1-B Acquired: 10/26/2011 13:14:01 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0000	.5971	.0083	.6773	-.00004	32.66
Stddev	.000	.0704	.0013	.0030	.00022	.09
%RSD	750.4	11.79	15.29	.4473	538.85	.2802

#1	.0000	.5409	.0073	.6744	-.00012	32.59
#2	.0001	.5743	.0079	.6805	.00021	32.76
#3	-.0002	.6760	.0098	.6772	-.00021	32.63

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0028	.0015	.0060	.0487	4.343	.0041
Stddev	.0001	.0002	.0002	.0058	.018	.0003
%RSD	2.960	16.16	2.704	11.88	.4113	8.456

#1	.0029	.0017	.0061	.0494	4.332	.0040
#2	.0029	.0012	.0062	.0425	4.364	.0037
#3	.0028	.0015	.0059	.0540	4.334	.0044

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0128	-.0001	.0017	.0014	.0526
Stddev	.0009	.0016	.0037	.0018	.0004
%RSD	7.041	1153.	220.7	126.9	.8139

#1	.0119	-.0007	-.0020	.0036	.0531
#2	.0137	.0017	.0016	.0006	.0523
#3	.0129	-.0014	.0054	.0002	.0523

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2016.9	26452.	2204.8	3831.9
Stddev	12.2	119.	6.3	8.0
%RSD	.60670	.44964	.28393	.20973

#1	2031.0	26588.	2202.1	3841.2
#2	2009.4	26371.	2212.0	3826.5
#3	2010.2	26397.	2200.4	3828.1

Sample Name: 580-29313-A-1-C DU Acquired: 10/26/2011 13:20:08 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0000	.5157	.0089	.6477	-.00032	31.46
Stddev	.0004	.0217	.0031	.0019	.00035	.22
%RSD	961.8	4.204	35.28	.2896	110.07	.7093

#1	-.0002	.4976	.0102	.6493	-.00072	31.32
#2	.0005	.5097	.0111	.6456	-.00013	31.34
#3	-.0001	.5397	.0053	.6481	-.00010	31.71

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0028	.0012	.0057	.0473	4.240	.0036
Stddev	.0001	.0001	.0004	.0076	.007	.0006
%RSD	2.824	9.220	7.541	16.15	.1553	16.79

#1	.0029	.0012	.0053	.0399	4.239	.0029
#2	.0028	.0011	.0056	.0551	4.247	.0041
#3	.0028	.0014	.0062	.0469	4.234	.0037

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0119	.0006	.0000	-.0005	.0525
Stddev	.0005	.0010	.003	.0011	.0003
%RSD	3.981	161.8	8901.	248.8	.5383

#1	.0115	.0017	-.0032	-.0007	.0523
#2	.0117	-.0001	.0005	-.0014	.0525
#3	.0124	.0002	.0026	.0008	.0528

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2020.2	26435.	2188.0	3793.0
Stddev	3.3	11.	42.4	74.8
%RSD	.16306	.04326	1.9388	1.9721

#1	2016.8	26446.	2229.6	3860.4
#2	2020.3	26423.	2189.5	3806.0
#3	2023.4	26437.	2144.8	3712.5

Sample Name: 580-29313-A-1-E MSD Acquired: 10/26/2011 13:31:57 Type: Unk
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.5782	4.643	4.727	4.707	.10252	51.98
Stddev	.0012	.219	.009	.022	.00091	.33
%RSD	.2120	4.724	.1844	.4583	.88713	.6351

#1	.5786	4.867	4.735	4.688	.10226	51.69
#2	.5791	4.634	4.717	4.730	.10177	52.34
#3	.5768	4.429	4.727	4.703	.10353	51.91

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.1068	.4066	.5003	21.83	22.90	1.072
Stddev	.0005	.0008	.0004	.12	.08	.004
%RSD	.4318	.1985	.0703	.5713	.3536	.3615

#1	.1073	.4072	.5007	21.74	22.97	1.076
#2	.1065	.4068	.5002	21.98	22.91	1.070
#3	.1066	.4057	.5000	21.78	22.81	1.069

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.9815	3.224	4.674	4.000	1.003
Stddev	.0038	.017	.016	.018	.003
%RSD	.3885	.5304	.3488	.4452	.2640

#1	.9859	3.236	4.692	4.020	1.006
#2	.9796	3.204	4.660	3.988	1.002
#3	.9791	3.231	4.671	3.990	1.002

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1925.4	26208.	2144.3	3728.3
Stddev	5.7	51.	24.7	47.3
%RSD	.29697	.19413	1.1500	1.2677

#1	1919.0	26173.	2172.3	3782.1
#2	1930.1	26266.	2134.7	3708.9
#3	1926.9	26185.	2125.9	3693.7

Sample Name: 580-29313-A-1-B pds Acquired: 10/26/2011 13:37:42 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.6218	4.642	4.819	4.696	.10580	48.35
Stddev	.0019	.102	.011	.046	.00116	.52
%RSD	.3015	2.190	.2244	.9800	1.0990	1.083

#1	.6227	4.756	4.807	4.741	.10694	48.87
#2	.6230	4.562	4.821	4.649	.10462	47.82
#3	.6196	4.608	4.829	4.700	.10585	48.37

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.1092	.4217	.5246	22.49	23.20	1.104
Stddev	.0003	.0009	.0015	.17	.07	.002
%RSD	.2902	.2118	.2775	.7349	.2903	.1900

#1	.1089	.4210	.5257	22.68	23.14	1.102
#2	.1095	.4227	.5250	22.39	23.28	1.106
#3	.1094	.4213	.5229	22.41	23.19	1.105

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	1.010	3.308	4.797	4.107	1.053
Stddev	.001	.012	.014	.008	.001
%RSD	.1293	.3585	.2903	.2037	.1045

#1	1.010	3.298	4.784	4.106	1.053
#2	1.012	3.307	4.795	4.116	1.052
#3	1.010	3.321	4.812	4.099	1.055

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1968.9	26867.	2259.7	3985.7
Stddev	6.4	79.	28.4	47.9
%RSD	.32426	.29559	1.2554	1.2028

#1	1974.3	26959.	2227.1	3932.5
#2	1961.9	26818.	2273.1	4025.4
#3	1970.6	26825.	2278.9	3999.4

Sample Name: CCV Acquired: 10/26/2011 13:43:27 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	1.037	9.716	5.081	2.488	.10030	19.17
Stddev	.003	.472	.016	.080	.00306	.59
%RSD	.2691	4.856	.3102	3.203	3.0548	3.058
#1	1.034	9.441	5.099	2.415	.09721	18.62
#2	1.038	10.26	5.078	2.573	.10333	19.79
#3	1.039	9.446	5.067	2.476	.10035	19.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.5035	.4955	.5094	9.690	19.49	.4720
Stddev	.0014	.0012	.0014	.374	.05	.0009
%RSD	.2872	.2420	.2822	3.864	.2792	.1886
#1	.5047	.4963	.5096	9.310	19.47	.4729
#2	.5038	.4960	.5108	10.06	19.55	.4711
#3	.5019	.4941	.5079	9.701	19.46	.4720
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/26/2011 13:43:27 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	5.037	2.492	4.970	2.470	.5092
Stddev	.012	.007	.014	.008	.0007
%RSD	.2325	.2666	.2744	.3360	.1361
#1	5.049	2.498	4.982	2.471	.5093
#2	5.038	2.492	4.974	2.477	.5085
#3	5.025	2.485	4.955	2.461	.5099

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2557.0	30817.	2222.0	3857.1
Stddev	3.9	86.	58.1	100.8
%RSD	.15225	.27966	2.6154	2.6146
#1	2554.2	30761.	2281.2	3958.1
#2	2555.3	30773.	2165.0	3756.4
#3	2561.4	30916.	2219.9	3856.8

Sample Name: CCB Acquired: 10/26/2011 13:51:31 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-.0004	-.0081	.0000	.0008	.00014	-.0058
Stddev	.0004	.1174	.000	.0012	.00015	.0285
%RSD	109.9	1455.	3564.	157.6	110.96	488.8
#1	-.0001	.0893	.0003	.0004	.00031	-.0281
#2	-.0002	-.1385	-.0001	.0022	.00003	.0263
#3	-.0008	.0250	-.0002	-.0002	.00007	-.0158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0000	.0001	.0009	-.0043	-.0081	.0002
Stddev	.000	.0001	.0001	.0157	.0021	.0003
%RSD	1219.	46.17	7.278	366.0	26.27	127.4
#1	.0000	.0001	.0009	.0111	-.0100	.0000
#2	.0001	.0002	.0010	-.0038	-.0058	.0001
#3	-.0001	.0001	.0008	-.0202	-.0084	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/26/2011 13:51:31 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	-.0008	.0011	.0007	.0001	-.0002
Stddev	.0011	.0011	.0015	.0016	.0001
%RSD	136.2	101.0	227.0	2191.	65.77

#1	.0001	.0015	-0.0009	.0003	-.0001
#2	-0.0006	.0019	.0007	.0015	-.0004
#3	-.0021	-.0002	.0021	-.0016	-.0001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2795.9	30876.	2226.3	3867.9
Stddev	15.6	175.	58.9	100.4
%RSD	.55640	.56638	2.6453	2.5961

#1	2782.1	30742.	2268.6	3933.2
#2	2792.9	30812.	2159.1	3752.3
#3	2812.8	31074.	2251.4	3918.2

Sample Name: 580-29313-A-3-B Acquired: 10/26/2011 13:57:34 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0004	.8704	.0072	.6843	.00009	24.80
Stddev	.0001	.0592	.0013	.0110	.00037	.40
%RSD	31.97	6.797	17.35	1.610	397.45	1.604

#1	.0004	.8180	.0058	.6967	.00049	25.24
#2	.0002	.9345	.0079	.6808	-.00024	24.72
#3	.0005	.8585	.0080	.6755	.00003	24.45

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0031	.0031	.0045	.0648	2.845	.0046
Stddev	.0001	.0002	.0001	.0233	.007	.0002
%RSD	3.382	7.317	3.018	36.05	.2490	4.824

#1	.0032	.0030	.0045	.0883	2.839	.0048
#2	.0030	.0034	.0046	.0643	2.844	.0046
#3	.0030	.0030	.0043	.0417	2.853	.0044

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0113	.0005	.0011	-.0011	.1451
Stddev	.0009	.0017	.0030	.0003	.0013
%RSD	7.837	305.1	273.6	27.47	.9011

#1	.0104	-.0013	-.0004	-.0014	.1464
#2	.0114	.0011	-.0009	-.0008	.1438
#3	.0122	.0018	.0046	-.0011	.1450

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2071.0	27096.	2267.1	3935.4
Stddev	6.5	66.	34.4	50.9
%RSD	.31161	.24288	1.5171	1.2937

#1	2075.3	27162.	2231.7	3884.9
#2	2063.6	27030.	2269.1	3934.5
#3	2074.1	27096.	2300.4	3986.7

Sample Name: 580-29313-A-4-B Acquired: 10/26/2011 14:03:37 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-.0003	.8748	.0095	.7408	.00005	38.69
Stddev	.0007	.0701	.0017	.0112	.00022	.58
%RSD	193.7	8.016	17.90	1.512	420.42	1.508

#1	-.0011	.7958	.0076	.7322	-.00018	38.12
#2	.0001	.8989	.0108	.7367	.00009	38.66
#3	.0000	.9297	.0102	.7535	.00025	39.29

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0023	.0029	.0079	.0966	4.531	.0044
Stddev	.0000	.0002	.0000	.0154	.017	.0005
%RSD	2.103	7.973	.3933	15.99	.3687	11.66

#1	.0023	.0026	.0079	.0790	4.539	.0048
#2	.0024	.0030	.0080	.1081	4.542	.0038
#3	.0023	.0030	.0079	.1026	4.512	.0045

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0161	.0070	.0030	.0011	.1159
Stddev	.0003	.0016	.0024	.0017	.0003
%RSD	1.991	22.04	81.92	155.4	.2665

#1	.0164	.0057	.0003	.0009	.1161
#2	.0161	.0088	.0035	-.0005	.1156
#3	.0157	.0066	.0051	.0028	.1161

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2080.5	27209.	2235.6	3925.5
Stddev	7.5	95.	58.7	92.0
%RSD	.35826	.35051	2.6259	2.3444

#1	2078.3	27156.	2298.7	4028.5
#2	2074.5	27151.	2225.7	3896.5
#3	2088.9	27319.	2182.5	3851.4

Sample Name: 580-29313-A-5-B Acquired: 10/26/2011 14:09:39 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-.0005	.8997	.0090	.8428	.00002	33.14
Stddev	.0002	.1496	.0017	.0024	.00033	.08
%RSD	51.38	16.63	18.81	.2868	1449.6	.2483

#1	-.0004	1.069	.0093	.8422	.00009	33.14
#2	-.0002	.7858	.0106	.8407	.00032	33.06
#3	-.0007	.8440	.0072	.8454	-.00034	33.23

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0029	.0022	.0097	.0841	4.847	.0069
Stddev	.0001	.0004	.0003	.0122	.023	.0004
%RSD	2.671	18.42	2.993	14.50	.4671	5.571

#1	.0030	.0022	.0096	.0757	4.849	.0073
#2	.0028	.0019	.0095	.0786	4.823	.0070
#3	.0029	.0027	.0100	.0981	4.868	.0065

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0144	.0034	-.0017	-.0010	.0999
Stddev	.0019	.0009	.0021	.0013	.0006
%RSD	13.52	26.00	126.3	129.2	.6334

#1	.0154	.0038	.0006	-.0016	.1003
#2	.0156	.0041	-.0037	-.0020	.1003
#3	.0121	.0024	-.0020	.0005	.0992

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2083.4	27273.	2251.5	3931.2
Stddev	6.7	103.	21.0	31.4
%RSD	.32206	.37838	.93063	.79984

#1	2084.0	27316.	2275.4	3965.1
#2	2089.7	27347.	2242.6	3925.5
#3	2076.4	27155.	2236.5	3903.0

Sample Name: 580-29313-A-6-B Acquired: 10/26/2011 14:15:42 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-.0001	.5660	.0057	.6250	.00007	40.35
Stddev	.0001	.0499	.0032	.0016	.00019	.08
%RSD	101.7	8.810	55.29	.2618	256.42	.1987

#1	-.0003	.5728	.0044	.6258	.00028	40.44
#2	-.0002	.6121	.0034	.6261	-.00007	40.32
#3	.0000	.5131	.0093	.6231	.00001	40.29

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0031	.0022	.0046	.0693	5.128	.0027
Stddev	.0001	.0001	.0004	.0160	.026	.0004
%RSD	2.101	4.878	9.087	23.12	.5132	14.80

#1	.0032	.0022	.0041	.0522	5.132	.0032
#2	.0031	.0021	.0049	.0718	5.152	.0026
#3	.0030	.0023	.0047	.0839	5.100	.0024

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0109	.0024	.0009	-.0007	.0306
Stddev	.0001	.0022	.0015	.0009	.0001
%RSD	1.341	90.66	169.8	138.7	.3813

#1	.0110	.0005	.0024	-.0013	.0305
#2	.0108	.0048	-.0007	.0004	.0307
#3	.0110	.0020	.0010	-.0011	.0307

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2078.8	27130.	2272.1	3970.1
Stddev	7.3	62.	5.5	1.7
%RSD	.34994	.22785	.24277	.04232

#1	2080.4	27108.	2272.8	3971.4
#2	2070.9	27082.	2266.3	3968.2
#3	2085.2	27200.	2277.3	3970.7

Sample Name: 580-29313-A-7-B Acquired: 10/26/2011 14:21:48 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0002	1.460	.0044	.9639	.00030	17.88
Stddev	.0002	.059	.0008	.0183	.00012	.25
%RSD	72.05	4.066	17.57	1.901	41.090	1.396

#1	.0001	1.527	.0043	.9428	.00037	17.59
#2	.0002	1.438	.0052	.9736	.00037	18.05
#3	.0004	1.414	.0036	.9753	.00016	17.99

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0033	.0037	.0064	.0790	2.788	.0045
Stddev	.0000	.0002	.0001	.0061	.015	.0006
%RSD	.9576	4.381	1.054	7.781	.5278	13.09

#1	.0033	.0038	.0065	.0737	2.805	.0039
#2	.0033	.0035	.0064	.0774	2.782	.0045
#3	.0032	.0038	.0064	.0857	2.777	.0050

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0211	.0014	.0012	-.0010	.0631
Stddev	.0014	.0024	.0021	.0014	.0004
%RSD	6.550	172.5	185.4	149.0	.5967

#1	.0199	.0038	.0014	.0002	.0633
#2	.0208	-.0010	-.0011	-.0005	.0627
#3	.0226	.0013	.0032	-.0026	.0634

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2068.9	27021.	2240.7	3915.8
Stddev	6.4	63.	35.4	68.0
%RSD	.31162	.23421	1.5798	1.7365

#1	2061.6	26953.	2273.7	3987.5
#2	2073.9	27033.	2203.3	3852.2
#3	2071.1	27078.	2245.2	3907.8

Sample Name: 580-29313-A-8-B Acquired: 10/26/2011 14:27:54 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-.0002	1.068	.0054	1.100	.00022	21.76
Stddev	.0001	.138	.0012	.009	.00032	.16
%RSD	71.15	12.88	22.31	.7937	142.91	.7268

#1	-.0001	1.182	.0040	1.107	.00051	21.94
#2	-.0001	.9151	.0058	1.103	-.00012	21.68
#3	-.0003	1.105	.0063	1.090	.00028	21.65

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0026	.0026	.0050	.0624	2.634	.0032
Stddev	.0001	.0002	.0002	.0227	.011	.0007
%RSD	2.416	8.079	3.361	36.33	.4348	21.13

#1	.0026	.0028	.0052	.0868	2.643	.0026
#2	.0025	.0025	.0050	.0586	2.621	.0039
#3	.0027	.0024	.0049	.0419	2.637	.0031

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0106	.0021	.0016	-.0007	.0158
Stddev	.0016	.0024	.0025	.0007	.0001
%RSD	15.22	116.7	155.0	104.8	.8665

#1	.0112	.0048	.0028	-.0013	.0159
#2	.0117	.0002	.0034	.0001	.0157
#3	.0087	.0012	-.0013	-.0009	.0160

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2057.7	26843.	2209.3	3879.0
Stddev	4.1	46.	5.5	27.5
%RSD	.19711	.17115	.25000	.70770

#1	2053.3	26825.	2202.9	3849.9
#2	2061.4	26895.	2212.3	3904.4
#3	2058.3	26809.	2212.6	3882.8

Sample Name: 580-29313-A-9-B Acquired: 10/26/2011 14:34:01 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0002	1.133	.0080	.7623	.00004	27.23
Stddev	.0002	.083	.0016	.0127	.00039	.39
%RSD	99.64	7.298	20.28	1.664	939.04	1.449

#1	.0002	1.067	.0094	.7765	.00047	27.69
#2	.0000	1.226	.0084	.7587	-.00003	27.05
#3	.0004	1.107	.0062	.7519	-.00031	26.96

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0038	.0034	.0053	.1437	3.875	.0052
Stddev	.0001	.0003	.0003	.0089	.012	.0004
%RSD	1.816	9.499	4.872	6.207	.3118	8.616

#1	.0039	.0035	.0055	.1443	3.865	.0047
#2	.0037	.0036	.0050	.1346	3.872	.0055
#3	.0038	.0030	.0053	.1524	3.889	.0053

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0222	.0024	.0029	.0008	.0362
Stddev	.0015	.0009	.0020	.0008	.0002
%RSD	6.762	39.35	69.46	97.59	.4484

#1	.0239	.0021	.0008	.0015	.0362
#2	.0216	.0016	.0030	-.0001	.0364
#3	.0211	.0034	.0048	.0011	.0360

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2078.8	27166.	2287.4	4004.7
Stddev	3.3	41.	14.0	34.2
%RSD	.15859	.15160	.61145	.85288

#1	2082.3	27204.	2271.9	3968.1
#2	2075.8	27173.	2299.0	4035.6
#3	2078.1	27122.	2291.4	4010.6

Sample Name: 580-29313-A-10-B Acquired: 10/26/2011 14:40:06 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0001	1.013	.0076	1.107	.00014	25.63
Stddev	.0002	.105	.0016	.015	.00032	.32
%RSD	186.1	10.36	20.84	1.392	233.69	1.246

#1	-.0001	.8966	.0065	1.089	-.00012	25.26
#2	.0002	1.100	.0094	1.116	.00050	25.86
#3	.0001	1.042	.0069	1.117	.00004	25.76

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0022	.0032	.0047	.0988	3.439	.0025
Stddev	.0001	.0001	.0005	.0144	.024	.0003
%RSD	4.742	4.167	10.45	14.61	.7053	13.56

#1	.0022	.0031	.0043	.0874	3.420	.0022
#2	.0021	.0032	.0052	.1150	3.431	.0029
#3	.0023	.0034	.0045	.0940	3.467	.0025

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0077	.0001	.0029	-.0015	.0177
Stddev	.0011	.0020	.0032	.0016	.0000
%RSD	13.66	2584.	108.0	104.1	.2817

#1	.0080	.0002	.0025	-.0015	.0177
#2	.0066	-.0020	.0063	.0000	.0177
#3	.0086	.0021	.0000	-.0032	.0176

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2048.4	26794.	2249.0	3935.7
Stddev	7.3	132.	31.6	52.2
%RSD	.35873	.49430	1.4060	1.3270

#1	2055.8	26896.	2284.6	3995.4
#2	2048.4	26841.	2224.4	3912.9
#3	2041.1	26644.	2237.8	3898.7

Sample Name: CCV Acquired: 10/26/2011 14:46:10 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.9943	9.936	5.041	2.517	.10300	19.42
Stddev	.0014	.095	.016	.046	.00072	.37
%RSD	.1412	.9602	.3066	1.812	.70148	1.910
#1	.9959	9.922	5.025	2.531	.10351	19.50
#2	.9936	10.04	5.042	2.555	.10333	19.75
#3	.9933	9.848	5.056	2.466	.10217	19.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.5055	.5012	.5085	9.866	19.74	.4722
Stddev	.0001	.0025	.0032	.191	.06	.0010
%RSD	.0194	.4993	.6371	1.932	.3137	.2138
#1	.5056	.5031	.5117	9.998	19.79	.4732
#2	.5054	.5022	.5086	9.954	19.77	.4723
#3	.5056	.4984	.5052	9.648	19.67	.4712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/26/2011 14:46:10 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	5.062	2.478	4.943	2.463	.4897
Stddev	.006	.006	.003	.006	.0015
%RSD	.1130	.2633	.0562	.2274	.3103

#1	5.065	2.471	4.940	2.458	.4891
#2	5.066	2.482	4.944	2.461	.4886
#3	5.056	2.482	4.946	2.469	.4914

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2446.0	29457.	2077.4	3618.4
Stddev	8.2	96.	21.7	40.8
%RSD	.33397	.32474	1.0453	1.1275

#1	2441.4	29395.	2062.1	3603.6
#2	2441.2	29408.	2067.9	3587.1
#3	2455.5	29567.	2102.3	3664.5

Sample Name: CCB Acquired: 10/26/2011 14:54:16 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-0.0002	.0722	-0.0007	.0014	-0.00025	-0.0214
Stddev	.0002	.0587	.0027	.0006	.00020	.0370
%RSD	156.1	81.27	367.1	42.13	77.025	173.1
#1	-0.0003	.0805	-0.0020	.0014	-0.00025	-0.0614
#2	.0001	.0098	.0024	.0021	-0.00006	.0116
#3	-0.0003	.1263	-0.0026	.0009	-0.00045	-0.0143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	-0.0001	-0.0001	.0010	.0042	-0.0071	.0000
Stddev	.0001	.0003	.0001	.0093	.0010	.000
%RSD	160.4	369.4	5.739	218.5	13.88	1869.
#1	.0001	-0.0002	.0010	.0100	-0.0083	.0002
#2	-0.0002	-0.0003	.0010	-0.0064	-0.0067	-0.0003
#3	-0.0001	.0002	.0011	.0092	-0.0065	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/26/2011 14:54:16 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	-.0005	.0023	.0004	.0004	-.0003
Stddev	.0009	.0006	.0005	.0014	.0001
%RSD	171.2	24.79	154.2	391.2	37.70
#1	-.0004	.0029	-.0002	.0005	-.0002
#2	-.0014	.0021	.0009	.0017	-.0005
#3	.0003	.0018	.0003	-.0011	-.0003

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2704.2	29907.	2042.5	3562.2
Stddev	6.9	129.	99.9	177.1
%RSD	.25540	.43186	4.8921	4.9703
#1	2697.2	29773.	1927.7	3358.1
#2	2704.5	29917.	2109.6	3674.2
#3	2711.0	30031.	2090.3	3654.4

Sample Name: 580-29313-A-11-B Acquired: 10/26/2011 15:00:19 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0001	1.145	.0078	.8922	-.00009	34.69
Stddev	.0003	.166	.0002	.0038	.00023	.15
%RSD	373.2	14.49	2.246	.4230	254.82	.4377

#1	.0004	1.269	.0077	.8898	.00002	34.71
#2	-.0003	1.210	.0078	.8904	.00006	34.52
#3	.0001	.9566	.0080	.8966	-.00035	34.83

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0027	.0034	.0050	.1054	5.668	.0034
Stddev	.0001	.0002	.0003	.0102	.045	.0007
%RSD	3.119	7.134	5.926	9.706	.8009	20.44

#1	.0026	.0032	.0051	.1067	5.720	.0040
#2	.0027	.0036	.0046	.1149	5.639	.0027
#3	.0028	.0033	.0052	.0946	5.644	.0034

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0083	-.0010	.0013	.0000	.0667
Stddev	.0007	.0026	.0016	.001	.0005
%RSD	8.956	253.5	117.7	2245.	.6860

#1	.0091	-.0029	.0016	.0010	.0662
#2	.0077	.0020	-.0004	-.0011	.0671
#3	.0079	-.0021	.0027	-.0001	.0667

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2023.4	26545.	2144.3	3733.3
Stddev	15.0	175.	38.0	53.5
%RSD	.74080	.66047	1.7702	1.4335

#1	2007.8	26369.	2110.7	3690.8
#2	2037.7	26719.	2185.5	3793.4
#3	2024.9	26547.	2136.7	3715.6

Sample Name: 580-29313-A-12-B Acquired: 10/26/2011 15:06:21 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-0.0001	1.118	.0075	.7509	-0.00040	24.46
Stddev	.0003	.103	.0029	.0093	.00008	.35
%RSD	190.3	9.231	39.16	1.242	19.977	1.423

#1	-0.0003	1.006	.0080	.7405	-0.00040	24.07
#2	.0002	1.139	.0043	.7586	-0.00032	24.72
#3	-0.0002	1.209	.0100	.7536	-0.00048	24.60

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0045	.0029	.0050	.0684	3.633	.0101
Stddev	.0000	.0001	.0007	.0374	.012	.0001
%RSD	.8303	1.954	13.58	54.63	.3404	1.001

#1	.0045	.0028	.0046	.0947	3.647	.0100
#2	.0044	.0029	.0045	.0256	3.626	.0101
#3	.0045	.0029	.0057	.0849	3.625	.0102

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0206	.0020	.0029	-0.0001	.0215
Stddev	.0014	.0014	.0025	.0006	.0003
%RSD	6.705	70.49	88.82	435.7	1.367

#1	.0221	.0027	.0056	.0005	.0218
#2	.0194	.0030	.0025	-0.0003	.0213
#3	.0205	.0004	.0005	-0.0007	.0214

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2009.8	26222.	2119.1	3692.4
Stddev	.2	49.	36.4	65.3
%RSD	.01199	.18618	1.7177	1.7690

#1	2009.7	26197.	2159.6	3766.0
#2	2009.7	26191.	2108.3	3669.6
#3	2010.1	26278.	2089.3	3641.5

Sample Name: 580-29313-A-13-B Acquired: 10/26/2011 15:12:28 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-0.0002	1.240	.0070	.7059	-0.00004	32.21
Stddev	.0002	.068	.0025	.0083	.00005	.38
%RSD	86.70	5.463	36.61	1.182	118.89	1.165

#1	-0.0001	1.319	.0042	.7119	.00001	32.39
#2	-0.0001	1.204	.0091	.6964	-0.00004	31.78
#3	-0.0004	1.199	.0076	.7094	-0.00010	32.46

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0029	.0040	.0080	.1419	3.812	.0079
Stddev	.0001	.0002	.0002	.0037	.021	.0003
%RSD	3.226	5.453	3.031	2.590	.5573	3.842

#1	.0030	.0041	.0080	.1408	3.790	.0080
#2	.0028	.0042	.0078	.1389	3.833	.0075
#3	.0028	.0038	.0083	.1460	3.813	.0081

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0203	.0021	.0011	-0.0025	.3198
Stddev	.0007	.0014	.0015	.0011	.0041
%RSD	3.583	66.52	137.7	43.08	1.287

#1	.0202	.0005	-0.0001	-0.0012	.3245
#2	.0196	.0025	.0028	-0.0030	.3181
#3	.0210	.0032	.0006	-0.0031	.3168

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2004.4	26199.	2065.6	3625.7
Stddev	10.0	151.	15.3	49.5
%RSD	.49775	.57763	.74123	1.3651

#1	2014.2	26342.	2066.0	3630.5
#2	1994.2	26041.	2080.7	3672.7
#3	2004.8	26214.	2050.1	3574.1

Sample Name: 580-29313-A-14-B Acquired: 10/26/2011 15:18:30 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0000	1.166	.0062	.8541	.00024	27.30
Stddev	.0002	.163	.0009	.0028	.00008	.24
%RSD	769.6	13.94	14.20	.3332	34.872	.8657

#1	.0000	1.074	.0061	.8531	.00015	27.18
#2	.0003	1.354	.0053	.8519	.00031	27.15
#3	-.0001	1.071	.0071	.8573	.00026	27.57

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0049	.0035	.0136	.1465	3.678	.0063
Stddev	.0001	.0001	.0003	.0118	.014	.0003
%RSD	2.223	2.222	1.915	8.055	.3761	4.908

#1	.0048	.0035	.0136	.1588	3.664	.0066
#2	.0049	.0035	.0133	.1454	3.692	.0060
#3	.0050	.0036	.0138	.1352	3.678	.0061

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0252	-.0004	.0013	-.0010	.1264
Stddev	.0012	.0025	.0041	.0014	.0007
%RSD	4.787	691.4	318.9	141.2	.5841

#1	.0263	-.0032	-.0034	-.0014	.1272
#2	.0239	.0006	.0032	-.0021	.1262
#3	.0253	.0015	.0041	.0006	.1257

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1975.2	25840.	2071.6	3604.6
Stddev	3.1	61.	37.1	82.6
%RSD	.15938	.23780	1.7905	2.2924

#1	1971.8	25770.	2112.1	3695.0
#2	1978.1	25865.	2063.7	3585.8
#3	1975.6	25884.	2039.2	3533.0

Sample Name: 580-29313-A-16-B Acquired: 10/26/2011 15:30:36 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-0.0002	1.291	.0111	.6304	-0.00023	49.76
Stddev	.0004	.045	.0018	.0013	.00031	.08
%RSD	171.9	3.458	15.82	.2115	131.18	.1572

#1	-0.0006	1.244	.0124	.6317	-0.00038	49.85
#2	-0.0001	1.332	.0117	.6304	-0.00044	49.71
#3	.0001	1.298	.0091	.6291	.00012	49.71

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0029	.0036	.0092	.1772	6.097	.0138
Stddev	.0001	.0003	.0003	.0128	.086	.0004
%RSD	1.947	7.512	3.317	7.214	1.415	3.025

#1	.0030	.0039	.0092	.1919	6.168	.0137
#2	.0028	.0036	.0089	.1699	6.121	.0142
#3	.0029	.0033	.0095	.1697	6.001	.0134

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0174	-0.0005	-0.0004	-0.0020	.3432
Stddev	.0010	.0004	.0021	.0032	.0018
%RSD	5.879	87.60	528.4	161.4	.5127

#1	.0170	-0.0001	-0.0014	-0.0019	.3423
#2	.0186	-0.0009	-0.0017	.0012	.3421
#3	.0166	-0.0004	.0020	-0.0053	.3453

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1941.8	25514.	2006.7	3506.8
Stddev	17.9	263.	16.2	22.5
%RSD	.91964	1.0327	.80598	.64045

#1	1928.5	25320.	1996.9	3485.8
#2	1934.9	25407.	1997.9	3504.1
#3	1962.1	25814.	2025.4	3530.5

Sample Name: 580-29313-A-17-B Acquired: 10/26/2011 15:36:38 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-0.0001	1.308	.0131	.4895	-0.00007	25.07
Stddev	.0004	.060	.0021	.0035	.00020	.17
%RSD	370.7	4.589	16.09	.7083	295.20	.6689

#1	.0004	1.310	.0111	.4901	.00016	25.05
#2	-.0004	1.247	.0153	.4857	-.00015	24.91
#3	-.0003	1.367	.0128	.4926	-.00022	25.24

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0028	.0038	.0104	.1377	3.824	.0088
Stddev	.0000	.0001	.0007	.0130	.009	.0002
%RSD	1.560	1.576	6.302	9.447	.2327	2.555

#1	.0028	.0038	.0109	.1396	3.817	.0087
#2	.0029	.0038	.0105	.1239	3.834	.0087
#3	.0028	.0039	.0097	.1497	3.821	.0091

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0163	.0012	.0020	.0003	.2622
Stddev	.0006	.0017	.0014	.0003	.0009
%RSD	3.735	149.1	71.51	108.5	.3429

#1	.0161	.0017	.0024	.0003	.2630
#2	.0170	-.0008	.0004	.0006	.2622
#3	.0158	.0026	.0031	.0000	.2612

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1984.4	25934.	1987.6	3481.6
Stddev	5.1	47.	14.6	26.5
%RSD	.25489	.18230	.73244	.76096

#1	1989.5	25983.	1987.1	3508.2
#2	1984.5	25929.	2002.3	3481.3
#3	1979.3	25889.	1973.2	3455.2

Sample Name: 580-29313-A-18-B Acquired: 10/26/2011 15:42:42 Type: Unk

Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0001	1.097	.0095	.8039	-.00017	29.31
Stddev	.0005	.066	.0005	.0071	.00016	.31
%RSD	417.4	6.011	4.804	.8860	93.529	1.065

#1	.0007	1.172	.0091	.8052	-.00014	29.32
#2	-.0003	1.047	.0095	.7962	-.00033	29.00
#3	.0000	1.073	.0100	.8103	-.00003	29.63

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0058	.0026	.0156	.1266	4.081	.0140
Stddev	.0001	.0000	.0004	.0029	.033	.0003
%RSD	1.588	1.446	2.269	2.300	.8062	1.887

#1	.0059	.0026	.0154	.1299	4.119	.0142
#2	.0058	.0025	.0160	.1256	4.064	.0142
#3	.0058	.0026	.0154	.1243	4.060	.0137

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.1303	-.0017	-.0010	-.0032	1.767
Stddev	.0018	.0014	.0019	.0009	.009
%RSD	1.396	83.51	186.1	28.89	.4956

#1	.1307	-.0001	-.0011	-.0034	1.757
#2	.1319	-.0021	.0009	-.0039	1.772
#3	.1284	-.0028	-.0028	-.0022	1.773

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1929.5	25283.	1938.1	3400.4
Stddev	13.8	178.	13.1	43.2
%RSD	.71671	.70591	.67361	1.2691

#1	1914.4	25083.	1926.0	3368.7
#2	1932.8	25337.	1951.9	3449.6
#3	1941.4	25428.	1936.3	3382.9

Sample Name: CCV Acquired: 10/26/2011 15:48:45 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.9545	9.958	5.053	2.516	.10116	19.47
Stddev	.0023	.247	.015	.029	.00084	.25
%RSD	.2431	2.477	.2865	1.147	.83139	1.266
#1	.9571	10.19	5.068	2.503	.10029	19.31
#2	.9541	9.978	5.052	2.549	.10197	19.75
#3	.9525	9.703	5.039	2.495	.10122	19.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.5129	.5107	.5117	9.700	20.25	.4791
Stddev	.0010	.0024	.0028	.164	.07	.0017
%RSD	.1871	.4798	.5455	1.685	.3400	.3620
#1	.5138	.5132	.5148	9.604	20.33	.4797
#2	.5130	.5083	.5094	9.889	20.20	.4771
#3	.5119	.5105	.5108	9.607	20.22	.4804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/26/2011 15:48:45 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	5.142	2.484	4.963	2.492	.4700
Stddev	.010	.006	.008	.007	.0006
%RSD	.1989	.2307	.1576	.2688	.1186
#1	5.152	2.490	4.970	2.491	.4701
#2	5.143	2.484	4.965	2.500	.4705
#3	5.132	2.479	4.955	2.486	.4694

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2320.3	27963.	1894.6	3304.9
Stddev	1.4	39.	23.0	41.0
%RSD	.06058	.13842	1.2158	1.2405
#1	2321.3	27918.	1903.7	3325.6
#2	2320.9	27980.	1868.4	3257.7
#3	2318.7	27990.	1911.7	3331.4

Sample Name: CCB Acquired: 10/26/2011 15:56:50 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-.0006	.1855	.0009	.0026	-.00050	-.0063
Stddev	.0003	.0385	.0004	.0007	.00024	.0175
%RSD	53.82	20.74	47.56	26.06	47.504	277.4
#1	-.0009	.1702	.0011	.0026	-.00032	-.0152
#2	-.0003	.2292	.0011	.0032	-.00077	-.0177
#3	-.0008	.1570	.0004	.0019	-.00041	.0139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0001	.0001	.0017	-.0040	-.0078	.0005
Stddev	.0001	.0001	.0001	.0182	.0031	.0003
%RSD	215.6	139.3	5.309	451.4	39.06	61.36
#1	.0000	.0000	.0017	-.0110	-.0091	.0002
#2	.0000	.0002	.0016	.0166	-.0043	.0009
#3	.0002	.0001	.0018	-.0177	-.0101	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/26/2011 15:56:50 Type: QC
 Method: 6010-2007Oct2011Master1(v8) Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	-.0009	-.0010	.0004	.0013	-.0003
Stddev	.0009	.0018	.0020	.0011	.0002
%RSD	97.52	176.8	453.8	84.89	69.85

#1	.0001	-.0029	.0021	.0020	-.0005
#2	-.0013	-.0008	.0010	.0000	-.0001
#3	-.0015	.0006	-.0018	.0020	-.0002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2526.1	28014.	1919.9	3338.9
Stddev	10.4	151.	11.6	13.8
%RSD	.41279	.53735	.60328	.41233

#1	2515.0	27869.	1916.2	3343.2
#2	2527.6	28004.	1932.9	3350.0
#3	2535.7	28169.	1910.6	3323.5

Sample Name: Blank Acquired: 10/28/2011 7:39:18 Type: Cal
 Method: 6010-2007Oct2011Short Mode: IR Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158	Cd2265	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-25.76	.0078	.0000	.0301	-.00046	-.0024	.0001	.0000
Stddev	2.50	.0020	.000	.0014	.00161	.0012	.0000	.000
%RSD	9.696	25.57	142.3	4.701	350.32	50.75	15.09	14410.

#1	-25.45	.0080	.0000	.0314	-.00125	-.0014	.0001	.0002
#2	-23.43	.0098	.0000	.0286	-.00152	-.0038	.0001	-.0001
#3	-28.40	.0058	-.0001	.0303	.00140	-.0021	.0002	-.0001

Elem	Cu3273	Fe2599	Mg2790	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0016	.0008	-.0003	.0012	.0001	-.0002	.0001	.0001
Stddev	.0001	.0010	.0000	.0003	.0001	.0000	.0000	.0005
%RSD	7.667	136.1	9.433	22.68	174.9	26.01	26.93	746.7

#1	-.0015	.0018	-.0003	.0010	-.0001	-.0001	.0001	-.0001
#2	-.0015	-.0003	-.0003	.0015	.0001	-.0002	.0001	.0007
#3	-.0017	.0008	-.0003	.0010	.0001	-.0002	.0000	-.0003

Elem	Zn2138
Units	Cts/S
Avg	19.19
Stddev	.70
%RSD	3.644

#1	19.49
#2	19.69
#3	18.40

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2606.3	22402.	718.63	1545.9
Stddev	8.6	74.	3.22	2.8
%RSD	.32853	.33203	.44844	.17852

#1	2611.5	22393.	717.25	1543.8
#2	2596.4	22333.	722.32	1544.9
#3	2611.1	22481.	716.33	1549.0

Sample Name: 580-29349-A-2-B Acquired: 10/28/2011 11:20:19 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0005	1.107	.0066	.6751	-.00035	7.187
Stddev	.0006	.289	.0019	.0073	.00022	.109
%RSD	118.1	26.07	28.52	1.083	63.351	1.510

#1	.0012	1.065	.0082	.6714	-.00012	7.080
#2	.0002	1.415	.0071	.6835	-.00035	7.183
#3	.0001	.8423	.0045	.6703	-.00056	7.297

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0000	.0057	.0064	.6390	2.746	.0155
Stddev	.0002	.0001	.0006	.0226	.009	.0006
%RSD	403.1	2.069	8.758	3.544	.3261	3.550

#1	-.0002	.0056	.0062	.6393	2.738	.0161
#2	.0002	.0057	.0070	.6615	2.743	.0150
#3	.0001	.0058	.0060	.6162	2.756	.0154

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0044	-.0004	.0043	-.0023	.0134
Stddev	.0026	.0014	.0012	.0007	.0002
%RSD	58.04	306.2	26.81	31.13	1.600

#1	.0044	-.0011	.0040	-.0024	.0136
#2	.0018	.0011	.0034	-.0029	.0134
#3	.0070	-.0013	.0056	-.0015	.0132

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1974.6	20575.	710.83	1547.9
Stddev	6.5	96.	2.20	12.1
%RSD	.32853	.46524	.30964	.77990

#1	1977.8	20671.	711.52	1556.3
#2	1978.8	20572.	712.61	1553.3
#3	1967.1	20480.	708.37	1534.1

Sample Name: CalibStd1 00021 Acquired: 10/28/2011 7:45:19 Type: Cal
 Method: 6010-2007Oct2011Short Mode: IR Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158	Cd2265	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1139.	.0198	.0086	.4739	.03582	.0245	.0253	.0209
Stddev	3.	.0005	.0001	.0085	.00205	.0008	.0001	.0001
%RSD	.2373	2.693	.5930	1.793	5.7220	3.307	.3244	.5978

#1	1140.	.0203	.0086	.4774	.03348	.0243	.0254	.0209
#2	1136.	.0196	.0086	.4642	.03728	.0253	.0253	.0208
#3	1141.	.0193	.0085	.4801	.03670	.0237	.0253	.0211

Elem	Cu3273	Fe2599	Mg2790	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0175	.0306	.0766	.0497	.0251	.0050	.0067	.0346
Stddev	.0003	.0015	.0003	.0003	.0000	.0001	.0000	.0004
%RSD	1.880	4.838	.3691	.5829	.1388	1.720	.5102	1.073

#1	.0179	.0315	.0768	.0497	.0251	.0049	.0067	.0343
#2	.0172	.0315	.0763	.0500	.0251	.0051	.0066	.0344
#3	.0174	.0289	.0766	.0494	.0251	.0050	.0067	.0350

Elem	Zn2138
Units	Cts/S
Avg	399.9
Stddev	2.4
%RSD	.5901

#1	397.2
#2	400.9
#3	401.5

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2537.8	22630.	711.78	1545.4
Stddev	8.2	75.	6.15	19.0
%RSD	.32389	.33081	.86374	1.2271

#1	2528.4	22546.	707.98	1536.0
#2	2543.9	22689.	718.88	1567.3
#3	2541.1	22654.	708.49	1533.1

Sample Name: CalibStd-2 00023 Acquired: 10/28/2011 7:51:11 Type: Cal
 Method: 6010-2007Oct2011Short Mode: IR Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158	Cd2265	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5546.	.0493	.0422	2.226	.17016	.1350	.1227	.1020
Stddev	34.	.0008	.0002	.034	.00570	.0008	.0004	.0004
%RSD	.6045	1.604	.3666	1.505	3.3472	.5623	.2992	.3821

#1	5571.	.0495	.0420	2.188	.16364	.1344	.1224	.1022
#2	5558.	.0484	.0421	2.238	.17265	.1348	.1231	.1022
#3	5507.	.0499	.0423	2.252	.17418	.1358	.1227	.1015

Elem	Cu3273	Fe2599	Mg2790	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0876	.1482	.3734	.2395	.1194	.0250	.0321	.1798
Stddev	.0006	.0029	.0015	.0004	.0004	.0001	.0000	.0009
%RSD	.6399	1.977	.4062	.1725	.3006	.3613	.1444	.5009

#1	.0881	.1459	.3747	.2397	.1191	.0249	.0321	.1788
#2	.0876	.1473	.3737	.2390	.1198	.0251	.0322	.1801
#3	.0870	.1515	.3717	.2397	.1192	.0249	.0321	.1806

Elem	Zn2138
Units	Cts/S
Avg	1771.
Stddev	6.
%RSD	.3110

#1	1765.
#2	1776.
#3	1772.

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2464.9	22647.	715.53	1549.6
Stddev	5.4	7.	5.38	15.7
%RSD	.21812	.02965	.75213	1.0124

#1	2458.7	22642.	721.70	1567.6
#2	2468.5	22655.	711.83	1538.5
#3	2467.5	22646.	713.05	1542.8

Sample Name: CalibStd-3 00021 Acquired: 10/28/2011 7:56:49 Type: Cal
 Method: 6010-2007Oct2011Short Mode: IR Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158	Cd2265	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	26780.	.2106	.2129	11.00	.85756	.6673	.6021	.4960
Stddev	119.	.0061	.0015	.10	.00682	.0068	.0028	.0012
%RSD	.4429	2.912	.6914	.8750	.79482	1.025	.4582	.2329

#1	26710.	.2051	.2143	10.91	.85567	.6629	.6050	.4969
#2	26710.	.2172	.2130	10.98	.85188	.6639	.6019	.4947
#3	26910.	.2096	.2114	11.10	.86512	.6752	.5995	.4965

Elem	Cu3273	Fe2599	Mg2790	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4310	.7092	1.775	1.249	.5741	.1255	.1622	.9425
Stddev	.0007	.0088	.004	.007	.0019	.0008	.0004	.0068
%RSD	.1660	1.237	.2267	.5525	.3351	.6649	.2279	.7185

#1	.4316	.6994	1.775	1.256	.5761	.1263	.1626	.9489
#2	.4302	.7162	1.771	1.249	.5742	.1255	.1623	.9432
#3	.4313	.7121	1.779	1.242	.5722	.1247	.1618	.9354

Elem	Zn2138
Units	Cts/S
Avg	8483.
Stddev	2.
%RSD	.0194

#1	8481.
#2	8484.
#3	8483.

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2251.9	22314.	711.96	1543.2
Stddev	11.0	72.	6.91	6.8
%RSD	.48711	.32083	.97116	.44198

#1	2241.5	22243.	719.83	1550.3
#2	2250.9	22313.	706.90	1542.5
#3	2263.4	22386.	709.14	1536.7

Sample Name: CalibStd-4 00021 Acquired: 10/28/2011 8:02:24 Type: Cal
 Method: 6010-2007Oct2011Short Mode: IR Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158	Cd2265	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	51270.	.4084	.4091	21.76	1.6637	1.323	1.143	.9506
Stddev	96.	.0015	.0005	.10	.0131	.004	.001	.0016
%RSD	.1881	.3606	.1238	.4767	.78994	.2868	.1084	.1661

#1	51330.	.4088	.4095	21.87	1.6764	1.327	1.142	.9494
#2	51320.	.4096	.4092	21.71	1.6645	1.320	1.144	.9524
#3	51160.	.4068	.4085	21.69	1.6502	1.323	1.142	.9500

Elem	Cu3273	Fe2599	Mg2790	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.8326	1.393	3.426	2.455	1.093	.2420	.3098	1.833
Stddev	.0015	.013	.006	.003	.001	.0002	.0004	.002
%RSD	.1767	.9437	.1795	.1370	.0930	.0885	.1364	.1300

#1	.8314	1.405	3.420	2.458	1.092	.2418	.3098	1.835
#2	.8342	1.396	3.432	2.456	1.094	.2419	.3102	1.835
#3	.8322	1.379	3.426	2.452	1.092	.2422	.3094	1.831

Elem	Zn2138
Units	Cts/S
Avg	15980.
Stddev	35.
%RSD	.2184

#1	16010.
#2	15980.
#3	15940.

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2119.2	21859.	706.13	1532.9
Stddev	3.0	46.	6.49	14.7
%RSD	.14224	.21071	.91980	.95578

#1	2122.2	21913.	699.34	1516.1
#2	2116.2	21830.	706.78	1540.0
#3	2119.1	21836.	712.28	1542.7

Sample Name: ICV 200.7 00018 Acquired: 10/28/2011 8:07:59 Type: QC

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.4940	F 5.526	2.525	.2618	.25786	5.058
Stddev	.0024	.244	.019	.0040	.00459	.070
%RSD	.4796	4.421	.7512	1.546	1.7789	1.381

#1	.4967	5.461	2.545	.2664	.26291	5.101
#2	.4930	5.321	2.523	.2597	.25394	4.977
#3	.4924	5.797	2.508	.2591	.25675	5.095

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		5.000				
Range		5.000%				

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.2598	1.044	1.035	5.247	5.249	.9918
Stddev	.0019	.009	.012	.134	.044	.0076
%RSD	.7341	.8194	1.108	2.551	.8392	.7675

#1	.2613	1.051	1.046	5.370	5.290	.9986
#2	.2604	1.046	1.035	5.105	5.255	.9932
#3	.2576	1.034	1.023	5.266	5.202	.9836

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV 200.7 00018 Acquired: 10/28/2011 8:07:59 Type: QC

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	F 1.058	2.499	5.121	5.220	.7587
Stddev	.008	.020	.035	.037	.0022
%RSD	.7163	.8116	.6869	.7035	.2880

#1	1.065	2.516	5.151	5.251	.7612
#2	1.058	2.506	5.129	5.229	.7574
#3	1.050	2.477	5.082	5.180	.7575

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	1.000				
Range	5.000%				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2416.6	22564.	714.01	1553.5
Stddev	15.8	128.	9.97	18.9
%RSD	.65196	.56868	1.3960	1.2192

#1	2408.4	22491.	703.00	1533.8
#2	2406.6	22488.	716.61	1555.3
#3	2434.7	22712.	722.42	1571.5

Sample Name: ICB_CCB Acquired: 10/28/2011 8:16:06 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0001	.1424	.0015	-.0014	-.00010	-.0183
Stddev	.0006	.1322	.0010	.0009	.00076	.0421
%RSD	480.7	92.83	66.07	65.00	733.49	229.6
#1	-.0005	.0902	.0021	-.0012	.00057	.0204
#2	.0006	.0443	.0004	-.0024	.00004	-.0632
#3	.0002	.2928	.0021	-.0006	-.00092	-.0122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	-.0001	-.0001	.0005	.0208	.0033	-.0002
Stddev	.0000	.0001	.0003	.0395	.0032	.0006
%RSD	15.15	123.3	70.14	190.0	94.46	257.9
#1	-.0001	.0000	.0002	-.0219	.0036	-.0005
#2	-.0001	-.0002	.0009	.0283	.0001	.0004
#3	-.0001	-.0002	.0003	.0560	.0063	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB_CCB Acquired: 10/28/2011 8:16:06 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0003	.0007	-.0026	.0120	-.0003
Stddev	.0008	.0013	.0025	.0021	.0002
%RSD	244.0	201.3	95.80	17.41	50.23
#1	-.0003	.0018	.0003	.0141	-.0005
#2	.0001	-.0008	-.0040	.0122	-.0003
#3	.0012	.0009	-.0040	.0099	-.0002

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2627.1	23087.	711.30	1543.9
Stddev	8.0	74.	3.38	14.8
%RSD	.30325	.32093	.47449	.95696
#1	2622.2	23083.	714.44	1544.6
#2	2636.3	23163.	707.73	1528.8
#3	2622.8	23015.	711.74	1558.3

Sample Name: CRI 00021 Acquired: 10/28/2011 8:22:09 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0222	.5004	.0646	.0098	.00467	1.128
Stddev	.0007	.0988	.0021	.0019	.00018	.038
%RSD	3.222	19.74	3.243	19.27	3.8297	3.352
#1	.0215	.4038	.0624	.0094	.00453	1.154
#2	.0229	.6012	.0648	.0118	.00461	1.085
#3	.0222	.4960	.0665	.0081	.00487	1.145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0105	.0264	.0219	.1779	1.177	.0197
Stddev	.0001	.0002	.0002	.0306	.004	.0001
%RSD	.7869	.6729	.7362	17.20	.3173	.5607
#1	.0105	.0263	.0220	.1881	1.174	.0199
#2	.0105	.0266	.0217	.1435	1.181	.0197
#3	.0104	.0264	.0219	.2021	1.177	.0197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CRI 00021 Acquired: 10/28/2011 8:22:09 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0345	.0628	.1069	.1023	.0478
Stddev	.0011	.0013	.0018	.0005	.0001
%RSD	3.313	2.044	1.715	.4731	.1594

#1	.0346	.0621	.1089	.1027	.0478
#2	.0356	.0643	.1065	.1023	.0478
#3	.0333	.0620	.1053	.1018	.0477

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2581.6	23208.	712.29	1546.5
Stddev	1.8	91.	13.02	28.8
%RSD	.07159	.39271	1.8278	1.8630

#1	2583.8	23310.	697.51	1513.8
#2	2580.5	23180.	722.06	1567.8
#3	2580.6	23135.	717.31	1558.1

Sample Name: HIGH STD 00021 Acquired: 10/28/2011 8:28:07 Type: QC

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	3.885	39.88	19.72	9.836	.39542	78.30
Stddev	.006	.45	.03	.032	.00232	.26
%RSD	.1646	1.126	.1438	.3256	.58615	.3287

#1	3.885	39.88	19.74	9.873	.39634	78.54
#2	3.879	39.43	19.74	9.821	.39278	78.33
#3	3.892	40.33	19.69	9.814	.39712	78.03

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	1.961	1.969	1.980	39.34	78.54	1.998
Stddev	.003	.002	.003	.17	.09	.002
%RSD	.1699	.1114	.1563	.4284	.1083	.1072

#1	1.964	1.971	1.984	39.53	78.61	2.000
#2	1.962	1.969	1.978	39.22	78.45	1.997
#3	1.957	1.966	1.979	39.27	78.56	1.995

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: HIGH STD 00021 Acquired: 10/28/2011 8:28:07 Type: QC

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	19.59	9.884	19.59	9.977	1.934
Stddev	.02	.018	.06	.007	.001
%RSD	.0785	.1784	.2869	.0689	.0269

#1	19.61	9.903	19.64	9.983	1.934
#2	19.59	9.880	19.60	9.969	1.933
#3	19.58	9.869	19.53	9.978	1.934

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2103.0	21679.	703.87	1535.6
Stddev	1.5	41.	1.76	7.4
%RSD	.07315	.18847	.25048	.48106

#1	2102.5	21656.	702.71	1529.4
#2	2101.8	21655.	703.00	1533.6
#3	2104.7	21726.	705.90	1543.8

Sample Name: ICSA 00037 Acquired: 10/28/2011 8:33:42 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0003	509.3	-.0052	.0019	-.00031	492.5
Stddev	.0004	5.3	.0019	.0015	.00034	4.0
%RSD	128.5	1.037	37.59	77.25	110.65	.8100
#1	.0003	503.3	-.0074	.0019	-.00070	488.3
#2	.0007	512.0	-.0037	.0034	-.00006	496.2
#3	-.0001	512.8	-.0044	.0005	-.00017	493.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0014	.0016	.0150	195.1	505.5	.0046
Stddev	.0001	.0001	.0002	2.0	4.7	.0008
%RSD	5.750	7.225	1.329	1.021	.9202	17.74
#1	.0014	.0017	.0147	192.8	500.1	.0046
#2	.0015	.0016	.0151	196.2	508.2	.0055
#3	.0014	.0015	.0151	196.3	508.1	.0038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA 00037 Acquired: 10/28/2011 8:33:42 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	-.0107	-.0146	.0236	.0135	-.0315
Stddev	.0034	.0027	.0021	.0019	.0005
%RSD	31.57	18.55	8.737	14.36	1.654
#1	-0.0092	-0.0173	.0235	.0144	-.0311
#2	-.0146	-.0144	.0257	.0148	-.0313
#3	-.0083	-.0119	.0216	.0113	-.0321

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1907.6	20431.	692.65	1506.6
Stddev	3.2	49.	5.48	8.3
%RSD	.16925	.24098	.79183	.54786
#1	1907.4	20479.	698.48	1516.0
#2	1910.9	20434.	691.88	1503.5
#3	1904.5	20381.	687.59	1500.3

Sample Name: ICSAB 00029 Acquired: 10/28/2011 8:39:45 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	2.927	529.1	10.31	3.214	1.0536	507.6
Stddev	.003	1.4	.02	.021	.0034	2.6
%RSD	.1062	.2663	.1856	.6568	.31869	.5048
#1	2.924	527.6	10.33	3.238	1.0531	510.4
#2	2.925	530.4	10.30	3.201	1.0572	507.0
#3	2.930	529.1	10.29	3.203	1.0506	505.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	2.823	2.903	3.044	202.9	494.8	3.066
Stddev	.003	.005	.008	.7	3.2	.006
%RSD	.1212	.1723	.2594	.3513	.6397	.2032
#1	2.826	2.900	3.041	202.3	491.7	3.073
#2	2.820	2.901	3.038	203.7	494.5	3.060
#3	2.822	2.909	3.053	202.8	498.1	3.066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICSAB 00029 Acquired: 10/28/2011 8:39:45 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	9.227	10.01	5.058	9.815	2.740
Stddev	.014	.03	.007	.029	.005
%RSD	.1459	.2561	.1398	.3007	.1694
#1	9.242	10.04	5.066	9.846	2.745
#2	9.223	10.00	5.052	9.787	2.736
#3	9.217	9.994	5.057	9.812	2.739

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1800.8	20137.	653.61	1422.1
Stddev	2.9	19.	3.34	11.9
%RSD	.16162	.09514	.51091	.83361
#1	1800.3	20151.	653.27	1410.5
#2	1804.0	20144.	650.46	1421.7
#3	1798.2	20115.	657.11	1434.2

Sample Name: CCV 00034 Acquired: 10/28/2011 8:45:31 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	1.012	9.879	4.918	2.441	.09858	19.47
Stddev	.006	.164	.009	.091	.00427	.66
%RSD	.5660	1.663	.1807	3.749	4.3279	3.410
#1	1.014	9.701	4.918	2.335	.09365	18.70
#2	1.016	10.02	4.927	2.497	.10122	19.88
#3	1.006	9.913	4.909	2.490	.10085	19.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.5004	.5040	.4982	9.982	20.16	.4772
Stddev	.0007	.0031	.0041	.415	.14	.0018
%RSD	.1313	.6200	.8290	4.157	.6967	.3718
#1	.5000	.5052	.4996	9.510	20.19	.4761
#2	.5012	.5063	.5014	10.15	20.28	.4793
#3	.5001	.5004	.4936	10.29	20.01	.4764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 00034 Acquired: 10/28/2011 8:45:31 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	5.040	2.454	4.914	2.446	.4980
Stddev	.009	.008	.012	.005	.0006
%RSD	.1796	.3268	.2400	.1941	.1110

#1	5.038	2.450	4.911	2.441	.4975
#2	5.050	2.463	4.927	2.448	.4979
#3	5.033	2.448	4.904	2.450	.4986

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2349.7	22452.	711.92	1553.2
Stddev	5.2	55.	22.61	44.9
%RSD	.22261	.24329	3.1764	2.8884

#1	2353.4	22456.	737.93	1604.1
#2	2343.7	22395.	696.95	1519.2
#3	2352.0	22504.	700.88	1536.5

Sample Name: ICB_CCB Acquired: 10/28/2011 8:51:06 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0002	.0630	.0016	.0004	-.00007	-.0424
Stddev	.0001	.1039	.0011	.0007	.00041	.0880
%RSD	40.73	165.0	69.55	168.9	545.61	207.5
#1	.0002	-.0530	.0012	.0012	-.00055	-.1230
#2	.0003	.1477	.0007	.0005	.00014	-.0556
#3	.0001	.0942	.0029	-.0003	.00018	.0515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0001	.0000	.0013	.0165	.0256	-.0001
Stddev	.0000	.000	.0001	.0295	.0010	.0002
%RSD	50.40	5740.	7.606	178.7	3.840	281.4
#1	.0001	-.0001	.0013	.0422	.0246	.0002
#2	.0001	-.0002	.0014	.0231	.0265	-.0003
#3	.0001	.0003	.0012	-.0157	.0257	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB_CCB Acquired: 10/28/2011 8:51:06 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0014	-.0010	.0020	.0125	-.0003
Stddev	.0005	.0025	.0012	.0014	.0001
%RSD	37.84	249.4	56.67	11.36	21.64

#1	.0011	-.0037	.0032	.0117	-.0004
#2	.0021	.0011	.0020	.0141	-.0004
#3	.0011	-.0004	.0009	.0116	-.0003

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2628.0	23157.	690.73	1494.9
Stddev	4.1	50.	3.49	11.4
%RSD	.15775	.21611	.50592	.76546

#1	2623.4	23101.	687.78	1483.7
#2	2631.4	23196.	694.59	1506.6
#3	2629.2	23175.	689.83	1494.5

Sample Name: MB 580-98675/1-B Acquired: 10/28/2011 8:57:09 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0006	.2385	.0067	.0007	-.00035	.7668
Stddev	.0004	.0711	.0005	.0015	.00060	.0092
%RSD	56.12	29.81	7.862	204.5	172.15	1.203

#1	.0010	.2865	.0070	.0003	.00034	.7582
#2	.0003	.2723	.0061	-.0005	-.00074	.7656
#3	.0006	.1568	.0071	.0025	-.00064	.7766

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0000	.0010	.0007	.0398	.3232	.0023
Stddev	.0000	.0002	.0006	.0479	.0042	.0002
%RSD	80.65	24.47	80.54	120.2	1.299	8.140

#1	.0000	.0007	.0010	.0299	.3270	.0025
#2	.0001	.0010	.0001	-.0023	.3187	.0022
#3	.0000	.0012	.0011	.0919	.3240	.0021

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0010	.0009	.0030	.0044	.0012
Stddev	.0016	.0032	.0031	.0015	.0001
%RSD	166.9	357.9	104.1	34.28	9.803

#1	.0010	-.0008	.0038	.0038	.0013
#2	.0026	.0046	-.0005	.0061	.0013
#3	-.0006	-.0011	.0056	.0032	.0011

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2029.4	20519.	720.00	1569.1
Stddev	16.4	175.	6.43	17.2
%RSD	.80977	.85333	.89253	1.0964

#1	2039.2	20613.	712.62	1550.8
#2	2038.6	20627.	724.36	1571.4
#3	2010.4	20317.	723.01	1585.0

Sample Name: LCS 580-98814/24-A Acquired: 10/28/2011 9:03:19 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.5774	4.332	4.415	4.104	.10232	21.19
Stddev	.0072	.181	.037	.038	.00020	.19
%RSD	1.246	4.174	.8398	.9324	.19423	.9054

#1	.5852	4.137	4.456	4.072	.10209	21.10
#2	.5759	4.495	4.403	4.147	.10247	21.41
#3	.5711	4.363	4.385	4.093	.10239	21.06

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.1022	.4074	.4682	22.44	19.38	1.074
Stddev	.0011	.0076	.0091	.18	.37	.012
%RSD	1.034	1.853	1.933	.8155	1.890	1.144

#1	.1034	.4160	.4785	22.23	19.80	1.088
#2	.1017	.4044	.4644	22.57	19.22	1.068
#3	.1015	.4018	.4616	22.52	19.13	1.066

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.9683	3.084	4.444	3.943	.9607
Stddev	.0095	.025	.033	.041	.0017
%RSD	.9800	.8061	.7417	1.046	.1788

#1	.9790	3.112	4.481	3.991	.9600
#2	.9648	3.073	4.434	3.920	.9626
#3	.9610	3.066	4.417	3.918	.9594

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1898.4	20367.	696.65	1505.0
Stddev	21.0	194.	3.62	15.1
%RSD	1.1080	.95064	.51916	1.0056

#1	1874.1	20143.	700.78	1522.2
#2	1910.3	20478.	695.12	1493.6
#3	1910.7	20480.	694.05	1499.2

Sample Name: LCSD 580-98814/25-A Acquired: 10/28/2011 9:09:05 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.5539	4.312	4.262	3.849	.09721	20.21
Stddev	.0018	.017	.018	.041	.00139	.19
%RSD	.3248	.3848	.4351	1.076	1.4324	.9516

#1	.5559	4.324	4.283	3.806	.09561	19.99
#2	.5524	4.293	4.256	3.888	.09809	20.30
#3	.5535	4.319	4.248	3.853	.09793	20.34

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0987	.3917	.4527	21.43	18.70	1.043
Stddev	.0004	.0007	.0005	.43	.07	.002
%RSD	.4227	.1753	.1130	2.003	.4012	.2139

#1	.0991	.3925	.4532	20.94	18.76	1.045
#2	.0987	.3916	.4526	21.76	18.72	1.043
#3	.0983	.3911	.4522	21.59	18.62	1.040

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.9395	2.964	4.253	3.848	.9307
Stddev	.0032	.011	.013	.011	.0033
%RSD	.3383	.3811	.3031	.2824	.3500

#1	.9417	2.977	4.268	3.857	.9344
#2	.9410	2.958	4.243	3.850	.9294
#3	.9359	2.957	4.248	3.836	.9283

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1903.2	20490.	707.80	1539.4
Stddev	4.2	33.	9.08	9.8
%RSD	.22249	.15945	1.2823	.63663

#1	1905.3	20502.	717.86	1549.3
#2	1898.4	20453.	705.33	1529.7
#3	1906.1	20514.	700.22	1539.3

Sample Name: LCSSRM 580-98814/26- Acquired: 10/28/2011 9:14:51 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.5720	4.135	4.321	3.969	.10049	20.58
Stddev	.0023	.366	.007	.033	.00078	.13
%RSD	.4008	8.863	.1721	.8282	.77347	.6500

#1	.5744	4.534	4.326	4.000	.10112	20.54
#2	.5717	3.813	4.325	3.972	.09962	20.73
#3	.5698	4.059	4.313	3.934	.10074	20.47

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0997	.3991	.4625	22.17	18.96	1.052
Stddev	.0002	.0029	.0036	.24	.14	.003
%RSD	.1886	.7325	.7809	1.079	.7327	.3206

#1	.1000	.4022	.4662	22.43	19.11	1.056
#2	.0996	.3988	.4625	22.11	18.95	1.051
#3	.0997	.3964	.4590	21.96	18.83	1.050

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.9484	3.014	4.326	3.882	.9444
Stddev	.0014	.003	.008	.012	.0024
%RSD	.1439	.0830	.1837	.3103	.2575

#1	.9493	3.017	4.328	3.896	.9428
#2	.9491	3.013	4.332	3.875	.9432
#3	.9468	3.012	4.317	3.877	.9472

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1903.4	20517.	709.12	1542.7
Stddev	7.2	77.	13.42	26.1
%RSD	.37869	.37569	1.8926	1.6890

#1	1896.8	20463.	699.97	1528.3
#2	1902.4	20483.	702.86	1527.0
#3	1911.1	20605.	724.52	1572.8

Sample Name: 580-29313-A-31-B sd Acquired: 10/28/2011 9:20:37 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0004	.1306	.0064	.1151	-.00086	7.503
Stddev	.0002	.1096	.0010	.0023	.00029	.113
%RSD	43.59	83.89	15.45	2.022	34.192	1.499

#1	.0005	.0974	.0062	.1133	-.00089	7.373
#2	.0003	.0415	.0055	.1177	-.00055	7.564
#3	.0002	.2530	.0075	.1144	-.00113	7.571

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0006	.0001	.0027	.0202	.9358	.0026
Stddev	.0001	.0001	.0003	.0195	.0070	.0005
%RSD	21.33	145.9	12.20	96.53	.7429	20.54

#1	.0006	-.0001	.0028	.0422	.9428	.0030
#2	.0005	.0002	.0030	.0134	.9357	.0020
#3	.0008	.0001	.0024	.0050	.9289	.0026

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0116	-.0011	.0020	.0117	.2535
Stddev	.0010	.0018	.0016	.0009	.0030
%RSD	8.626	166.7	77.12	7.966	1.173

#1	.0126	.0002	.0035	.0120	.2513
#2	.0114	-.0003	.0022	.0107	.2524
#3	.0107	-.0031	.0004	.0125	.2569

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2212.9	21922.	693.49	1502.7
Stddev	26.9	257.	14.35	18.4
%RSD	1.2144	1.1721	2.0689	1.2249

#1	2185.6	21649.	709.94	1523.0
#2	2213.6	21956.	683.59	1487.0
#3	2239.3	22159.	686.93	1498.1

Sample Name: 580-29313-A-31-B Acquired: 10/28/2011 9:26:34 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0007	.5332	.0183	.5806	.00008	36.96
Stddev	.0001	.2712	.0006	.0035	.00050	.24
%RSD	17.17	50.87	3.446	.6114	626.00	.6504

#1	.0007	.6247	.0188	.5765	-.00034	36.72
#2	.0006	.2280	.0176	.5824	-.00005	37.20
#3	.0009	.7469	.0185	.5829	.00063	36.96

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0035	.0023	.0081	.2027	4.518	.0129
Stddev	.0001	.0003	.0005	.0235	.035	.0006
%RSD	3.693	11.24	5.910	11.61	.7827	4.513

#1	.0035	.0023	.0083	.2050	4.559	.0123
#2	.0036	.0025	.0076	.1782	4.497	.0132
#3	.0034	.0020	.0085	.2251	4.498	.0133

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0532	.0029	.0033	.0009	1.234
Stddev	.0005	.0031	.0046	.0011	.003
%RSD	1.008	104.4	138.5	112.7	.2286

#1	.0537	.0015	.0085	.0017	1.232
#2	.0533	.0008	.0003	-.0003	1.238
#3	.0526	.0065	.0010	.0014	1.233

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1984.9	20678.	735.36	1595.4
Stddev	5.3	58.	4.85	8.3
%RSD	.26651	.28124	.65971	.52170

#1	1978.9	20615.	739.50	1605.0
#2	1987.5	20689.	736.56	1589.5
#3	1988.5	20729.	730.02	1591.9

Sample Name: 580-29313-A-31-C DU Acquired: 10/28/2011 9:32:38 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0007	.6100	.0180	.5394	-.00057	34.55
Stddev	.0002	.1895	.0004	.0062	.00062	.39
%RSD	34.81	31.07	2.117	1.149	109.02	1.123

#1	.0009	.7883	.0182	.5367	.00011	34.43
#2	.0004	.6310	.0181	.5465	-.00110	34.98
#3	.0006	.4109	.0175	.5351	-.00071	34.24

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0031	.0023	.0077	.1869	4.297	.0124
Stddev	.0002	.0003	.0002	.0112	.009	.0005
%RSD	4.918	13.50	3.059	5.983	.2050	4.380

#1	.0033	.0027	.0075	.1751	4.296	.0129
#2	.0030	.0022	.0079	.1882	4.306	.0119
#3	.0030	.0020	.0077	.1974	4.288	.0122

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0501	.0031	.0037	-.0005	1.178
Stddev	.0019	.0022	.0023	.0006	.005
%RSD	3.777	69.66	63.14	133.5	.4651

#1	.0503	.0006	.0043	.0002	1.184
#2	.0481	.0041	.0056	-.0010	1.174
#3	.0519	.0045	.0011	-.0006	1.176

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2013.3	20905.	747.36	1612.4
Stddev	4.7	11.	4.85	25.4
%RSD	.23390	.05226	.64909	1.5746

#1	2018.4	20917.	749.30	1633.7
#2	2009.1	20896.	741.84	1584.3
#3	2012.3	20902.	750.94	1619.3

Sample Name: 580-29313-A-31-D MS Acquired: 10/28/2011 9:38:42 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.5856	4.649	4.465	4.530	.10193	53.92
Stddev	.0007	.095	.014	.034	.00028	.26
%RSD	.1267	2.039	.3223	.7529	.27501	.4733

#1	.5862	4.616	4.481	4.493	.10192	53.66
#2	.5857	4.756	4.459	4.535	.10222	53.92
#3	.5848	4.575	4.454	4.561	.10165	54.17

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.1035	.4059	.4856	22.35	22.86	1.075
Stddev	.0003	.0007	.0014	.12	.06	.003
%RSD	.2416	.1660	.2791	.5208	.2608	.2899

#1	.1038	.4062	.4867	22.21	22.91	1.078
#2	.1035	.4064	.4859	22.40	22.89	1.074
#3	.1033	.4051	.4840	22.42	22.80	1.072

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.9951	3.083	4.515	3.896	2.062
Stddev	.0024	.010	.020	.009	.006
%RSD	.2444	.3217	.4311	.2288	.2995

#1	.9977	3.091	4.536	3.903	2.068
#2	.9946	3.072	4.499	3.899	2.055
#3	.9929	3.084	4.509	3.886	2.062

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1875.3	20324.	734.54	1603.2
Stddev	5.1	37.	8.63	18.7
%RSD	.27269	.18292	1.1752	1.1675

#1	1874.2	20307.	744.44	1624.7
#2	1870.8	20299.	728.54	1590.5
#3	1880.9	20367.	730.65	1594.3

Sample Name: 580-29313-A-31-E MSD Acquired: 10/28/2011 9:44:29 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.5871	4.710	4.498	4.487	.10033	53.87
Stddev	.0003	.239	.003	.069	.00276	1.05
%RSD	.0551	5.070	.0672	1.531	2.7550	1.944

#1	.5873	4.466	4.495	4.409	.09719	52.67
#2	.5867	4.720	4.501	4.516	.10139	54.41
#3	.5873	4.943	4.499	4.536	.10241	54.54

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.1045	.4090	.4911	22.10	23.06	1.082
Stddev	.0002	.0008	.0007	.58	.08	.001
%RSD	.1785	.2024	.1336	2.616	.3612	.0666

#1	.1045	.4096	.4916	21.45	23.07	1.083
#2	.1043	.4081	.4904	22.29	22.98	1.082
#3	.1046	.4094	.4915	22.56	23.14	1.083

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	1.007	3.113	4.551	3.943	2.095
Stddev	.004	.002	.014	.009	.007
%RSD	.3799	.0706	.3003	.2355	.3179

#1	1.009	3.113	4.542	3.951	2.092
#2	1.003	3.115	4.566	3.933	2.102
#3	1.009	3.111	4.544	3.945	2.090

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1864.3	20230.	741.57	1604.1
Stddev	5.6	50.	22.62	32.3
%RSD	.30295	.24657	3.0505	2.0108

#1	1861.5	20233.	766.12	1640.6
#2	1870.8	20278.	737.03	1592.0
#3	1860.6	20179.	721.56	1579.6

Sample Name: 580-29313-A-31-B pds Acquired: 10/28/2011 9:50:16 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.5238	4.907	4.504	4.511	.10031	53.59
Stddev	.0035	.279	.019	.129	.00419	1.07
%RSD	.6763	5.687	.4183	2.863	4.1732	1.993

#1	.5240	4.680	4.482	4.362	.09574	52.35
#2	.5272	5.218	4.512	4.574	.10396	54.19
#3	.5202	4.823	4.517	4.596	.10122	54.21

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.1053	.4075	.4944	22.82	23.62	1.094
Stddev	.0003	.0029	.0052	.72	.18	.001
%RSD	.2774	.7064	1.047	3.174	.7596	.0805

#1	.1050	.4070	.4948	21.99	23.68	1.093
#2	.1056	.4105	.4994	23.19	23.77	1.095
#3	.1053	.4048	.4891	23.29	23.42	1.094

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	1.012	2.964	4.593	4.013	2.100
Stddev	.001	.011	.019	.007	.010
%RSD	.0867	.3618	.4073	.1824	.4708

#1	1.013	2.953	4.571	4.020	2.091
#2	1.011	2.974	4.602	4.012	2.098
#3	1.012	2.965	4.605	4.005	2.110

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1892.6	20477.	742.78	1609.0
Stddev	9.2	82.	19.66	33.6
%RSD	.48539	.40142	2.6468	2.0899

#1	1885.9	20439.	765.21	1647.8
#2	1888.9	20420.	728.53	1590.9
#3	1903.1	20571.	734.61	1588.3

Sample Name: CCV Acquired: 10/28/2011 9:56:03 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	1.013	9.993	4.948	2.459	.10013	19.65
Stddev	.003	.145	.023	.026	.00059	.07
%RSD	.3381	1.452	.4652	1.049	.58595	.3644
#1	1.017	10.07	4.974	2.460	.10078	19.67
#2	1.012	9.826	4.937	2.433	.09965	19.57
#3	1.011	10.08	4.932	2.485	.09995	19.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.4981	.4987	.5004	10.12	19.74	.4773
Stddev	.0015	.0020	.0023	.21	.09	.0024
%RSD	.2957	.4034	.4596	2.064	.4474	.4957
#1	.4997	.5010	.5028	9.957	19.84	.4798
#2	.4968	.4973	.5002	10.06	19.68	.4771
#3	.4978	.4979	.4983	10.36	19.71	.4750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/28/2011 9:56:03 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	5.008	2.452	4.916	2.457	.5001
Stddev	.017	.011	.023	.008	.0007
%RSD	.3451	.4369	.4620	.3183	.1443

#1	5.025	2.463	4.940	2.466	.5010
#2	4.991	2.442	4.894	2.454	.4996
#3	5.007	2.450	4.914	2.452	.4998

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2360.5	22677.	715.32	1555.5
Stddev	6.2	40.	2.39	4.4
%RSD	.26418	.17663	.33444	.28060

#1	2354.0	22643.	712.73	1551.2
#2	2361.1	22721.	715.77	1559.9
#3	2366.4	22668.	717.45	1555.4

Sample Name: CCB Acquired: 10/28/2011 10:01:40 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0002	.1780	.0048	.0007	-.00060	-.0039
Stddev	.0003	.3388	.0011	.0009	.00076	.0463
%RSD	120.9	190.3	23.02	122.7	126.27	1184.
#1	.0000	.5540	.0051	.0002	-.00106	-.0506
#2	.0002	.0838	.0036	.0018	.00028	.0419
#3	.0005	-.1037	.0058	.0003	-.00103	-.0030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	-.0001	.0002	.0015	.0081	.0126	.0007
Stddev	.0000	.0003	.0000	.0197	.0028	.0001
%RSD	79.57	170.0	2.385	243.4	21.86	17.01
#1	.0000	.0000	.0015	-.0139	.0112	.0006
#2	.0000	.0000	.0015	.0141	.0109	.0008
#3	-.0001	.0005	.0015	.0241	.0158	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/28/2011 10:01:40 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0016	.0011	.0030	.0101	.0007
Stddev	.0004	.0034	.0041	.0006	.0003
%RSD	22.54	304.9	134.6	5.666	36.24

#1	.0012	.0050	-.0006	.0099	.0006
#2	.0018	.0000	.0023	.0097	.0010
#3	.0018	-.0016	.0074	.0108	.0005

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2603.8	22900.	710.61	1535.2
Stddev	11.2	49.	.40	9.4
%RSD	.43028	.21283	.05603	.61142

#1	2591.2	22854.	711.06	1527.1
#2	2612.5	22951.	710.42	1533.1
#3	2607.7	22895.	710.33	1545.5

Sample Name: 580-29359-A-1-B Acquired: 10/28/2011 10:07:45 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0003	.9445	.0064	.6095	.00048	22.63
Stddev	.0004	.1612	.0010	.0043	.00063	.33
%RSD	147.8	17.07	15.76	.6978	130.66	1.466

#1	-.0001	.8230	.0052	.6134	.00079	22.77
#2	.0007	1.127	.0069	.6050	.00089	22.25
#3	.0002	.8833	.0070	.6101	-.00024	22.86

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0021	.0048	.0029	.2069	4.061	.0054
Stddev	.0001	.0002	.0005	.0455	.012	.0006
%RSD	4.831	4.278	16.56	21.97	.2846	10.20

#1	.0021	.0047	.0031	.1652	4.048	.0049
#2	.0019	.0050	.0023	.2554	4.065	.0060
#3	.0021	.0046	.0032	.2002	4.070	.0054

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0148	.0008	.0038	.0029	.0531
Stddev	.0014	.0017	.0021	.0024	.0007
%RSD	9.209	220.3	55.74	81.58	1.260

#1	.0164	.0010	.0059	.0003	.0539
#2	.0139	-.0010	.0038	.0037	.0530
#3	.0142	.0024	.0017	.0048	.0526

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1974.8	20414.	733.12	1593.7
Stddev	4.2	38.	7.62	10.4
%RSD	.21063	.18803	1.0390	.65261

#1	1977.9	20452.	726.95	1584.1
#2	1976.3	20415.	730.79	1592.2
#3	1970.1	20375.	741.63	1604.8

Sample Name: 580-29359-A-2-B Acquired: 10/28/2011 10:13:50 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0002	.7639	.0084	.5747	.00047	21.29
Stddev	.0001	.1929	.0019	.0021	.00015	.10
%RSD	21.97	25.25	22.62	.3659	32.503	.4884

#1	.0003	.9738	.0064	.5724	.00052	21.33
#2	.0003	.7237	.0101	.5766	.00060	21.36
#3	.0002	.5943	.0086	.5751	.00030	21.17

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0015	.0041	.0033	.1357	2.938	.0037
Stddev	.0000	.0001	.0006	.0031	.011	.0008
%RSD	.0616	3.121	17.58	2.253	.3771	21.98

#1	.0015	.0042	.0027	.1369	2.942	.0035
#2	.0015	.0040	.0033	.1322	2.925	.0046
#3	.0015	.0041	.0038	.1379	2.947	.0030

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0056	-.0002	.0025	-.0005	.0283
Stddev	.0014	.0029	.0002	.0008	.0004
%RSD	25.65	1211.	7.954	148.0	1.521

#1	.0070	-.0033	.0023	-.0008	.0285
#2	.0042	.0025	.0027	.0004	.0286
#3	.0055	.0001	.0025	-.0011	.0278

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1956.5	20174.	734.65	1592.0
Stddev	7.9	100.	7.44	13.5
%RSD	.40529	.49394	1.0122	.84515

#1	1963.9	20238.	740.52	1605.3
#2	1957.5	20226.	726.29	1578.4
#3	1948.1	20060.	737.13	1592.3

Sample Name: 580-29359-A-3-B Acquired: 10/28/2011 10:19:58 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0003	.4864	.0111	.3954	-.00004	41.26
Stddev	.0002	.0489	.0005	.0015	.00025	.09
%RSD	51.14	10.05	4.707	.3768	707.83	.2146

#1	.0002	.4681	.0116	.3940	-.00033	41.28
#2	.0003	.5418	.0112	.3970	.00008	41.17
#3	.0005	.4494	.0105	.3953	.00014	41.34

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0011	.0041	.0060	.1499	5.320	.0039
Stddev	.0001	.0002	.0006	.0297	.042	.0003
%RSD	4.710	4.128	10.08	19.83	.7861	6.641

#1	.0012	.0039	.0066	.1842	5.298	.0038
#2	.0011	.0042	.0054	.1315	5.294	.0038
#3	.0011	.0041	.0059	.1341	5.369	.0042

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0030	-.0023	.0041	-.0019	.0485
Stddev	.0024	.0007	.0005	.0018	.0002
%RSD	79.17	29.74	11.42	93.98	.5095

#1	.0003	-.0031	.0044	-.0008	.0487
#2	.0047	-.0020	.0036	-.0009	.0485
#3	.0040	-.0019	.0044	-.0039	.0482

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1994.4	20692.	762.54	1646.5
Stddev	6.4	92.	7.75	19.7
%RSD	.32004	.44599	1.0165	1.1984

#1	1990.1	20655.	764.44	1657.0
#2	2001.8	20796.	769.16	1658.7
#3	1991.4	20623.	754.01	1623.7

Sample Name: 580-29359-A-4-B Acquired: 10/28/2011 10:26:05 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0003	.9479	.0080	.7372	-.00022	19.09
Stddev	.0006	.1956	.0007	.0083	.00050	.15
%RSD	176.4	20.63	8.173	1.125	231.46	.7898

#1	.0004	.7260	.0083	.7438	-.00052	19.23
#2	.0009	1.022	.0072	.7279	-.00049	18.93
#3	-.0003	1.095	.0085	.7399	.00036	19.10

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0019	.0048	.0024	.1886	3.310	.0047
Stddev	.0001	.0001	.0005	.0136	.029	.0003
%RSD	6.372	2.283	20.68	7.236	.8784	7.340

#1	.0018	.0048	.0028	.2007	3.325	.0045
#2	.0018	.0049	.0025	.1738	3.328	.0046
#3	.0020	.0047	.0019	.1914	3.277	.0051

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0091	.0001	.0016	-.0005	.0290
Stddev	.0010	.0014	.0031	.0017	.0003
%RSD	10.46	1505.	193.6	358.2	.8834

#1	.0090	.0013	.0045	-.0019	.0288
#2	.0101	-.0014	.0019	.0015	.0288
#3	.0082	.0004	-.0016	-.0010	.0293

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1994.5	20500.	750.87	1621.8
Stddev	8.9	84.	4.47	13.8
%RSD	.44374	.40822	.59568	.85287

#1	1986.6	20446.	745.73	1606.4
#2	1993.0	20457.	753.87	1633.2
#3	2004.0	20597.	753.01	1625.8

Sample Name: 580-29359-A-5-B Acquired: 10/28/2011 10:32:11 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0003	2.149	.0094	.7633	.00038	20.28
Stddev	.0003	.427	.0008	.0117	.00022	.38
%RSD	88.40	19.90	7.988	1.535	57.379	1.874

#1	.0005	2.483	.0101	.7510	.00063	19.91
#2	.0005	2.296	.0095	.7743	.00031	20.67
#3	.0000	1.667	.0086	.7645	.00021	20.27

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0025	.0063	.0105	1.111	3.056	.0089
Stddev	.0002	.0002	.0005	.045	.030	.0005
%RSD	6.241	3.438	5.082	4.066	.9804	5.785

#1	.0026	.0061	.0105	1.086	3.086	.0095
#2	.0025	.0065	.0111	1.084	3.055	.0085
#3	.0023	.0064	.0100	1.163	3.026	.0089

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0104	.0001	.0018	-.0037	.1409
Stddev	.0008	.0012	.0036	.0007	.0004
%RSD	8.109	934.1	203.9	18.31	.2692

#1	.0112	-.0002	-.0021	-.0032	.1408
#2	.0106	-.0009	.0051	-.0035	.1407
#3	.0095	.0015	.0023	-.0045	.1414

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1960.3	20337.	722.01	1561.6
Stddev	16.8	165.	13.11	17.2
%RSD	.85606	.81059	1.8159	1.0996

#1	1941.8	20152.	731.00	1572.3
#2	1964.7	20389.	706.96	1541.8
#3	1974.4	20469.	728.06	1570.8

Sample Name: 580-29359-A-6-B Acquired: 10/28/2011 10:38:14 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0006	1.016	.0094	.7919	-.00001	20.80
Stddev	.0002	.236	.0040	.0050	.00013	.08
%RSD	35.90	23.24	42.17	.6351	1599.2	.3845

#1	.0007	1.209	.0054	.7876	-.00011	20.73
#2	.0008	1.086	.0133	.7975	.00014	20.80
#3	.0004	.7525	.0095	.7906	-.00005	20.89

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0025	.0057	.0041	.2350	3.366	.0054
Stddev	.0001	.0002	.0007	.0419	.013	.0002
%RSD	5.151	4.185	16.71	17.81	.3905	3.044

#1	.0024	.0059	.0040	.1995	3.380	.0052
#2	.0024	.0057	.0048	.2244	3.355	.0054
#3	.0026	.0054	.0034	.2812	3.361	.0055

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0136	-.0005	.0032	-.0016	.0786
Stddev	.0011	.0025	.0015	.0009	.0002
%RSD	8.463	464.0	48.40	53.51	.2148

#1	.0126	-.0034	.0048	-.0021	.0788
#2	.0148	.0012	.0028	-.0006	.0784
#3	.0133	.0006	.0018	-.0022	.0786

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1993.4	20696.	735.53	1597.1
Stddev	8.8	100.	9.58	10.9
%RSD	.43958	.48408	1.3018	.67993

#1	1984.1	20588.	744.71	1609.7
#2	1994.5	20712.	725.60	1590.8
#3	2001.5	20787.	736.28	1590.9

Sample Name: 580-29359-A-7-B Acquired: 10/28/2011 10:44:18 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0006	.6327	.0112	.7728	.00039	23.86
Stddev	.0003	.1117	.0032	.0023	.00040	.07
%RSD	51.00	17.66	28.61	.3010	103.39	.2900

#1	.0003	.7169	.0119	.7713	.00078	23.89
#2	.0005	.5059	.0077	.7755	-.00002	23.90
#3	.0009	.6752	.0140	.7716	.00040	23.78

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0054	.0043	.0113	.2175	3.291	.0058
Stddev	.0001	.0003	.0005	.0518	.016	.0006
%RSD	1.016	5.838	4.128	23.83	.4707	9.796

#1	.0053	.0041	.0116	.2765	3.303	.0063
#2	.0054	.0043	.0108	.1792	3.298	.0052
#3	.0055	.0046	.0116	.1969	3.274	.0061

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0262	.0007	.0024	-.0034	.0999
Stddev	.0008	.0009	.0038	.0004	.0004
%RSD	2.997	124.0	158.4	12.11	.4329

#1	.0267	.0003	.0000	-.0030	.1003
#2	.0253	.0018	.0005	-.0036	.0998
#3	.0265	.0001	.0068	-.0038	.0995

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1983.9	20660.	739.10	1603.7
Stddev	3.2	85.	3.55	11.6
%RSD	.15983	.41301	.47984	.72160

#1	1981.0	20635.	741.60	1614.6
#2	1983.5	20590.	735.04	1591.6
#3	1987.3	20755.	740.66	1604.8

Sample Name: 580-29359-A-8-B Acquired: 10/28/2011 10:50:22 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0007	.8597	.0077	.8045	-.00024	20.91
Stddev	.0002	.1522	.0017	.0047	.00040	.09
%RSD	23.66	17.70	21.57	.5797	164.69	.4393

#1	.0006	.9499	.0092	.8043	-.00066	21.02
#2	.0006	.6841	.0059	.7999	-.00021	20.85
#3	.0008	.9453	.0080	.8092	.00014	20.87

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0046	.0053	.0045	.2796	3.177	.0049
Stddev	.0001	.0001	.0005	.0372	.010	.0006
%RSD	1.549	1.626	10.05	13.29	.3209	11.97

#1	.0046	.0054	.0047	.2724	3.170	.0052
#2	.0046	.0052	.0048	.3198	3.172	.0042
#3	.0045	.0054	.0040	.2465	3.189	.0052

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0212	-.0006	.0002	-.0006	.0666
Stddev	.0006	.0017	.0024	.0013	.0005
%RSD	2.763	293.5	984.7	217.9	.7014

#1	.0219	-.0012	.0015	-.0010	.0662
#2	.0210	-.0019	-.0025	.0009	.0671
#3	.0208	.0014	.0018	-.0017	.0665

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1981.4	20511.	740.96	1604.3
Stddev	5.4	80.	3.89	3.7
%RSD	.27240	.39073	.52475	.23271

#1	1982.4	20531.	737.40	1606.8
#2	1986.2	20579.	740.38	1606.0
#3	1975.5	20422.	745.11	1600.0

Sample Name: 580-29359-A-14-B Acquired: 10/28/2011 10:56:26 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0009	.9437	.0437	.8049	.00024	46.64
Stddev	.0001	.3224	.0012	.0066	.00061	.36
%RSD	10.10	34.17	2.673	.8151	250.95	.7823

#1	.0009	1.191	.0451	.8122	.00067	46.99
#2	.0009	1.060	.0429	.7993	-.00046	46.26
#3	.0008	.5791	.0433	.8033	.00052	46.68

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0059	.0192	.0366	.4138	5.171	.0612
Stddev	.0001	.0004	.0008	.0298	.026	.0004
%RSD	1.745	2.175	2.101	7.192	.5115	.7107

#1	.0061	.0188	.0358	.4020	5.142	.0613
#2	.0059	.0196	.0368	.3917	5.194	.0607
#3	.0059	.0192	.0373	.4476	5.176	.0615

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.2546	.0035	.0042	-.0063	2.963
Stddev	.0016	.0017	.0030	.0034	.021
%RSD	.6469	48.25	71.19	54.26	.7051

#1	.2561	.0029	.0076	-.0060	2.987
#2	.2529	.0054	.0020	-.0098	2.948
#3	.2548	.0022	.0030	-.0030	2.955

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1931.4	20083.	707.44	1534.4
Stddev	9.0	102.	8.44	7.6
%RSD	.46589	.50908	1.1926	.49356

#1	1941.5	20196.	714.26	1533.1
#2	1924.3	19997.	710.06	1542.6
#3	1928.3	20055.	698.00	1527.6

Sample Name: 580-29345-A-1-B Acquired: 10/28/2011 11:02:30 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0001	.9378	.0055	.3472	.00026	13.64
Stddev	.0003	.3678	.0032	.0006	.00038	.10
%RSD	184.7	39.22	58.87	.1609	147.71	.7013

#1	-.0001	.9332	.0037	.3474	-.00018	13.74
#2	.0004	.5724	.0036	.3466	.00044	13.55
#3	.0001	1.308	.0092	.3476	.00051	13.65

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0001	.0059	.0035	.5027	31.69	.0066
Stddev	.0001	.0003	.0002	.0353	.33	.0003
%RSD	52.81	4.529	5.716	7.030	1.042	4.997

#1	.0001	.0062	.0036	.4672	32.06	.0065
#2	.0001	.0057	.0036	.5030	31.59	.0063
#3	.0002	.0058	.0032	.5379	31.42	.0070

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0035	-.0022	.0007	-.0045	.0195
Stddev	.0009	.0026	.0042	.0021	.0003
%RSD	26.37	114.1	594.0	47.04	1.537

#1	.0046	.0004	.0048	-.0054	.0194
#2	.0032	-.0024	.0008	-.0021	.0192
#3	.0028	-.0047	-.0035	-.0060	.0198

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1938.9	20147.	723.97	1571.8
Stddev	13.8	178.	9.07	8.0
%RSD	.71284	.88387	1.2529	.50905

#1	1924.5	19950.	733.94	1581.0
#2	1940.3	20196.	721.75	1567.7
#3	1952.0	20296.	716.22	1566.7

Sample Name: CCV Acquired: 10/28/2011 11:08:37 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	1.009	9.668	4.924	2.471	.10053	19.92
Stddev	.002	.426	.005	.023	.00209	.25
%RSD	.1662	4.408	.1060	.9178	2.0771	1.249
#1	1.009	9.654	4.922	2.445	.09861	19.64
#2	1.007	9.249	4.930	2.481	.10023	20.10
#3	1.010	10.10	4.920	2.487	.10275	20.02

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.4984	.5014	.5001	10.17	19.91	.4755
Stddev	.0011	.0011	.0009	.13	.05	.0008
%RSD	.2170	.2129	.1785	1.321	.2436	.1718
#1	.4987	.5002	.4992	10.04	19.85	.4756
#2	.4993	.5021	.5010	10.15	19.95	.4746
#3	.4972	.5020	.5003	10.31	19.92	.4763

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 10/28/2011 11:08:37 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	5.010	2.451	4.914	2.441	.4963
Stddev	.012	.007	.007	.004	.0018
%RSD	.2441	.2684	.1426	.1434	.3539
#1	5.009	2.452	4.919	2.443	.4983
#2	5.022	2.457	4.918	2.437	.4955
#3	4.997	2.444	4.906	2.443	.4951

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2348.9	22474.	714.60	1534.0
Stddev	8.1	75.	8.10	12.7
%RSD	.34628	.33561	1.1338	.82990
#1	2358.1	22538.	718.85	1542.5
#2	2342.7	22391.	719.70	1540.1
#3	2345.9	22492.	705.26	1519.3

Sample Name: CCB Acquired: 10/28/2011 11:14:14 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0001	.0288	.0016	.0009	-.00056	-.0162
Stddev	.0003	.1153	.0032	.0027	.00074	.0930
%RSD	299.8	400.1	195.4	295.1	130.80	575.6
#1	-.0001	-.0919	.0042	-.0020	-.00086	.0651
#2	.0000	.1378	.0026	.0014	-.00111	.0040
#3	.0004	.0406	-.0019	.0033	.00028	-.1176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	-.0001	.0000	.0007	-.0059	.0070	.0004
Stddev	.0001	.000	.0003	.0406	.0019	.0002
%RSD	93.09	588.8	36.99	687.0	27.86	57.17
#1	-.0001	.0002	.0007	-.0219	.0085	.0003
#2	-.0002	-.0002	.0005	-.0361	.0076	.0003
#3	.0000	-.0001	.0010	.0403	.0048	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/28/2011 11:14:14 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0008	.0015	.0008	.0051	.0003
Stddev	.0008	.0024	.0017	.0021	.0001
%RSD	103.9	165.2	210.3	40.91	30.99
#1	.0004	.0036	-.0010	.0074	.0004
#2	.0017	.0019	.0011	.0045	.0002
#3	.0002	-.0012	.0023	.0034	.0004

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2552.5	22242.	707.51	1527.7
Stddev	1.9	40.	4.85	11.2
%RSD	.07513	.17759	.68552	.73620
#1	2552.1	22197.	711.66	1540.0
#2	2554.5	22263.	702.18	1518.0
#3	2550.8	22267.	708.69	1525.1

Sample Name: 580-29349-A-3-B Acquired: 10/28/2011 11:26:25 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0003	.6594	.0073	.5923	-.00011	8.047
Stddev	.0002	.2309	.0014	.0029	.00017	.123
%RSD	67.62	35.02	18.96	.4857	152.28	1.533

#1	.0004	.9126	.0072	.5928	-.00009	7.996
#2	.0006	.4606	.0060	.5949	.00004	8.188
#3	.0001	.6049	.0087	.5892	-.00029	7.957

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0001	.0060	.0087	.3169	3.586	.0143
Stddev	.0001	.0001	.0008	.0257	.015	.0004
%RSD	180.0	1.477	8.729	8.123	.4273	2.967

#1	.0001	.0061	.0085	.3430	3.588	.0139
#2	-.0001	.0059	.0081	.3163	3.570	.0143
#3	.0001	.0060	.0096	.2915	3.600	.0148

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0015	-.0015	.0042	-.0029	.0156
Stddev	.0012	.0013	.0013	.0010	.0003
%RSD	74.78	90.04	31.67	34.39	2.040

#1	.0025	.0000	.0040	-.0027	.0158
#2	.0018	-.0026	.0030	-.0021	.0159
#3	.0003	-.0018	.0056	-.0040	.0153

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1963.7	20443.	723.28	1560.7
Stddev	4.6	45.	3.88	15.1
%RSD	.23649	.21952	.53633	.96622

#1	1967.3	20446.	726.19	1577.3
#2	1965.4	20486.	724.77	1547.9
#3	1958.5	20397.	718.87	1556.9

Sample Name: 580-29349-A-4-B Acquired: 10/28/2011 11:32:32 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0008	.5905	.0046	.4176	.00017	6.430
Stddev	.0005	.2328	.0026	.0056	.00026	.096
%RSD	66.52	39.43	56.96	1.339	147.79	1.493

#1	.0008	.7335	.0029	.4218	-.00002	6.487
#2	.0003	.3218	.0075	.4199	.00046	6.483
#3	.0013	.7162	.0032	.4113	.00008	6.319

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0000	.0054	.0054	.3332	2.858	.0104
Stddev	.000	.0001	.0005	.0334	.019	.0007
%RSD	387.9	2.637	9.859	10.01	.6527	6.657

#1	-.0002	.0055	.0050	.3210	2.864	.0106
#2	.0001	.0053	.0060	.3710	2.874	.0096
#3	-.0001	.0054	.0052	.3077	2.838	.0110

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0022	-.0028	.0032	-.0034	.0107
Stddev	.0020	.0014	.0010	.0027	.0003
%RSD	92.17	48.99	32.83	80.74	2.640

#1	-.0001	-.0043	.0044	-.0065	.0106
#2	.0034	-.0016	.0026	-.0016	.0111
#3	.0033	-.0025	.0025	-.0021	.0106

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1987.5	20627.	734.95	1591.9
Stddev	4.1	58.	5.72	8.0
%RSD	.20676	.28117	.77892	.50180

#1	1983.0	20588.	736.89	1590.2
#2	1988.3	20600.	728.50	1584.8
#3	1991.1	20694.	739.45	1600.5

Sample Name: 580-29349-A-5-B Acquired: 10/28/2011 11:38:39 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0001	1.284	.0050	.5772	-.00036	8.822
Stddev	.0005	.082	.0009	.0032	.00072	.110
%RSD	328.3	6.363	17.53	.5527	199.35	1.244

#1	-.0002	1.191	.0055	.5804	-.00038	8.761
#2	.0007	1.324	.0054	.5740	-.00108	8.949
#3	-.0001	1.339	.0040	.5771	.00037	8.756

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0001	.0062	.0069	.3216	3.603	.0174
Stddev	.0002	.0002	.0003	.0709	.018	.0007
%RSD	154.4	3.574	4.203	22.06	.5133	4.082

#1	.0000	.0064	.0066	.3929	3.588	.0171
#2	.0003	.0062	.0070	.3207	3.597	.0169
#3	.0000	.0060	.0071	.2511	3.623	.0182

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0011	-.0008	.0008	-.0039	.0189
Stddev	.0008	.0014	.0025	.0025	.0004
%RSD	70.61	177.0	327.3	63.97	2.059

#1	.0002	-.0022	.0026	-.0045	.0189
#2	.0018	-.0009	.0018	-.0011	.0193
#3	.0014	.0007	-.0021	-.0059	.0185

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1959.5	20560.	721.46	1565.4
Stddev	14.9	112.	5.63	7.0
%RSD	.76043	.54579	.78065	.44612

#1	1974.8	20662.	722.19	1573.4
#2	1958.8	20576.	715.50	1560.5
#3	1945.0	20440.	726.69	1562.4

Sample Name: 580-29349-A-6-B Acquired: 10/28/2011 11:44:46 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0003	.7046	.0071	.5912	-.00006	13.06
Stddev	.0001	.3475	.0016	.0063	.00073	.15
%RSD	52.45	49.31	22.84	1.068	1307.9	1.114

#1	.0004	.3037	.0052	.5967	-.00036	13.20
#2	.0003	.8924	.0079	.5926	.00078	13.07
#3	.0001	.9178	.0081	.5843	-.00059	12.91

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0002	.0046	.0066	.1688	3.850	.0127
Stddev	.0001	.0002	.0001	.0231	.007	.0002
%RSD	26.45	3.636	.8151	13.68	.1781	1.759

#1	.0002	.0045	.0065	.1952	3.847	.0125
#2	.0003	.0048	.0066	.1592	3.846	.0128
#3	.0003	.0045	.0065	.1521	3.858	.0129

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0030	-.0007	.0029	-.0044	.1360
Stddev	.0021	.0008	.0032	.0031	.0012
%RSD	69.46	118.7	109.9	69.15	.8791

#1	.0026	.0002	.0004	-.0062	.1373
#2	.0052	-.0012	.0066	-.0062	.1357
#3	.0011	-.0010	.0018	-.0009	.1350

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1948.1	20238.	706.68	1534.7
Stddev	6.1	68.	2.89	21.4
%RSD	.31264	.33508	.40916	1.3956

#1	1954.9	20314.	706.24	1523.8
#2	1946.2	20184.	704.04	1521.0
#3	1943.1	20216.	709.77	1559.4

Sample Name: 580-29388-A-2-B Acquired: 10/28/2011 11:50:50 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0001	.3485	.0068	.7178	.00389	55.80
Stddev	.0002	.0426	.0001	.0042	.00029	.40
%RSD	198.8	12.21	1.034	.5806	7.3919	.7206

#1	-.0001	.3024	.0069	.7198	.00410	55.65
#2	.0003	.3568	.0068	.7205	.00356	56.26
#3	.0001	.3863	.0067	.7130	.00401	55.50

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0212	.0040	.0032	.1463	29.51	.0171
Stddev	.0001	.0001	.0003	.0449	.50	.0003
%RSD	.3368	2.175	9.700	30.68	1.694	2.030

#1	.0213	.0040	.0029	.1981	29.80	.0169
#2	.0211	.0041	.0035	.1212	29.80	.0170
#3	.0212	.0039	.0033	.1196	28.93	.0175

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0041	-.0003	.0038	-.0029	.0075
Stddev	.0013	.0029	.0046	.0012	.0003
%RSD	31.25	856.0	122.8	41.24	3.435

#1	.0056	-.0026	.0059	-.0019	.0073
#2	.0031	.0030	.0069	-.0026	.0073
#3	.0036	-.0014	-.0015	-.0042	.0078

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1916.0	20199.	732.28	1576.5
Stddev	26.9	276.	9.85	13.1
%RSD	1.4037	1.3647	1.3457	.82852

#1	1906.6	20122.	741.66	1589.6
#2	1895.0	19970.	733.17	1576.4
#3	1946.3	20505.	722.01	1563.5

Sample Name: 580-29388-A-5-B Acquired: 10/28/2011 11:56:57 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0003	.6732	.0506	.1121	-.00001	25.03
Stddev	.0004	.1832	.0010	.0010	.00075	.02
%RSD	113.5	27.21	2.054	.9320	8213.3	.0968

#1	.0004	.6982	.0513	.1123	-.00084	25.04
#2	-.0001	.8426	.0511	.1109	.00063	25.05
#3	.0007	.4788	.0494	.1130	.00018	25.00

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0042	.0440	.2290	1.332	16.03	.4234
Stddev	.0001	.0004	.0037	.066	.16	.0066
%RSD	3.028	.8975	1.595	4.936	1.022	1.561

#1	.0043	.0440	.2326	1.275	16.19	.4285
#2	.0041	.0445	.2291	1.404	16.03	.4257
#3	.0041	.0437	.2252	1.316	15.87	.4159

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.2498	.2992	.0091	-.0014	.5356
Stddev	.0034	.0046	.0028	.0023	.0028
%RSD	1.352	1.530	30.85	168.0	.5243

#1	.2532	.3040	.0094	-.0038	.5367
#2	.2498	.2989	.0061	-.0012	.5377
#3	.2464	.2949	.0117	.0009	.5324

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1834.0	19470.	721.46	1552.9
Stddev	15.3	167.	6.44	18.8
%RSD	.83350	.85870	.89317	1.2132

#1	1822.2	19311.	721.69	1557.0
#2	1828.6	19456.	727.78	1569.4
#3	1851.3	19644.	714.90	1532.4

Sample Name: 580-29388-A-5-B Acquired: 10/28/2011 12:03:06 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: 1/10 Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-0.0001	-0.0809	.0064	.0099	-0.00020	2.377
Stddev	.0002	.2941	.0011	.0009	.00111	.080
%RSD	313.4	363.5	17.76	9.344	548.64	3.383

#1	-0.0001	-0.0599	.0078	.0089	.00086	2.331
#2	.0002	.2021	.0057	.0105	-0.00012	2.470
#3	-0.0002	-0.3850	.0059	.0105	-0.00136	2.330

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0004	.0038	.0229	.1470	1.649	.0397
Stddev	.0001	.0002	.0005	.0406	.004	.0003
%RSD	32.66	5.153	2.232	27.60	.2317	.7024

#1	.0003	.0036	.0223	.1915	1.645	.0400
#2	.0003	.0040	.0231	.1376	1.650	.0395
#3	.0005	.0038	.0233	.1120	1.653	.0396

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0260	.0258	.0012	-0.0007	.0585
Stddev	.0007	.0036	.0012	.0020	.0003
%RSD	2.622	14.14	104.8	290.5	.4765

#1	.0266	.0281	.0008	-0.0020	.0584
#2	.0260	.0276	.0002	.0016	.0588
#3	.0253	.0216	.0026	-0.0016	.0583

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2259.0	22487.	743.71	1604.1
Stddev	3.6	36.	6.52	12.4
%RSD	.16036	.16045	.87677	.77507

#1	2263.1	22521.	751.13	1615.8
#2	2256.3	22492.	738.88	1591.0
#3	2257.5	22449.	741.12	1605.5

Sample Name: 580-28987-A-1-D Acquired: 10/28/2011 12:09:04 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0008	7.641	.0058	2.274	-.00019	167.0
Stddev	.0001	.125	.0025	.004	.00082	.6
%RSD	19.11	1.631	42.12	.1767	435.72	.3629

#1	.0009	7.686	.0037	2.270	-.00073	166.5
#2	.0006	7.737	.0054	2.273	-.00059	166.8
#3	.0008	7.500	.0085	2.278	.00076	167.6

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0083	.0496	.0142	46.77	8.443	.0725
Stddev	.0001	.0003	.0004	.34	.032	.0002
%RSD	.7589	.5839	2.957	.7178	.3803	.3306

#1	.0082	.0496	.0144	47.01	8.463	.0726
#2	.0082	.0499	.0145	46.91	8.461	.0726
#3	.0083	.0493	.0137	46.39	8.406	.0722

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.1895	.0220	.0057	-.0041	12.57
Stddev	.0015	.0015	.0007	.0027	.03
%RSD	.8022	6.947	13.17	67.16	.2365

#1	.1912	.0230	.0050	-.0040	12.60
#2	.1892	.0227	.0056	-.0014	12.57
#3	.1882	.0202	.0065	-.0069	12.54

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2060.7	21697.	735.11	1589.1
Stddev	2.4	67.	2.46	5.9
%RSD	.11634	.30767	.33410	.36895

#1	2059.0	21625.	734.14	1590.2
#2	2059.5	21710.	737.90	1594.4
#3	2063.4	21757.	733.28	1582.8

Sample Name: 580-28987-A-1-D Acquired: 10/28/2011 12:15:06 Type: Unk

Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000

User: SPP Dilution: 1/10 Analysts: Method:

Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	-.0001	.7158	.0023	.2262	-.00063	16.69
Stddev	.0002	.1837	.0022	.0042	.00030	.16
%RSD	156.6	25.66	94.68	1.855	48.031	.9692

#1	-.0002	.8564	.0031	.2238	-.00032	16.51
#2	.0001	.7831	.0040	.2310	-.00092	16.82
#3	-.0003	.5079	-.0002	.2237	-.00066	16.74

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.0008	.0048	.0029	4.687	.8938	.0075
Stddev	.0001	.0003	.0005	.054	.0040	.0006
%RSD	12.44	6.658	16.95	1.146	.4424	7.798

#1	.0009	.0048	.0024	4.625	.8983	.0071
#2	.0007	.0051	.0030	4.718	.8908	.0073
#3	.0008	.0044	.0034	4.718	.8923	.0082

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0208	.0024	.0002	-.0028	1.381
Stddev	.0008	.0020	.0024	.0013	.001
%RSD	3.988	82.44	1061.	48.09	.0984

#1	.0206	.0045	-.0024	-.0014	1.380
#2	.0200	.0019	.0023	-.0030	1.380
#3	.0217	.0007	.0008	-.0040	1.382

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2459.4	23980.	766.94	1664.0
Stddev	3.6	42.	10.50	22.7
%RSD	.14475	.17505	1.3693	1.3659

#1	2455.6	23931.	777.60	1684.5
#2	2462.6	24004.	756.60	1639.5
#3	2460.1	24004.	766.62	1668.0

Sample Name: CCV Acquired: 10/28/2011 12:21:03 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	1.051	9.778	4.895	2.441	.09814	19.31
Stddev	.002	.170	.004	.007	.00030	.28
%RSD	.1438	1.737	.0887	.3037	.30841	1.433
#1	1.052	9.932	4.899	2.437	.09807	19.03
#2	1.053	9.807	4.891	2.450	.09847	19.58
#3	1.050	9.596	4.894	2.437	.09788	19.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	.4883	.4894	.5010	10.04	19.24	.4731
Stddev	.0012	.0019	.0021	.10	.07	.0024
%RSD	.2551	.3887	.4267	1.029	.3763	.4971
#1	.4897	.4915	.5034	9.977	19.32	.4755
#2	.4874	.4881	.4996	10.16	19.17	.4730
#3	.4878	.4884	.4998	9.982	19.22	.4708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/28/2011 12:21:03 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	4.906	2.433	4.850	2.428	.5127
Stddev	.015	.005	.010	.006	.0010
%RSD	.3125	.1970	.2110	.2635	.1872
#1	4.922	2.438	4.856	2.429	.5117
#2	4.891	2.430	4.855	2.421	.5136
#3	4.904	2.430	4.838	2.434	.5128

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2445.9	23731.	756.18	1646.9
Stddev	7.2	79.	2.77	10.4
%RSD	.29408	.33199	.36603	.62878
#1	2438.6	23650.	759.05	1657.8
#2	2453.0	23807.	755.98	1645.9
#3	2446.0	23735.	753.52	1637.1

Sample Name: CCB Acquired: 10/28/2011 12:26:40 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3158
Line	328.068 {103}	308.215 {109}	189.042 {478}	455.403 { 74}	313.042 {108}	315.887 {107}
Units	mg/l	ppm	mg/l	ppm	mg/l	mg/l
Avg	.0001	.1903	.0004	-.0021	-.00032	-.0519
Stddev	.0004	.2392	.0008	.0021	.00008	.0620
%RSD	287.7	125.7	221.8	96.89	26.170	119.3
#1	-.0002	.2816	-.0005	-.0017	-.00025	-.0636
#2	.0006	-.0811	.0010	-.0003	-.00041	.0151
#3	.0000	.3704	.0006	-.0044	-.00031	-.1072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Cr2677	Cu3273	Fe2599	Mg2790	Ni2316
Line	226.502 {449}	267.716 {126}	327.396 {103}	259.940 {130}	279.079 {121}	231.604 {446}
Units	mg/l	ppm	ppm	mg/l	mg/l	mg/l
Avg	-.0001	-.0002	.0011	-.0081	.0039	-.0001
Stddev	.0001	.0001	.0001	.0575	.0007	.0004
%RSD	95.10	36.22	4.826	712.7	17.61	498.5
#1	-.0001	-.0003	.0011	-.0393	.0045	.0003
#2	-.0001	-.0001	.0010	.0583	.0032	-.0005
#3	.0000	-.0003	.0011	-.0431	.0041	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/28/2011 12:26:40 Type: QC
 Method: 6010-2007Oct2011Short Mode: CONC Corr. Factor: 1.000000
 User: SPP Dilution: Analysts: Method:
 Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	Zn2138
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	213.856 {458}
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Avg	.0003	.0004	-.0011	.0062	.0003
Stddev	.0008	.0031	.0059	.0011	.0003
%RSD	236.4	778.1	531.8	17.98	81.99
#1	-.0003	-.0006	-.0066	.0066	.0001
#2	.0012	-.0021	-.0018	.0070	.0006
#3	.0000	.0039	.0051	.0049	.0002

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2709.6	24245.	733.76	1586.4
Stddev	12.4	109.	5.70	16.0
%RSD	.45896	.44860	.77731	1.0105
#1	2714.9	24270.	736.21	1594.6
#2	2718.5	24339.	727.24	1568.0
#3	2695.4	24126.	737.83	1596.8

102611-HG

Method: Hg

Operator: Admin

Date of Analysis: 26 Oct 2011 09:49:14

Sample ID	Mean	Units	RSD	Date	Extended ID	Seq ID	Curve Type	Type	Method	Std Conc
580-29270-A-22-E	1.282	ug/l	0.383	26 Oct 2011	12:50:23TAC103 FCW 98587	5991	Linear	SMPL	Hg	-
580-29270-A-23-E	0.577	ug/l	0.229	26 Oct 2011	12:52:19TAC103 FCW 98587	5992	Linear	SMPL	Hg	-
580-29271-B-1-E	< 0.000	ug/l	-1.834	26 Oct 2011	12:54:16TAC103 FCW 98587 10X	5993	Linear	SMPL	Hg	-
580-29271-B-1-E	< 0.000	ug/l	0.000	26 Oct 2011	12:56:13TAC103 FCW 98587 100X	5994	Linear	SMPL	Hg	-
580-29271-B-1-E	< 0.000	ug/l	-0.433	26 Oct 2011	12:57:391X	5995	Linear	SMPL	Hg	-
580-29271-B-1-E	< 0.000	ug/l	-1.915	26 Oct 2011	12:59:3510X	5996	Linear	SMPL	Hg	-
CCV	5.734	ug/l	0.280	26 Oct 2011	13:01:32	5997	Linear	CK STND	Hg	-
CCB	-0.055	ug/l	-0.606	26 Oct 2011	13:03:29	5998	Linear	CK STND	Hg	-
MB 580-98646/21-A	0.008	ug/l	1.344	26 Oct 2011	13:20:29TAC103 FCW 98646	5999	Linear	SMPL	Hg	-
LCS 580-98646/22-A	2.339	ug/l	0.430	26 Oct 2011	13:22:25TAC103 FCW 98646	6000	Linear	SMPL	Hg	-
LCS 580-98646/23-A	2.357	ug/l	0.274	26 Oct 2011	13:24:22TAC103 FCW 98646	6001	Linear	SMPL	Hg	-
CCV	5.089	ug/l	0.227	26 Oct 2011	13:26:21	6002	Linear	CK STND	Hg	-
CCB	-0.052	ug/l	-0.737	26 Oct 2011	13:28:19	6003	Linear	CK STND	Hg	-
580-29321-B-1-A	0.004	ug/l	7.940	26 Oct 2011	13:30:20TAC103 FCW 98646	6004	Linear	SMPL	Hg	-
580-29321-B-1-B DU	0.005	ug/l	8.174	26 Oct 2011	13:32:17TAC103 FCW 98646	6005	Linear	SMPL	Hg	-
580-29321-B-1-C MS	2.252	ug/l	0.056	26 Oct 2011	13:34:14TAC103 FCW 98646	6006	Linear	SMPL	Hg	-
580-29321-B-1-D MSD	2.305	ug/l	0.366	26 Oct 2011	13:36:11TAC103 FCW 98646	6007	Linear	SMPL	Hg	-
580-29321-B-2-A	< 0.000	ug/l	-2.260	26 Oct 2011	13:38:10TAC103 FCW 98646	6008	Linear	SMPL	Hg	-
580-29321-B-3-A	0.002	ug/l	3.348	26 Oct 2011	13:40:09TAC103 FCW 98646	6009	Linear	SMPL	Hg	-
580-29321-B-4-A	0.052	ug/l	0.678	26 Oct 2011	13:42:07TAC103 FCW 98646	6010	Linear	SMPL	Hg	-
580-29321-B-5-A	0.006	ug/l	2.076	26 Oct 2011	13:44:05TAC103 FCW 98646	6011	Linear	SMPL	Hg	-
580-29321-B-6-A	0.005	ug/l	6.401	26 Oct 2011	13:46:03TAC103 FCW 98646	6012	Linear	SMPL	Hg	-
580-29321-B-7-A	0.008	ug/l	1.614	26 Oct 2011	13:48:02TAC103 FCW 98646	6013	Linear	SMPL	Hg	-
CCV	5.243	ug/l	0.321	26 Oct 2011	13:49:58	6014	Linear	CK STND	Hg	-
CCB	-0.048	ug/l	-0.133	26 Oct 2011	13:51:55	6015	Linear	CK STND	Hg	-
580-29321-B-8-A	0.006	ug/l	3.827	26 Oct 2011	13:53:55TAC103 FCW 98646	6016	Linear	SMPL	Hg	-
580-29321-B-9-A	0.005	ug/l	2.222	26 Oct 2011	13:55:52TAC103 FCW 98646	6017	Linear	SMPL	Hg	-
580-29321-B-10-A	0.012	ug/l	3.317	26 Oct 2011	13:57:49TAC103 FCW 98646	6018	Linear	SMPL	Hg	-
580-29321-B-11-A	0.009	ug/l	1.946	26 Oct 2011	13:59:46TAC103 FCW 98646	6019	Linear	SMPL	Hg	-
580-29321-B-12-A	0.010	ug/l	3.234	26 Oct 2011	14:01:43TAC103 FCW 98646	6020	Linear	SMPL	Hg	-
580-29321-B-13-A	0.006	ug/l	3.036	26 Oct 2011	14:03:40TAC103 FCW 98646	6021	Linear	SMPL	Hg	-
580-29321-B-14-A	0.006	ug/l	6.092	26 Oct 2011	14:05:37TAC103 FCW 98646	6022	Linear	SMPL	Hg	-
580-29321-B-15-A	0.010	ug/l	1.320	26 Oct 2011	14:07:35TAC103 FCW 98646	6023	Linear	SMPL	Hg	-
CCV	4.788	ug/l	0.058	26 Oct 2011	14:14:29	6024	Linear	CK STND	Hg	-
CCB	-0.086	ug/l	-0.340	26 Oct 2011	14:17:10	6025	Linear	CK STND	Hg	-
580-29299-A-1-A	2.871	ug/l	0.431	26 Oct 2011	14:19:11TAC103 FCW 98646 20X	6026	Linear	SMPL	Hg	-
580-29300-A-1-A	1.769	ug/l	0.452	26 Oct 2011	14:21:10TAC103 FCW 98646 50X	6027	Linear	SMPL	Hg	-
CCV	4.996	ug/l	0.220	26 Oct 2011	14:23:10	6028	Linear	CK STND	Hg	-
CCB	-0.059	ug/l	-1.174	26 Oct 2011	14:25:09	6029	Linear	CK STND	Hg	-

98690-HG

Method: Hg Operator: Admin Date of Analysis: 27 Oct 2011 10:14:44

Table with columns: Sample ID, Mean, Units, RSD, Date, Extended ID, Seq ID, Curve Type, Type, Method, Std Conc. Rows include STD 0 through STD 5.

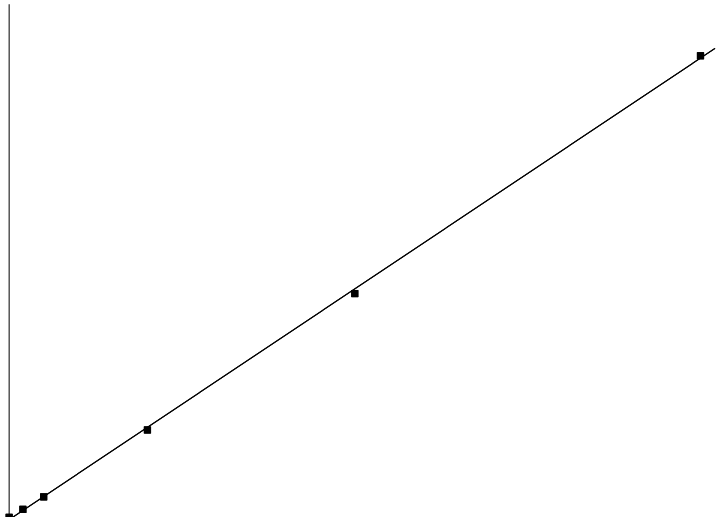
88496 µ Abs

A: 0.0000e+000

B: 1.1324e-004

C: 3.3637e-002

R: 0.9998758



Main data table with columns: Sample ID, Mean, Units, RSD, Date, Extended ID, Seq ID, Curve Type, Type, Method, Std Conc. Contains numerous rows of sample analysis data.

98690-HG

Method: Hg

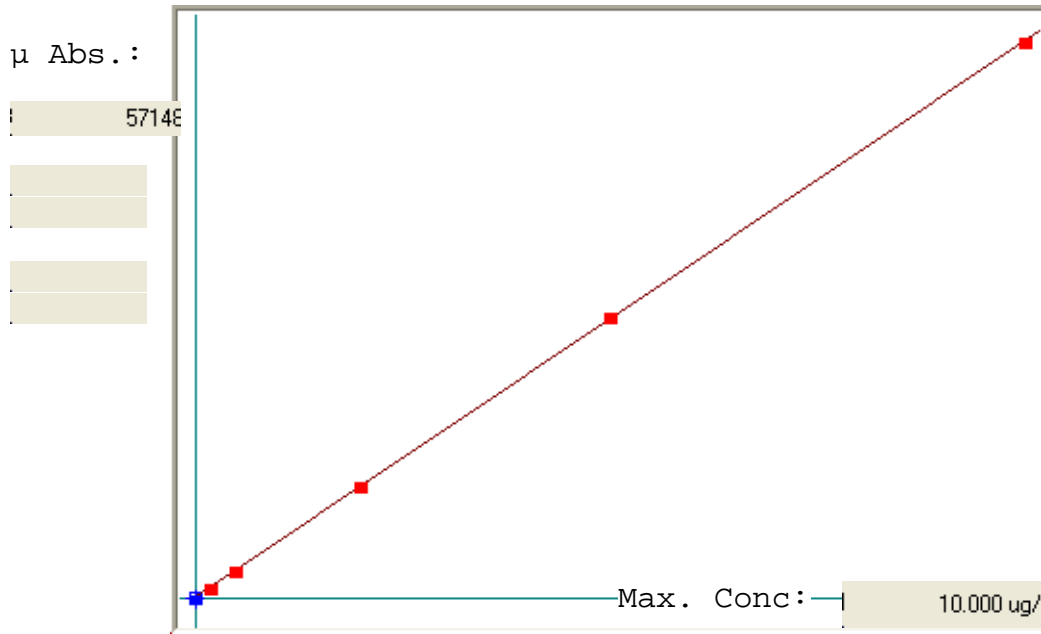
Operator: Admin

Date of Analysis: 27 Oct 2011 10:14:44

Sample ID	Mean	Units	RSD	Date	Extended ID	Seq ID	Curve Type	Type	Method	Std Conc		
MB 580-98761/21-A	0.048	ug/l	0.294	27 Oct 2011	13:18:54	TAC103	FCW 98761	6373	Linear	SMPL	Hg	-
LCS 580-98761/22-A	1.874	ug/l	0.681	27 Oct 2011	13:20:52	TAC103	FCW 98761	6374	Linear	SMPL	Hg	-
LCS 580-98761/23-A	1.808	ug/l	0.177	27 Oct 2011	13:22:51	TAC103	FCW 98761	6375	Linear	SMPL	Hg	-
580-29322-B-1-B	0.166	ug/l	0.032	27 Oct 2011	13:24:51	TAC103	FCW 98761	6376	Linear	SMPL	Hg	-
580-29322-B-1-C DU	0.159	ug/l	0.263	27 Oct 2011	13:26:51	TAC103	FCW 98761	6377	Linear	SMPL	Hg	-
580-29322-B-1-D MS	2.250	ug/l	0.202	27 Oct 2011	13:28:49	TAC103	FCW 98761	6378	Linear	SMPL	Hg	-
580-29322-B-1-E MSD	2.108	ug/l	0.338	27 Oct 2011	13:30:47	TAC103	FCW 98761	6379	Linear	SMPL	Hg	-
580-29322-B-2-B	0.149	ug/l	0.036	27 Oct 2011	13:32:47	TAC103	FCW 98761	6380	Linear	SMPL	Hg	-
580-29322-B-3-B	0.844	ug/l	0.391	27 Oct 2011	13:34:47	TAC103	FCW 98761	6381	Linear	SMPL	Hg	-
580-29322-B-4-B	0.140	ug/l	0.368	27 Oct 2011	13:36:45	TAC103	FCW 98761	6382	Linear	SMPL	Hg	-
CCV	4.604	ug/l	0.246	27 Oct 2011	13:38:43			6383	Linear	CK STND	Hg	-
CCB	0.006	ug/l	1.632	27 Oct 2011	13:40:40			6384	Linear	CK STND	Hg	-
580-29322-A-5-D	0.256	ug/l	0.350	27 Oct 2011	13:42:40	TAC103	FCW 98761	6385	Linear	SMPL	Hg	-
580-29322-A-6-D	0.808	ug/l	0.706	27 Oct 2011	13:44:38	TAC103	FCW 98761	6386	Linear	SMPL	Hg	-
580-29322-B-7-D	0.267	ug/l	0.274	27 Oct 2011	13:46:36	TAC103	FCW 98761	6387	Linear	SMPL	Hg	-
580-29323-B-1-G	1.469	ug/l	0.268	27 Oct 2011	13:48:34	TAC103	FCW 98761	6388	Linear	SMPL	Hg	-
580-29323-A-2-E	0.770	ug/l	0.270	27 Oct 2011	13:50:33	TAC103	FCW 98761	6389	Linear	SMPL	Hg	-
580-29323-B-3-F	2.327	ug/l	0.355	27 Oct 2011	13:52:32	TAC103	FCW 98761	6390	Linear	SMPL	Hg	-
580-29323-A-4-E	1.427	ug/l	0.513	27 Oct 2011	13:54:30	TAC103	FCW 98761	6391	Linear	SMPL	Hg	-
580-29323-A-5-E	1.839	ug/l	0.158	27 Oct 2011	13:56:30	TAC103	FCW 98761	6392	Linear	SMPL	Hg	-
580-29323-B-6-C	3.733	ug/l	0.341	27 Oct 2011	13:58:29	TAC103	FCW 98761	6393	Linear	SMPL	Hg	-
580-29323-A-7-E	1.453	ug/l	0.247	27 Oct 2011	14:00:28	TAC103	FCW 98761	6394	Linear	SMPL	Hg	-
CCV	4.677	ug/l	0.514	27 Oct 2011	14:02:29			6395	Linear	CK STND	Hg	-
CCB	0.004	ug/l	12.195	27 Oct 2011	14:04:27			6396	Linear	CK STND	Hg	-
CCV	4.056	ug/l	0.085	27 Oct 2011	15:49:09			6397	Linear	CK STND	Hg	-
CCB	0.134	ug/l	0.080	27 Oct 2011	15:51:06			6398	Linear	CK STND	Hg	-
580-29437-A-1-N	5.107	ug/l	0.798	27 Oct 2011	15:53:07	X		6399	Linear	SMPL	Hg	-
580-29347-A-2-A	5.995	ug/l	0.305	27 Oct 2011	15:55:04	10000X		6400	Linear	SMPL	Hg	-
CCV	4.111	ug/l	0.522	27 Oct 2011	15:59:37			6401	Linear	CK STND	Hg	-
CCB	0.140	ug/l	0.066	27 Oct 2011	16:01:33			6402	Linear	CK STND	Hg	-

Hg

Linear



A= 0.0000e+000
 B= 1.7478e-004
 C= -1.6091e-002
 Rho= 0.9999730
 Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
STD 0	0.000	-0.008	-0.008	49	1.633	51	49	47		
STD 1	0.200	0.188	-0.012	1167	0.6 %	1158	1167	1176		
STD 2	0.500	0.487	-0.013	2878	0.1 %	2873	2879	2882		
STD 3	2.000	2.006	0.006	11571	0.3 %	11521	11578	11615		
STD 4	5.000	5.054	0.054	29011	0.0 %	28996	29019	29020		
STD 5	10.000	9.972	-0.028	57148	0.5 %	56788	57164	57492		

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98076 Batch Start Date: 10/19/11 13:15 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 10/25/11 11:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_InitialpH	EFD_AddHClpH>5	InitialRoomTemp	FinalRoomTemp
MB 580-98076/1		1311, 3010A, 6010B		100.00 g	2000 mL	4.88 SU		20.9 Celsius	21.1 Celsius
580-29313-A-1	TCLP-103	1311, 3010A, 6010B	P	100.40 g	2000 mL	6.65 SU	1.92	20.9 Celsius	21.1 Celsius
580-29313-A-3	TCLP-106	1311, 3010A, 6010B	P	100.41 g	2000 mL	6.30 SU	1.79	20.9 Celsius	21.1 Celsius
580-29313-A-4	TCLP-115	1311, 3010A, 6010B	P	100.35 g	2000 mL	6.15 SU	1.83	20.9 Celsius	21.1 Celsius
580-29313-A-5	TCLP-116	1311, 3010A, 6010B	P	100.23 g	2000 mL	6.18 SU	1.96	20.9 Celsius	21.1 Celsius
580-29313-A-6	TCLP-117	1311, 3010A, 6010B	P	100.32 g	2000 mL	6.36 SU	1.92	20.9 Celsius	21.1 Celsius
580-29313-A-7	TCLP-118	1311, 3010A, 6010B	P	100.24 g	2000 mL	5.75 SU	1.88	20.9 Celsius	21.1 Celsius
580-29313-A-8	TCLP-119	1311, 3010A, 6010B	P	100.02 g	2000 mL	6.32 SU	1.85	20.9 Celsius	21.1 Celsius
580-29313-A-9	TCLP-120	1311, 3010A, 6010B	P	100.27 g	2000 mL	7.38 SU	1.98	20.9 Celsius	21.1 Celsius
580-29313-A-10	TCLP-121	1311, 3010A, 6010B	P	100.29 g	2000 mL	6.85 SU	2.41	20.9 Celsius	21.1 Celsius
580-29313-A-11	TCLP-122	1311, 3010A, 6010B	P	100.00 g	2000 mL	6.72 SU	1.83	20.9 Celsius	21.1 Celsius
580-29313-A-12	TCLP-127	1311, 3010A, 6010B	P	100.16 g	2000 mL	6.46 SU	2.06	20.9 Celsius	21.1 Celsius
580-29313-A-13	TCLP-128	1311, 3010A, 6010B	P	100.44 g	2000 mL	5.67 SU	1.99	20.9 Celsius	21.1 Celsius
580-29313-A-14	TCLP-129-A	1311, 3010A, 6010B	P	100.14 g	2000 mL	5.91 SU	1.90	20.9 Celsius	21.1 Celsius
580-29313-A-15	TCLP-129-B	1311, 3010A, 6010B	P	100.39 g	2000 mL	6.09 SU	2.22	20.9 Celsius	21.1 Celsius
580-29313-A-16	TCLP-131	1311, 3010A, 6010B	P	100.32 g	2000 mL	6.14 SU	2.08	20.9 Celsius	21.1 Celsius
580-29313-A-17	TCLP-132	1311, 3010A, 6010B	P	100.02 g	2000 mL	5.71 SU	2.21	20.9 Celsius	21.1 Celsius
580-29313-A-18	TCLP-138	1311, 3010A, 6010B	P	100.04 g	2000 mL	5.81 SU	2.64	20.9 Celsius	21.1 Celsius

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid	AnalysisComment
MB 580-98076/1		1311, 3010A, 6010B		4.88 SU	100 %	1	FILTERED WITH LOT#4631998
580-29313-A-1	TCLP-103	1311, 3010A, 6010B	P	4.17 SU	100 %	1	FILTERED WITH LOT#4631998
580-29313-A-3	TCLP-106	1311, 3010A, 6010B	P	4.99 SU	100 %	1	FILTERED WITH LOT#4631998

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98076 Batch Start Date: 10/19/11 13:15 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 10/25/11 11:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid	AnalysisComment		
580-29313-A-4	TCLP-115	1311, 3010A, 6010B	P	4.96 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-5	TCLP-116	1311, 3010A, 6010B	P	4.94 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-6	TCLP-117	1311, 3010A, 6010B	P	4.97 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-7	TCLP-118	1311, 3010A, 6010B	P	4.90 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-8	TCLP-119	1311, 3010A, 6010B	P	4.94 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-9	TCLP-120	1311, 3010A, 6010B	P	4.96 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-10	TCLP-121	1311, 3010A, 6010B	P	4.92 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-11	TCLP-122	1311, 3010A, 6010B	P	4.94 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-12	TCLP-127	1311, 3010A, 6010B	P	4.87 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-13	TCLP-128	1311, 3010A, 6010B	P	4.89 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-14	TCLP-129-A	1311, 3010A, 6010B	P	4.95 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-15	TCLP-129-B	1311, 3010A, 6010B	P	4.92 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-16	TCLP-131	1311, 3010A, 6010B	P	4.98 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-17	TCLP-132	1311, 3010A, 6010B	P	4.92 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-18	TCLP-138	1311, 3010A, 6010B	P	4.97 SU	100 %	1	FILTERED WITH LOT#4631998		

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98076 Batch Start Date: 10/19/11 13:15 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 10/25/11 11:30

Batch Notes	
Balance ID	SEA212
Batch Comment	FILTERED WITH LOT#4631998
First End time	10/20/11 @ 1315
Hot Plate ID	SP73235
pH Meter ID	03
Room Temperature during Rotation	20.9 Degrees C
First Start time	10/19/11 @ 1515
TCLP Fluid 1 ID	807090
Temperature	20.9
Tumbler Rotations per Minute	31
Uncorrected Final Room Temperature	21.4 Celsius
Uncorrected Initial Room Temperature	20.9 Celsius
Uncorrected Room Temperature	20.9 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98088 Batch Start Date: 10/19/11 13:44 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 10/25/11 11:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_InitialpH	EFD_AddHClpH>5	InitialRoomTemp	FinalRoomTemp
MB 580-98088/1		1311, 3010A, 6010B		100.00 g	2000 mL	4.88 SU		20.9 Celsius	21.4 Celsius
580-29313-A-19	TCLP-139	1311, 3010A, 6010B	P	100.06 g	2000 mL	6.95 SU	2.25	20.9 Celsius	21.4 Celsius
580-29313-A-20	TCLP-141	1311, 3010A, 6010B	P	100.32 g	2000 mL	5.89 SU	1.85	20.9 Celsius	21.4 Celsius
580-29313-A-21	TCLP-143	1311, 3010A, 6010B	P	100.18 g	2000 mL	5.76 SU	1.97	20.9 Celsius	21.4 Celsius
580-29313-A-22	TCLP-146	1311, 3010A, 6010B	P	100.05 g	2000 mL	6.19 SU	1.69	20.9 Celsius	21.4 Celsius

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid	AnalysisComment		
MB 580-98088/1		1311, 3010A, 6010B		4.88 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-19	TCLP-139	1311, 3010A, 6010B	P	5.00 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-20	TCLP-141	1311, 3010A, 6010B	P	4.89 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-21	TCLP-143	1311, 3010A, 6010B	P	4.91 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-22	TCLP-146	1311, 3010A, 6010B	P	4.97 SU	100 %	1	FILTERED WITH LOT#4631998		

Batch Notes	
Balance ID	SEA212
Batch Comment	FILTERED WITH LOT#4631998
First End time	10/20/11 @ 1315
Hot Plate ID	SP73235
pH Meter ID	03
Room Temperature during Rotation	20.9 Degrees C
First Start time	10/19/11 @ 1515
TCLP Fluid 1 ID	807090
Temperature	20.9
Tumbler Rotations per Minute	31
Uncorrected Final Room Temperature	21.4 Celsius
Uncorrected Initial Room Temperature	20.9 Celsius
Uncorrected Room Temperature	20.9 Celsius

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98088 Batch Start Date: 10/19/11 13:44 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 10/25/11 11:35

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98531 Batch Start Date: 10/25/11 12:09 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 10/26/11 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_InitialpH	EFD_AddHClpH>5	InitialRoomTemp	FinalRoomTemp
MB 580-98531/1		1311, 3010A, 6010B		100.00 g	2000 mL	4.88 SU		20.3 Celsius	20.4 Celsius
580-29313-A-2	TCLP-105	1311, 3010A, 6010B	P	100.11 g	2000 mL	5.74 SU	1.56	20.3 Celsius	20.4 Celsius
580-29313-A-23	TCLP-147	1311, 3010A, 6010B	P	100.39 g	2000 mL	6.32 SU	1.32	20.3 Celsius	20.4 Celsius
580-29313-A-24	TCLP-148	1311, 3010A, 6010B	P	100.35 g	2000 mL	6.32 SU	1.39	20.3 Celsius	20.4 Celsius
580-29313-A-25	TCLP-149	1311, 3010A, 6010B	P	100.14 g	2000 mL	6.22 SU	1.53	20.3 Celsius	20.4 Celsius
580-29313-A-26	TCLP-150	1311, 3010A, 6010B	P	100.44 g	2000 mL	6.33 SU	1.55	20.3 Celsius	20.4 Celsius

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid	AnalysisComment		
MB 580-98531/1		1311, 3010A, 6010B		4.88 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-2	TCLP-105	1311, 3010A, 6010B	P	4.95 SU	100 %	1			
580-29313-A-23	TCLP-147	1311, 3010A, 6010B	P	5.02 SU	100 %	1			
580-29313-A-24	TCLP-148	1311, 3010A, 6010B	P	4.96 SU	100 %	1			
580-29313-A-25	TCLP-149	1311, 3010A, 6010B	P	4.93 SU	100 %	1			
580-29313-A-26	TCLP-150	1311, 3010A, 6010B	P	5.04 SU	100 %	1			

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98531 Batch Start Date: 10/25/11 12:09 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 10/26/11 15:00

Batch Notes	
Balance ID	SEA212
Batch Comment	FILTERED WITH LOT#4631998
First End time	10/26/11 @ 1230
Hot Plate ID	SP73235
pH Meter ID	03
Room Temperature during Rotation	20.3 Degrees C
First Start time	10/25/11 @ 1630
TCLP Fluid 1 ID	807090
Temperature	20.3
Tumbler Rotations per Minute	31
Uncorrected Final Room Temperature	20.4 Celsius
Uncorrected Initial Room Temperature	20.3 Celsius
Uncorrected Room Temperature	20.3 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98533 Batch Start Date: 10/25/11 12:15 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 10/26/11 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_InitialpH	EFD_AddHClpH>5	InitialRoomTemp	FinalRoomTemp
MB 580-98533/1		1311, 3010A, 6010B		100.00 g	2000 mL	4.88 SU		20.3 Celsius	20.4 Celsius
580-29313-A-27	TCLP-151	1311, 3010A, 6010B	P	100.39 g	2000 mL	7.58 SU	1.41	20.3 Celsius	20.4 Celsius
580-29313-A-28	TCLP-154	1311, 3010A, 6010B	P	77.53 g	1550 mL	6.72 SU	1.37	20.3 Celsius	20.4 Celsius
580-29313-A-29	TCLP-155	1311, 3010A, 6010B	P	100.02 g	2000 mL	6.65 SU	1.44	20.3 Celsius	20.4 Celsius
580-29313-A-30	TCLP-156	1311, 3010A, 6010B	P	100.13 g	2000 mL	6.78 SU	1.49	20.3 Celsius	20.4 Celsius

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid	AnalysisComment		
MB 580-98533/1		1311, 3010A, 6010B		4.88 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-27	TCLP-151	1311, 3010A, 6010B	P	5.01 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-28	TCLP-154	1311, 3010A, 6010B	P	4.92 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-29	TCLP-155	1311, 3010A, 6010B	P	5.15 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-30	TCLP-156	1311, 3010A, 6010B	P	5.10 SU	100 %	1	FILTERED WITH LOT#4631998		

Batch Notes	
Balance ID	SEA212
Batch Comment	FILTERED WITH LOT#4631998
First End time	10/26/11 @ 1230
Hot Plate ID	SP73235
pH Meter ID	03
Room Temperature during Rotation	20.3 Degrees C
First Start time	10/25/11 @ 1630
TCLP Fluid 1 ID	807090
Temperature	20.3
Tumbler Rotations per Minute	31
Uncorrected Final Room Temperature	20.4 Celsius
Uncorrected Initial Room Temperature	20.3 Celsius
Uncorrected Room Temperature	20.3 Celsius

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98533 Batch Start Date: 10/25/11 12:15 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 10/26/11 15:00

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98565 Batch Start Date: 10/25/11 16:06 Batch Analyst: Boardway, Peter A

Batch Method: 3010A Batch End Date: 10/25/11 20:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	m-GPS-1 00021	m-GPS-2 00018	m-GPS-3 00018	m-GPS-4 00020
580-29313-A-1-A	TCLP-103	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-1-A DU	TCLP-103	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-1-A MS	TCLP-103	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-29313-A-1-A MSD	TCLP-103	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-29313-A-3-A	TCLP-106	3010A, 6010B	P	5 mL	50 mL				
580-29313-A-4-A	TCLP-115	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-5-A	TCLP-116	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-6-A	TCLP-117	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-7-A	TCLP-118	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-8-A	TCLP-119	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-9-A	TCLP-120	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-10- A	TCLP-121	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-11- A	TCLP-122	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-12- A	TCLP-127	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-13- A	TCLP-128	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-14- A	TCLP-129-A	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-15- A	TCLP-129-B	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-16- A	TCLP-131	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-17- A	TCLP-132	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-18- A	TCLP-138	3010A, 6010B	P	50 mL	50 mL				
MB 580-98076/1-A		3010A, 6010B		50 mL	50 mL				
LCS 580-98565/23		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCSD 580-98565/24		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCSSRM 580-98565/25		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98565 Batch Start Date: 10/25/11 16:06 Batch Analyst: Boardway, Peter A

Batch Method: 3010A Batch End Date: 10/25/11 20:00

Batch Notes	
Lot # of hydrochloric acid	609996
Lot # of Nitric Acid	782155
Hot Block ID number	38010
Oven, Bath or Block Temperature 1	93.5 CORRECTED-TEMP Degrees C
Pipette ID	20051014
ID number of the thermometer	15-041-1A-A
Digestion Tube/Cup Lot #	811835
Uncorrected Temperature	95 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98580 Batch Start Date: 10/25/11 16:00 Batch Analyst: Boardway, Peter A

Batch Method: 3010A Batch End Date: 10/25/11 20:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	m-GPS-1 00021	m-GPS-2 00018	m-GPS-3 00018	m-GPS-4 00020
580-29313-A-19-A	TCLP-139	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-19-A DU	TCLP-139	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-19-A MS	TCLP-139	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-29313-A-19-A MSD	TCLP-139	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-29313-A-20-A	TCLP-141	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-21-A	TCLP-143	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-22-A	TCLP-146	3010A, 6010B	P	50 mL	50 mL				
MB 580-98088/1-A		3010A, 6010B		50 mL	50 mL				
LCS 580-98580/9		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCSD 580-98580/10		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCSSRM 580-98580/11		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL

Batch Notes	
Lot # of hydrochloric acid	609996
Lot # of Nitric Acid	782155
Hot Block ID number	38009
Oven, Bath or Block Temperature 1	93.5 CORRECTED-TEMP Degrees C
Pipette ID	20051014
ID number of the thermometer	15-041-1A-A
Digestion Tube/Cup Lot #	811835
Uncorrected Temperature	95 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98675 Batch Start Date: 10/26/11 15:14 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 10/27/11 13:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_InitialpH	EFD_AddHClpH>5	InitialRoomTemp	FinalRoomTemp
MB 580-98675/1		1311, 3010A, 6010B		100.00 g	2000 mL	4.88 SU		19.8 Celsius	19.8 Celsius
580-29313-A-31	TCLP-158	1311, 3010A, 6010B	P	100.28 g	2000 mL	6.38 SU	1.39	19.8 Celsius	19.8 Celsius

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid	AnalysisComment		
MB 580-98675/1		1311, 3010A, 6010B		4.88 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-31	TCLP-158	1311, 3010A, 6010B	P	4.98 SU	100 %	1	FILTERED WITH LOT#4631998		

Batch Notes	
Balance ID	sea212
Batch Comment	FILTERED WITH LOT#4631998
First End time	10/27/11 @ 1310
Hot Plate ID	SP73235
pH Meter ID	03
Room Temperature during Rotation	19.8 Degrees C
First Start time	10/26/11 @ 1810
TCLP Fluid 1 ID	807090
Temperature	19.8
Tumbler Rotations per Minute	31
Uncorrected Final Room Temperature	19.8 Celsius
Uncorrected Initial Room Temperature	19.8 Celsius
Uncorrected Room Temperature	19.8 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98688 Batch Start Date: 10/26/11 16:00 Batch Analyst: Boardway, Peter A

Batch Method: 3010A Batch End Date: 10/26/11 20:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	m-GPS-1 00021	m-GPS-2 00018	m-GPS-3 00018	m-GPS-4 00020
580-29313-A-23-A	TCLP-147	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-23-A DU	TCLP-147	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-23-A MS	TCLP-147	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-29313-A-23-A MSD	TCLP-147	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-29313-A-2-A	TCLP-105	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-24-A	TCLP-148	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-25-A	TCLP-149	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-26-A	TCLP-150	3010A, 6010B	P	50 mL	50 mL				
MB 580-98531/1-A		3010A, 6010B		50 mL	50 mL				
LCS 580-98688/24		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCSD 580-98688/25		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCSSRM 580-98688/26		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL

Batch Notes	
Lot # of hydrochloric acid	609996
Lot # of Nitric Acid	782155
Hot Block ID number	38010
Oven, Bath or Block Temperature 1	93.5 CORRECTED-TEMP Degrees C
Pipette ID	20051014
ID number of the thermometer	15-041-1A-A
Digestion Tube/Cup Lot #	811835
Uncorrected Temperature	95 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98695 Batch Start Date: 10/26/11 18:00 Batch Analyst: Boardway, Peter A

Batch Method: 3010A Batch End Date: 10/27/11 09:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	m-GPS-1 00021	m-GPS-2 00018	m-GPS-3 00018	m-GPS-4 00020
580-29313-A-27-A	TCLP-151	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-27-A DU	TCLP-151	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-27-A MS	TCLP-151	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-29313-A-27-A MSD	TCLP-151	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-29313-A-28-A	TCLP-154	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-29-A	TCLP-155	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-30-A	TCLP-156	3010A, 6010B	P	50 mL	50 mL				
MB 580-98533/1-A		3010A, 6010B		50 mL	50 mL				
LCS 580-98695/11		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCSD 580-98695/12		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCSSRM 580-98695/13		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL

Batch Notes	
Lot # of hydrochloric acid	609996
Lot # of Nitric Acid	782155
Hot Block ID number	38010
Oven, Bath or Block Temperature 1	93.5 CORRECTED-TEMP Degrees C
Pipette ID	20051014
ID number of the thermometer	15-041-1A-A
Digestion Tube/Cup Lot #	811835
Uncorrected Temperature	95 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98814 Batch Start Date: 10/27/11 15:34 Batch Analyst: Boardway, Peter A

Batch Method: 3010A Batch End Date: 10/27/11 19:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	m-GPS-1 00021	m-GPS-2 00018	m-GPS-3 00018	m-GPS-4 00020
580-29313-A-31-A	TCLP-158	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-31-A DU	TCLP-158	3010A, 6010B	P	50 mL	50 mL				
580-29313-A-31-A MS	TCLP-158	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-29313-A-31-A MSD	TCLP-158	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
MB 580-98675/1-A		3010A, 6010B		50 mL	50 mL				
LCS 580-98814/24		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCS 580-98814/25		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCSSRM 580-98814/26		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL

Batch Notes	
Lot # of hydrochloric acid	609996
Lot # of Nitric Acid	782155
Hot Block ID number	38010
Oven, Bath or Block Temperature 1	93.5 CORRECTED-TEMP Degrees C
Pipette ID	20051014
ID number of the thermometer	15-041-1A-A
Digestion Tube/Cup Lot #	811835
Uncorrected Temperature	95 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98076 Batch Start Date: 10/19/11 13:15 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 10/25/11 11:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_InitialpH	EFD_AddHClpH>5	InitialRoomTemp	FinalRoomTemp
580-29313-A-1	TCLP-103	1311, 7470A, 7470A	P	100.40 g	2000 mL	6.65 SU	1.92	20.9 Celsius	21.1 Celsius
580-29313-A-3	TCLP-106	1311, 7470A, 7470A	P	100.41 g	2000 mL	6.30 SU	1.79	20.9 Celsius	21.1 Celsius
580-29313-A-4	TCLP-115	1311, 7470A, 7470A	P	100.35 g	2000 mL	6.15 SU	1.83	20.9 Celsius	21.1 Celsius
580-29313-A-5	TCLP-116	1311, 7470A, 7470A	P	100.23 g	2000 mL	6.18 SU	1.96	20.9 Celsius	21.1 Celsius
580-29313-A-6	TCLP-117	1311, 7470A, 7470A	P	100.32 g	2000 mL	6.36 SU	1.92	20.9 Celsius	21.1 Celsius
580-29313-A-7	TCLP-118	1311, 7470A, 7470A	P	100.24 g	2000 mL	5.75 SU	1.88	20.9 Celsius	21.1 Celsius
580-29313-A-8	TCLP-119	1311, 7470A, 7470A	P	100.02 g	2000 mL	6.32 SU	1.85	20.9 Celsius	21.1 Celsius
580-29313-A-9	TCLP-120	1311, 7470A, 7470A	P	100.27 g	2000 mL	7.38 SU	1.98	20.9 Celsius	21.1 Celsius
580-29313-A-10	TCLP-121	1311, 7470A, 7470A	P	100.29 g	2000 mL	6.85 SU	2.41	20.9 Celsius	21.1 Celsius
580-29313-A-11	TCLP-122	1311, 7470A, 7470A	P	100.00 g	2000 mL	6.72 SU	1.83	20.9 Celsius	21.1 Celsius
580-29313-A-12	TCLP-127	1311, 7470A, 7470A	P	100.16 g	2000 mL	6.46 SU	2.06	20.9 Celsius	21.1 Celsius
580-29313-A-13	TCLP-128	1311, 7470A, 7470A	P	100.44 g	2000 mL	5.67 SU	1.99	20.9 Celsius	21.1 Celsius
580-29313-A-14	TCLP-129-A	1311, 7470A, 7470A	P	100.14 g	2000 mL	5.91 SU	1.90	20.9 Celsius	21.1 Celsius
580-29313-A-15	TCLP-129-B	1311, 7470A, 7470A	P	100.39 g	2000 mL	6.09 SU	2.22	20.9 Celsius	21.1 Celsius
580-29313-A-16	TCLP-131	1311, 7470A, 7470A	P	100.32 g	2000 mL	6.14 SU	2.08	20.9 Celsius	21.1 Celsius
580-29313-A-17	TCLP-132	1311, 7470A, 7470A	P	100.02 g	2000 mL	5.71 SU	2.21	20.9 Celsius	21.1 Celsius
580-29313-A-18	TCLP-138	1311, 7470A, 7470A	P	100.04 g	2000 mL	5.81 SU	2.64	20.9 Celsius	21.1 Celsius

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid	AnalysisComment		
580-29313-A-1	TCLP-103	1311, 7470A, 7470A	P	4.17 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-3	TCLP-106	1311, 7470A, 7470A	P	4.99 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-4	TCLP-115	1311, 7470A, 7470A	P	4.96 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-5	TCLP-116	1311, 7470A, 7470A	P	4.94 SU	100 %	1	FILTERED WITH LOT#4631998		

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98076 Batch Start Date: 10/19/11 13:15 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 10/25/11 11:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid	AnalysisComment		
580-29313-A-6	TCLP-117	1311, 7470A, 7470A	P	4.97 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-7	TCLP-118	1311, 7470A, 7470A	P	4.90 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-8	TCLP-119	1311, 7470A, 7470A	P	4.94 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-9	TCLP-120	1311, 7470A, 7470A	P	4.96 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-10	TCLP-121	1311, 7470A, 7470A	P	4.92 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-11	TCLP-122	1311, 7470A, 7470A	P	4.94 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-12	TCLP-127	1311, 7470A, 7470A	P	4.87 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-13	TCLP-128	1311, 7470A, 7470A	P	4.89 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-14	TCLP-129-A	1311, 7470A, 7470A	P	4.95 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-15	TCLP-129-B	1311, 7470A, 7470A	P	4.92 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-16	TCLP-131	1311, 7470A, 7470A	P	4.98 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-17	TCLP-132	1311, 7470A, 7470A	P	4.92 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-18	TCLP-138	1311, 7470A, 7470A	P	4.97 SU	100 %	1	FILTERED WITH LOT#4631998		

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98076 Batch Start Date: 10/19/11 13:15 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 10/25/11 11:30

Batch Notes	
Balance ID	SEA212
Batch Comment	FILTERED WITH LOT#4631998
First End time	10/20/11 @ 1315
Hot Plate ID	SP73235
pH Meter ID	03
Room Temperature during Rotation	20.9 Degrees C
First Start time	10/19/11 @ 1515
TCLP Fluid 1 ID	807090
Temperature	20.9
Tumbler Rotations per Minute	31
Uncorrected Final Room Temperature	21.4 Celsius
Uncorrected Initial Room Temperature	20.9 Celsius
Uncorrected Room Temperature	20.9 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98088 Batch Start Date: 10/19/11 13:44 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 10/25/11 11:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_InitialpH	EFD_AddHClpH>5	InitialRoomTemp	FinalRoomTemp
580-29313-A-19	TCLP-139	1311, 7470A, 7470A	P	100.06 g	2000 mL	6.95 SU	2.25	20.9 Celsius	21.4 Celsius
580-29313-A-20	TCLP-141	1311, 7470A, 7470A	P	100.32 g	2000 mL	5.89 SU	1.85	20.9 Celsius	21.4 Celsius
580-29313-A-21	TCLP-143	1311, 7470A, 7470A	P	100.18 g	2000 mL	5.76 SU	1.97	20.9 Celsius	21.4 Celsius
580-29313-A-22	TCLP-146	1311, 7470A, 7470A	P	100.05 g	2000 mL	6.19 SU	1.69	20.9 Celsius	21.4 Celsius

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid	AnalysisComment		
580-29313-A-19	TCLP-139	1311, 7470A, 7470A	P	5.00 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-20	TCLP-141	1311, 7470A, 7470A	P	4.89 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-21	TCLP-143	1311, 7470A, 7470A	P	4.91 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-22	TCLP-146	1311, 7470A, 7470A	P	4.97 SU	100 %	1	FILTERED WITH LOT#4631998		

Batch Notes	
Balance ID	SEA212
Batch Comment	FILTERED WITH LOT#4631998
First End time	10/20/11 @ 1315
Hot Plate ID	SP73235
pH Meter ID	03
Room Temperature during Rotation	20.9 Degrees C
First Start time	10/19/11 @ 1515
TCLP Fluid 1 ID	807090
Temperature	20.9
Tumbler Rotations per Minute	31
Uncorrected Final Room Temperature	21.4 Celsius
Uncorrected Initial Room Temperature	20.9 Celsius
Uncorrected Room Temperature	20.9 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98531 Batch Start Date: 10/25/11 12:09 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 10/26/11 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_InitialpH	EFD_AddHClpH>5	InitialRoomTemp	FinalRoomTemp
580-29313-A-2	TCLP-105	1311, 7470A, 7470A	P	100.11 g	2000 mL	5.74 SU	1.56	20.3 Celsius	20.4 Celsius
580-29313-A-23	TCLP-147	1311, 7470A, 7470A	P	100.39 g	2000 mL	6.32 SU	1.32	20.3 Celsius	20.4 Celsius
580-29313-A-24	TCLP-148	1311, 7470A, 7470A	P	100.35 g	2000 mL	6.32 SU	1.39	20.3 Celsius	20.4 Celsius
580-29313-A-25	TCLP-149	1311, 7470A, 7470A	P	100.14 g	2000 mL	6.22 SU	1.53	20.3 Celsius	20.4 Celsius
580-29313-A-26	TCLP-150	1311, 7470A, 7470A	P	100.44 g	2000 mL	6.33 SU	1.55	20.3 Celsius	20.4 Celsius

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid			
580-29313-A-2	TCLP-105	1311, 7470A, 7470A	P	4.95 SU	100 %	1			
580-29313-A-23	TCLP-147	1311, 7470A, 7470A	P	5.02 SU	100 %	1			
580-29313-A-24	TCLP-148	1311, 7470A, 7470A	P	4.96 SU	100 %	1			
580-29313-A-25	TCLP-149	1311, 7470A, 7470A	P	4.93 SU	100 %	1			
580-29313-A-26	TCLP-150	1311, 7470A, 7470A	P	5.04 SU	100 %	1			

Batch Notes	
Balance ID	SEA212
Batch Comment	FILTERED WITH LOT#4631998
First End time	10/26/11 @ 1230
Hot Plate ID	SP73235
pH Meter ID	03
Room Temperature during Rotation	20.3 Degrees C
First Start time	10/25/11 @ 1630
TCLP Fluid 1 ID	807090
Temperature	20.3
Tumbler Rotations per Minute	31
Uncorrected Final Room Temperature	20.4 Celsius
Uncorrected Initial Room Temperature	20.3 Celsius
Uncorrected Room Temperature	20.3 Celsius

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98531 Batch Start Date: 10/25/11 12:09 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 10/26/11 15:00

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98533 Batch Start Date: 10/25/11 12:15 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 10/26/11 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_InitialpH	EFD_AddHClpH>5	InitialRoomTemp	FinalRoomTemp
580-29313-A-27	TCLP-151	1311, 7470A, 7470A	P	100.39 g	2000 mL	7.58 SU	1.41	20.3 Celsius	20.4 Celsius
580-29313-A-28	TCLP-154	1311, 7470A, 7470A	P	77.53 g	1550 mL	6.72 SU	1.37	20.3 Celsius	20.4 Celsius
580-29313-A-29	TCLP-155	1311, 7470A, 7470A	P	100.02 g	2000 mL	6.65 SU	1.44	20.3 Celsius	20.4 Celsius
580-29313-A-30	TCLP-156	1311, 7470A, 7470A	P	100.13 g	2000 mL	6.78 SU	1.49	20.3 Celsius	20.4 Celsius

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid	AnalysisComment		
580-29313-A-27	TCLP-151	1311, 7470A, 7470A	P	5.01 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-28	TCLP-154	1311, 7470A, 7470A	P	4.92 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-29	TCLP-155	1311, 7470A, 7470A	P	5.15 SU	100 %	1	FILTERED WITH LOT#4631998		
580-29313-A-30	TCLP-156	1311, 7470A, 7470A	P	5.10 SU	100 %	1	FILTERED WITH LOT#4631998		

Batch Notes	
Balance ID	SEA212
Batch Comment	FILTERED WITH LOT#4631998
First End time	10/26/11 @ 1230
Hot Plate ID	SP73235
pH Meter ID	03
Room Temperature during Rotation	20.3 Degrees C
First Start time	10/25/11 @ 1630
TCLP Fluid 1 ID	807090
Temperature	20.3
Tumbler Rotations per Minute	31
Uncorrected Final Room Temperature	20.4 Celsius
Uncorrected Initial Room Temperature	20.3 Celsius
Uncorrected Room Temperature	20.3 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98567 Batch Start Date: 10/25/11 16:11 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 10/26/11 09:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_CAL_WORK 00009			
580-29313-A-1-A	TCLP-103	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-1-A DU	TCLP-103	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-1-A MS	TCLP-103	7470A, 7470A	P	5 mL	50 mL	1 mL			
580-29313-A-1-A MSD	TCLP-103	7470A, 7470A	P	5 mL	50 mL	1 mL			
580-29313-A-3-A	TCLP-106	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-4-A	TCLP-115	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-5-A	TCLP-116	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-6-A	TCLP-117	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-7-A	TCLP-118	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-8-A	TCLP-119	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-9-A	TCLP-120	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-10- A	TCLP-121	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-11- A	TCLP-122	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-12- A	TCLP-127	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-13- A	TCLP-128	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-14- A	TCLP-129-A	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-15- A	TCLP-129-B	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-16- A	TCLP-131	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-17- A	TCLP-132	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-18- A	TCLP-138	7470A, 7470A	P	5 mL	50 mL				
MB 580-98567/22		7470A, 7470A		5 mL	50 mL				
LCS 580-98567/23		7470A, 7470A		5 mL	50 mL	1 mL			
LCS 580-98567/24		7470A, 7470A		5 mL	50 mL	1 mL			
LCS 580-98567/25		7470A, 7470A		5 mL	50 mL	1 mL			

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98567 Batch Start Date: 10/25/11 16:11 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 10/26/11 09:00

Batch Notes	
Hydroxylamine Hydrochloride Lot	790508
Lot # of hydrochloric acid	609996
Lot # of Nitric Acid	782155
Hot Block ID number	38010
Potassium Persulfate Lot Number	782098
Potassium Permanganate Lot Number	654649
NaCL Lot #	654642
Oven, Bath or Block Temperature 1	93.5 CORRECTED-TEMP Degrees C
Stannous Chloride Lot Number	790550
ID number of the thermometer	15-041-1A-A
Digestion Tube/Cup Lot #	811835
Uncorrected Temperature	95 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98582 Batch Start Date: 10/25/11 17:04 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 10/26/11 09:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_CAL_WORK 00009			
580-29313-A-19-A	TCLP-139	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-19-A DU	TCLP-139	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-19-A MS	TCLP-139	7470A, 7470A	P	5 mL	50 mL	1 mL			
580-29313-A-19-A MSD	TCLP-139	7470A, 7470A	P	5 mL	50 mL	1 mL			
580-29313-A-20-A	TCLP-141	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-21-A	TCLP-143	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-22-A	TCLP-146	7470A, 7470A	P	5 mL	50 mL				
MB 580-98582/8		7470A, 7470A		5 mL	50 mL				
LCS 580-98582/9		7470A, 7470A		5 mL	50 mL	1 mL			
LCSD 580-98582/10		7470A, 7470A		5 mL	50 mL	1 mL			
LCSSRM 580-98582/11		7470A, 7470A		5 mL	50 mL	1 mL			

Batch Notes	
Hydroxylamine Hydrochloride Lot	790508
Lot # of hydrochloric acid	609996
Lot # of Nitric Acid	782155
Hot Block ID number	38009
Potassium Persulfate Lot Number	782098
Potassium Permanganate Lot Number	654649
NaCl Lot #	654642
Oven, Bath or Block Temperature 1	93.5 CORRECTED-TEMP Degrees C
Stannous Chloride Lot Number	790550
ID number of the thermometer	15-041-1A-A
Digestion Tube/Cup Lot #	811835
Uncorrected Temperature	95 Celsius

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98582 Batch Start Date: 10/25/11 17:04 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 10/26/11 09:00

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98675 Batch Start Date: 10/26/11 15:14 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 10/27/11 13:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_InitialpH	EFD_AddHClpH>5	InitialRoomTemp	FinalRoomTemp
580-29313-A-31	TCLP-158	1311, 7470A, 7470A	P	100.28 g	2000 mL	6.38 SU	1.39	19.8 Celsius	19.8 Celsius

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid	AnalysisComment		
580-29313-A-31	TCLP-158	1311, 7470A, 7470A	P	4.98 SU	100 %	1	FILTERED WITH LOT#4631998		

Batch Notes	
Balance ID	sea212
Batch Comment	FILTERED WITH LOT#4631998
First End time	10/27/11 @ 1310
Hot Plate ID	SP73235
pH Meter ID	03
Room Temperature during Rotation	19.8 Degrees C
First Start time	10/26/11 @ 1810
TCLP Fluid 1 ID	807090
Temperature	19.8
Tumbler Rotations per Minute	31
Uncorrected Final Room Temperature	19.8 Celsius
Uncorrected Initial Room Temperature	19.8 Celsius
Uncorrected Room Temperature	19.8 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98690 Batch Start Date: 10/27/11 08:30 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 10/27/11 10:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_CAL_WORK 00009			
580-29313-A-23-A	TCLP-147	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-23-A DU	TCLP-147	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-23-A MS	TCLP-147	7470A, 7470A	P	5 mL	50 mL	1 mL			
580-29313-A-23-A MSD	TCLP-147	7470A, 7470A	P	5 mL	50 mL	1 mL			
580-29313-A-2-A	TCLP-105	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-24-A	TCLP-148	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-25-A	TCLP-149	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-26-A	TCLP-150	7470A, 7470A	P	5 mL	50 mL				
MB 580-98690/18		7470A, 7470A		5 mL	50 mL				
LCS 580-98690/19		7470A, 7470A		5 mL	50 mL	1 mL			
LCSD 580-98690/20		7470A, 7470A		5 mL	50 mL	1 mL			
LCSSRM 580-98690/21		7470A, 7470A		5 mL	50 mL	1 mL			

Batch Notes	
Hydroxylamine Hydrochloride Lot	790508
Lot # of hydrochloric acid	609996
Lot # of Nitric Acid	782155
Hot Block ID number	38010
Potassium Persulfate Lot Number	782098
Potassium Permanganate Lot Number	654649
NaCL Lot #	654642
Oven, Bath or Block Temperature 1	93.5 CORRECTED-TEMP Degrees C
Stannous Chloride Lot Number	790550
ID number of the thermometer	15-041-1A-A
Digestion Tube/Cup Lot #	811835
Uncorrected Temperature	95 Celsius

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98690 Batch Start Date: 10/27/11 08:30 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 10/27/11 10:30

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98696 Batch Start Date: 10/27/11 08:30 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 10/27/11 10:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_CAL_WORK 00009			
580-29313-A-27-A	TCLP-151	7470A, 7470A	P	50 mL	50 mL				
580-29313-A-27-A DU	TCLP-151	7470A, 7470A	P	50 mL	50 mL				
580-29313-A-27-A MS	TCLP-151	7470A, 7470A	P	50 mL	50 mL	1 mL			
580-29313-A-27-A MSD	TCLP-151	7470A, 7470A	P	50 mL	50 mL	1 mL			
580-29313-A-28-A	TCLP-154	7470A, 7470A	P	50 mL	50 mL				
580-29313-A-29-A	TCLP-155	7470A, 7470A	P	50 mL	50 mL				
580-29313-A-30-A	TCLP-156	7470A, 7470A	P	50 mL	50 mL				
MB 580-98696/10		7470A, 7470A		50 mL	50 mL				
LCS 580-98696/11		7470A, 7470A		50 mL	50 mL	1 mL			
LCSD 580-98696/12		7470A, 7470A		50 mL	50 mL	1 mL			
LCSSRM 580-98696/13		7470A, 7470A		50 mL	50 mL	1 mL			

Batch Notes	
Hydroxylamine Hydrochloride Lot	790508
Lot # of hydrochloric acid	609996
Lot # of Nitric Acid	782155
Hot Block ID number	38010
Potassium Persulfate Lot Number	782098
Potassium Permanganate Lot Number	654649
NaCL Lot #	654642
Oven, Bath or Block Temperature 1	93.5 CORRECTED-TEMP Degrees C
Stannous Chloride Lot Number	790550
ID number of the thermometer	15-041-1A-A
Digestion Tube/Cup Lot #	811835
Uncorrected Temperature	95 Celsius

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98696 Batch Start Date: 10/27/11 08:30 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 10/27/11 10:30

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98816 Batch Start Date: 10/31/11 11:00 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 10/31/11 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_CAL_WORK 00009			
580-29313-A-31-A	TCLP-158	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-31-A DU	TCLP-158	7470A, 7470A	P	5 mL	50 mL				
580-29313-A-31-A MS	TCLP-158	7470A, 7470A	P	5 mL	50 mL	1 mL			
580-29313-A-31-A MSD	TCLP-158	7470A, 7470A	P	5 mL	50 mL	1 mL			
MB 580-98816/16		7470A, 7470A		5 mL	50 mL				
LCS 580-98816/17		7470A, 7470A		5 mL	50 mL	1 mL			
LCS 580-98816/18		7470A, 7470A		5 mL	50 mL	1 mL			
LCS 580-98816/19		7470A, 7470A		5 mL	50 mL	1 mL			

Batch Notes	
Hydroxylamine Hydrochloride Lot	790508
Lot # of hydrochloric acid	609996
Lot # of Nitric Acid	782155
Hot Block ID number	38010
Potassium Persulfate Lot Number	782098
Potassium Permanganate Lot Number	654649
NaCL Lot #	654642
Oven, Bath or Block Temperature 1	93.5 CORRECTED-TEMP Degrees C
Stannous Chloride Lot Number	790550
ID number of the thermometer	15-041-1A-A
Digestion Tube/Cup Lot #	811835
Uncorrected Temperature	95 Celsius

Basis	Basis Description
P	TCLP

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle

Job Number: 580-29313-1

SDG No.: _____

Project: Everett Smelter Uplands Area

Client Sample ID	Lab Sample ID
TCLP-103	580-29313-1
TCLP-105	580-29313-2
TCLP-106	580-29313-3
TCLP-115	580-29313-4
TCLP-116	580-29313-5
TCLP-117	580-29313-6
TCLP-118	580-29313-7
TCLP-119	580-29313-8
TCLP-120	580-29313-9
TCLP-121	580-29313-10
TCLP-122	580-29313-11
TCLP-127	580-29313-12
TCLP-128	580-29313-13
TCLP-129-A	580-29313-14
TCLP-129-B	580-29313-15
TCLP-131	580-29313-16
TCLP-132	580-29313-17
TCLP-138	580-29313-18
TCLP-139	580-29313-19
TCLP-141	580-29313-20
TCLP-143	580-29313-21
TCLP-146	580-29313-22
TCLP-147	580-29313-23
TCLP-148	580-29313-24
TCLP-149	580-29313-25
TCLP-150	580-29313-26
TCLP-151	580-29313-27
TCLP-154	580-29313-28
TCLP-155	580-29313-29
TCLP-156	580-29313-30
TCLP-158	580-29313-31

Comments:

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-103

Lab Sample ID: 580-29313-1

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:31

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	6.12			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-105

Lab Sample ID: 580-29313-2

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:32

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.73			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-106

Lab Sample ID: 580-29313-3

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:33

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.69			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-115

Lab Sample ID: 580-29313-4

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:28

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.93			SU			1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: TCLP-116

Lab Sample ID: 580-29313-5

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:27

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	6.11			SU			1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: TCLP-117

Lab Sample ID: 580-29313-6

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:25

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	6.09			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-118

Lab Sample ID: 580-29313-7

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:26

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.83			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-119

Lab Sample ID: 580-29313-8

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:23

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.76			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-120

Lab Sample ID: 580-29313-9

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:20

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.79			SU			1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: TCLP-121

Lab Sample ID: 580-29313-10

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:21

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	6.04			SU			1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: TCLP-122

Lab Sample ID: 580-29313-11

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:19

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.96			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-127

Lab Sample ID: 580-29313-12

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:17

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.86			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-128

Lab Sample ID: 580-29313-13

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:22

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.60			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-129-A Lab Sample ID: 580-29313-14

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid Date Sampled: 10/14/2011 13:55

Reporting Basis: WET Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.76			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-129-B

Lab Sample ID: 580-29313-15

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 13:58

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.59			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-131

Lab Sample ID: 580-29313-16

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:15

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.92			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-132

Lab Sample ID: 580-29313-17

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:16

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.38			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-138

Lab Sample ID: 580-29313-18

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:10

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.44			SU			1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: TCLP-139

Lab Sample ID: 580-29313-19

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:30

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	6.44			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-141

Lab Sample ID: 580-29313-20

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:08

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	6.10			SU			1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: TCLP-143

Lab Sample ID: 580-29313-21

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:00

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.75			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-146

Lab Sample ID: 580-29313-22

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:04

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.84			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-147

Lab Sample ID: 580-29313-23

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:05

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.97			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-148

Lab Sample ID: 580-29313-24

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 13:59

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	6.17			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-149

Lab Sample ID: 580-29313-25

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:02

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.99			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-150

Lab Sample ID: 580-29313-26

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:07

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	6.08			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-151

Lab Sample ID: 580-29313-27

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:18

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.98			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-154

Lab Sample ID: 580-29313-28

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 14:11

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	6.11			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-155

Lab Sample ID: 580-29313-29

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 13:51

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	6.18			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-156

Lab Sample ID: 580-29313-30

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/14/2011 13:50

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.80			SU			1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: TCLP-158

Lab Sample ID: 580-29313-31

Lab Name: TestAmerica Seattle

Job No.: 580-29313-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 10/17/2011 09:15

Reporting Basis: WET

Date Received: 10/17/2011 15:05

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.17			SU			1	9045C

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-29313-1
SDG No.: _____
Analyst: JP Batch Start Date: 10/19/2011
Reporting Units: SU Analytical Batch No.: 98125

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	17:32	pH	6.970					
22	CCV	17:32	pH	6.980					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-29313-1
SDG No.: _____
Analyst: JP Batch Start Date: 10/19/2011
Reporting Units: SU Analytical Batch No.: 98127

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	17:37	pH	6.990					
16	CCV	17:37	pH	6.980					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATE
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 98125		Date: 10/19/2011 17:32						
9045C	TCLP-103	580-29313-1	pH	6.12	SU			
9045C	TCLP-103	580-29313-1 DU	pH	6.090	SU	0.5		
Batch ID: 98127		Date: 10/19/2011 17:37						
9045C	TCLP-139	580-29313-19	pH	6.44	SU			
9045C	TCLP-139	580-29313-19 DU	pH	6.420	SU	0.3		

Calculations are performed before rounding to avoid round-off errors in calculated results.

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-29313-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 160.3 RL Date: 01/01/2005 13:13

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Instrument ID: NOEQUIP Method: 160.3

Start Date: 10/24/2011 13:47 End Date: 10/24/2011 13:47

Lab Sample ID	D / F	Type	Time	Analytes																
				% S o l	M o i s t															
ZZZZZZ			13:47																	
ZZZZZZ			13:47																	
ZZZZZZ			13:47																	
ZZZZZZ			13:47																	
ZZZZZZ			13:47																	
ZZZZZZ			13:47																	
ZZZZZZ			13:47																	
ZZZZZZ			13:47																	
ZZZZZZ			13:47																	
ZZZZZZ			13:47																	
ZZZZZZ			13:47																	
ZZZZZZ			13:47																	
ZZZZZZ			13:47																	
ZZZZZZ			13:47																	
580-29313-1	1	T	13:47	X	X															
580-29313-2	1	T	13:47	X	X															
580-29313-3	1	T	13:47	X	X															
580-29313-4	1	T	13:47	X	X															
580-29313-5	1	T	13:47	X	X															
580-29313-6	1	T	13:47	X	X															

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Instrument ID: NOEQUIP Method: 160.3

Start Date: 10/24/2011 14:30 End Date: 10/24/2011 14:30

Lab Sample ID	D / F	Type	Time	Analytes															
				% S o l	M o i s t														
580-29313-7	1	T	14:30	X	X														
580-29313-7 DU	1	T	14:30	X	X														
580-29313-8	1	T	14:30	X	X														
580-29313-9	1	T	14:30	X	X														
580-29313-10	1	T	14:30	X	X														
580-29313-11	1	T	14:30	X	X														
580-29313-12	1	T	14:30	X	X														
580-29313-13	1	T	14:30	X	X														
580-29313-14	1	T	14:30	X	X														
580-29313-15	1	T	14:30	X	X														
580-29313-16	1	T	14:30	X	X														
580-29313-17	1	T	14:30	X	X														
580-29313-18	1	T	14:30	X	X														
580-29313-19	1	T	14:30	X	X														
580-29313-20	1	T	14:30	X	X														
580-29313-21	1	T	14:30	X	X														
580-29313-22	1	T	14:30	X	X														
580-29313-23	1	T	14:30	X	X														
580-29313-24	1	T	14:30	X	X														
580-29313-25	1	T	14:30	X	X														
580-29313-26	1	T	14:30	X	X														

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Instrument ID: NOEQUIP Method: 160.3

Start Date: 10/24/2011 15:00 End Date: 10/24/2011 15:16

Lab Sample ID	D / F	T y p e	Time	Analytes															
				% S o l	M o i s t														
580-29313-27	1	T	15:00	X	X														
580-29313-27 DU	1	T	15:00	X	X														
580-29313-28	1	T	15:00	X	X														
580-29313-29	1	T	15:00	X	X														
580-29313-30	1	T	15:00	X	X														
580-29313-31	1	T	15:00	X	X														
ZZZZZZ			15:00																
ZZZZZZ			15:00																
ZZZZZZ			15:00																
ZZZZZZ			15:00																
ZZZZZZ			15:00																
ZZZZZZ			15:00																
ZZZZZZ			15:00																
ZZZZZZ			15:00																
ZZZZZZ			15:00																
ZZZZZZ			15:00																
ZZZZZZ			15:16																
ZZZZZZ			15:16																

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Instrument ID: NOEQUIP Method: 9045C

Start Date: 10/19/2011 17:32 End Date: 10/19/2011 17:32

Lab Sample ID	D / F	T y p e	Time	Analytes																
				P H																
ICV 580-98125/1	1		17:32	X																
580-29313-1	1	T	17:32	X																
580-29313-1 DU	1	T	17:32	X																
580-29313-2	1	T	17:32	X																
580-29313-3	1	T	17:32	X																
580-29313-4	1	T	17:32	X																
ZZZZZZ			17:32																	
580-29313-5	1	T	17:32	X																
580-29313-6	1	T	17:32	X																
580-29313-7	1	T	17:32	X																
580-29313-8	1	T	17:32	X																
580-29313-9	1	T	17:32	X																
580-29313-10	1	T	17:32	X																
580-29313-11	1	T	17:32	X																
580-29313-12	1	T	17:32	X																
580-29313-13	1	T	17:32	X																
580-29313-14	1	T	17:32	X																
580-29313-15	1	T	17:32	X																
580-29313-16	1	T	17:32	X																
580-29313-17	1	T	17:32	X																
580-29313-18	1	T	17:32	X																
CCV 580-98125/22	1		17:32	X																

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Instrument ID: NOEQUIP Method: 9045C

Start Date: 10/19/2011 17:37 End Date: 10/19/2011 17:37

Lab Sample ID	D / F	T y p e	Time	Analytes															
				P H															
ICV 580-98127/1	1		17:37	X															
580-29313-19	1	T	17:37	X															
580-29313-19 DU	1	T	17:37	X															
580-29313-20	1	T	17:37	X															
580-29313-21	1	T	17:37	X															
580-29313-22	1	T	17:37	X															
580-29313-23	1	T	17:37	X															
580-29313-24	1	T	17:37	X															
580-29313-25	1	T	17:37	X															
580-29313-26	1	T	17:37	X															
580-29313-27	1	T	17:37	X															
580-29313-28	1	T	17:37	X															
580-29313-29	1	T	17:37	X															
580-29313-30	1	T	17:37	X															
580-29313-31	1	T	17:37	X															
CCV 580-98127/16	1		17:37	X															

Prep Types
T = Total/NA

pH/Corrosivity

150.1 / 9040B / 9045C (circle one)

Analyst JP Date 10/19/11 Instrument ID pH2

Batch 98125 Start Time 11:30 End Time 17:00

Calibration

pH 4 Std.	TALS ID: <u>779178</u>	Slope =	<u>97.1</u>	Acceptance Criteria 92.0-105.0
pH 7 Std.	TALS ID: <u>750338</u>	Slope =	<u>94.1</u>	
pH 10 Std.	TALS ID: <u>750339</u>	Slope =	<u>91.8</u>	
For Orion 370 pH meter, please record Avg. Slope =				

High / Low check standards (Use when sample is outside calibration range)

True Value	Measured Value	±0.05 units	Reagent	Probe Maintenance	Performed by
2.00		Yes / No	Lot:	Probe Cleaned*	
11.00		Yes / No	Lot:	Check solution level daily-Add if required	

*Perform weekly on first day of use or as required.

pH(1) and pH(2) must agree within 0.1 pH units.

Sample	Sample ID	pH(1)	pH(2)	Result	Comments
ICV	pH7 Std. TALS ID:	<u>6.97</u>	<u>6.97</u>	<u>6.97</u>	(±0.05 units) Yes / No
1	<u>29313-A-1</u>	<u>6.14</u>	<u>6.12</u>	<u>6.12</u>	
2	<u>29313-A-1DU</u>	<u>6.10</u>	<u>6.09</u>	<u>6.09</u>	
3	<u>29313-A-2</u>	<u>5.74</u>	<u>5.73</u>	<u>5.73</u>	
4	<u>29313-A-3</u>	<u>5.69</u>	<u>5.69</u>	<u>5.69</u>	
5	<u>29313-A-4</u>	<u>5.90</u>	<u>5.93</u>	<u>5.93</u>	
6	<u>Ch2M Hill 29313-4</u>	<u>7.29</u>	<u>7.33</u>	<u>7.33</u>	
7	<u>29313-A-5</u>	<u>6.12</u>	<u>6.11</u>	<u>6.11</u>	
8	<u>29313-A-6</u>	<u>6.07</u>	<u>6.09</u>	<u>6.09</u>	
9	<u>29313-A-7</u>	<u>5.86</u>	<u>5.83</u>	<u>5.83</u>	
10	<u>29313-A-8</u>	<u>5.76</u>	<u>5.76</u>	<u>5.76</u>	
11	<u>29313-A-9</u>	<u>5.82</u>	<u>5.79</u>	<u>5.79</u>	
12	<u>29313-A-10</u>	<u>6.01</u>	<u>6.04</u>	<u>6.04</u>	
13	<u>29313-A-11</u>	<u>5.94</u>	<u>5.96</u>	<u>5.96</u>	
14	<u>29313-A-12</u>	<u>5.88</u>	<u>5.86</u>	<u>5.86</u>	
15	<u>29313-A-13</u>	<u>5.57</u>	<u>5.60</u>	<u>5.60</u>	
16	<u>29313-A-14</u>	<u>5.74</u>	<u>5.76</u>	<u>5.76</u>	
17	<u>29313-A-15</u>	<u>5.62</u>	<u>5.59</u>	<u>5.59</u>	
18	<u>29313-A-16</u>	<u>5.94</u>	<u>5.92</u>	<u>5.92</u>	
19	<u>29313-A-17</u>	<u>5.41</u>	<u>5.38</u>	<u>5.38</u>	
20	<u>29313-A-18</u>	<u>5.48</u>	<u>5.44</u>	<u>5.44</u>	
Closing CCV	pH7 Std. TALS ID:	<u>6.97</u>	<u>6.98</u>	<u>6.98</u>	(±0.05 units) Yes / No

Duplicate	Sample ID	pH(1)	pH(2)	Result	(±0.1 units) Yes / No

Reviewer's Initials and Date

pH/Corrosivity

150.1 / 9040B / 9045C (circle one)

Analyst JP Date 10/19/11 Instrument ID PHZ
 Batch 98127 Start Time 17:10 End Time 17:35

Calibration

pH 4 Std. TALS ID: <u>779178</u>	Slope = <u>97.1</u>	Acceptance Criteria 92.0-105.0
pH 7 Std. TALS ID: <u>776339</u>	Slope = <u>94.1</u>	
pH 10 Std. TALS ID: <u>776338</u>	Slope = <u>91.8</u>	
For Orion 370 pH meter, please record Avg. Slope =		

High / Low check standards (Use when sample is outside calibration range)

True Value	Measured Value	±0.05 units	Reagent	Probe Maintenance	Performed by
2.00		Yes / No	Lot:	Probe Cleaned*	
11.00		Yes / No	Lot:	Check solution level daily-Add if required	

*Perform weekly on first day of use or as required.

pH(1) and pH(2) must agree within 0.1 pH units.

10/19/11

Sample	Sample ID	pH(1)	pH(2)	Result	Comments
ICV	pH7 Std. TALS ID:	<u>6.98</u>	<u>6.99</u>	<u>6.99</u>	(±0.05 units) Yes / No
1	<u>29313-A-19</u>	<u>6.35</u>	<u>6.45</u>	<u>6.44</u>	<u>6.44</u>
2	<u>29313-A-19D</u>	<u>6.44</u>	<u>6.42</u>	<u>6.42</u>	
3	<u>29313-A-20</u>	<u>6.11</u>	<u>6.10</u>	<u>6.10</u>	
4	<u>29313-A-21</u>	<u>5.74</u>	<u>5.75</u>	<u>5.75</u>	
5	<u>29313-A-22</u>	<u>5.81</u>	<u>5.84</u>	<u>5.84</u>	
6	<u>29313-A-23</u>	<u>5.96</u>	<u>5.97</u>	<u>5.97</u>	
7	<u>29313-A-24</u>	<u>6.16</u>	<u>6.17</u>	<u>6.17</u>	
8	<u>29313-A-25</u>	<u>6.00</u>	<u>5.99</u>	<u>5.99</u>	
9	<u>29313-A-26</u>	<u>6.08</u>	<u>6.08</u>	<u>6.08</u>	
10	<u>29313-A-27</u>	<u>5.99</u>	<u>5.98</u>	<u>5.98</u>	
11	<u>29313-A-28</u>	<u>6.11</u>	<u>6.11</u>	<u>6.11</u>	
12	<u>29313-A-29</u>	<u>6.20</u>	<u>6.18</u>	<u>6.18</u>	
13	<u>29313-A-30</u>	<u>5.82</u>	<u>5.80</u>	<u>5.80</u>	
14	<u>29313-A-31</u>	<u>5.15</u>	<u>5.17</u>	<u>5.17</u>	
15					
16					
17					
18					
19					
20					
Closing CCV	pH7 Std. TALS ID:	<u>6.98</u>	<u>6.98</u>	<u>6.98</u>	(±0.05 units) Yes / No

Duplicate	Sample ID	pH(1)	pH(2)	Result	(±0.1 units) Yes / No

Reviewer's Initials and Date

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98436 Batch Start Date: 10/24/11 13:47 Batch Analyst: DeMonnin, Robert

Batch Method: 160.3 Batch End Date: 10/25/11 08:17

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-29313-A-1	TCLP-103	160.3	T	0.7557 g	7.7681 g	6.7220 g			
580-29313-A-2	TCLP-105	160.3	T	0.7649 g	5.3376 g	4.5513 g			
580-29313-A-3	TCLP-106	160.3	T	0.7673 g	6.3312 g	5.1007 g			
580-29313-A-4	TCLP-115	160.3	T	0.7791 g	8.9063 g	7.3227 g			
580-29313-A-5	TCLP-116	160.3	T	0.7766 g	7.3849 g	5.9784 g			
580-29313-A-6	TCLP-117	160.3	T	0.7829 g	7.9234 g	6.3423 g			

Batch Notes	
Balance ID	sea218 No Unit
Date samples were placed in the oven	10-24-11
Oven Temp when samples are put in oven	109 Degrees C
Time samples were place in the oven	14:24
Date samples were removed from oven	10-25-11
Oven Temp when samples removed from oven	110 Degrees C
Time Samples were removed from oven	8:12
Oven ID	tac306
ID number of the thermometer	3a4823
Uncorrected In Temperature	109 Celsius
Uncorrected Out Temperature	110 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98443 Batch Start Date: 10/24/11 14:30 Batch Analyst: DeMonnin, Robert

Batch Method: 160.3 Batch End Date: 10/25/11 08:26

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-29313-A-7	TCLP-118	160.3	T	0.7585 g	6.0838 g	4.9488 g			
580-29313-A-7 DU	TCLP-118	160.3	T	0.7626 g	7.3069 g	5.9368 g			
580-29313-A-8	TCLP-119	160.3	T	0.8072 g	7.3024 g	6.1932 g			
580-29313-A-9	TCLP-120	160.3	T	0.8040 g	7.9683 g	6.5730 g			
580-29313-A-10	TCLP-121	160.3	T	0.7623 g	7.6419 g	6.4136 g			
580-29313-A-11	TCLP-122	160.3	T	0.7657 g	6.5646 g	5.5351 g			
580-29313-A-12	TCLP-127	160.3	T	0.7563 g	7.0666 g	5.9081 g			
580-29313-A-13	TCLP-128	160.3	T	0.7650 g	7.2783 g	5.8482 g			
580-29313-A-14	TCLP-129-A	160.3	T	0.7561 g	7.8416 g	6.5917 g			
580-29313-A-15	TCLP-129-B	160.3	T	0.7770 g	9.2318 g	7.5411 g			
580-29313-A-16	TCLP-131	160.3	T	0.7550 g	6.0929 g	4.8146 g			
580-29313-A-17	TCLP-132	160.3	T	0.7647 g	7.6051 g	6.3020 g			
580-29313-A-18	TCLP-138	160.3	T	0.7626 g	5.8208 g	4.7885 g			
580-29313-A-19	TCLP-139	160.3	T	0.7655 g	9.7140 g	7.8591 g			
580-29313-A-20	TCLP-141	160.3	T	0.7670 g	5.1477 g	4.2727 g			
580-29313-A-21	TCLP-143	160.3	T	0.7655 g	5.2834 g	4.3690 g			
580-29313-A-22	TCLP-146	160.3	T	0.7730 g	9.8034 g	8.1386 g			
580-29313-A-23	TCLP-147	160.3	T	0.7746 g	8.5064 g	7.3688 g			
580-29313-A-24	TCLP-148	160.3	T	0.7812 g	8.7900 g	7.9605 g			
580-29313-A-25	TCLP-149	160.3	T	0.7941 g	6.4905 g	5.2566 g			
580-29313-A-26	TCLP-150	160.3	T	0.7768 g	8.8097 g	7.5797 g			

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98443 Batch Start Date: 10/24/11 14:30 Batch Analyst: DeMonnin, Robert

Batch Method: 160.3 Batch End Date: 10/25/11 08:26

Batch Notes	
Balance ID	sea218 No Unit
Date samples were placed in the oven	10-24-11
Oven Temp when samples are put in oven	109 Degrees C
Time samples were place in the oven	14:52
Date samples were removed from oven	10-25-11
Oven Temp when samples removed from oven	110 Degrees C
Time Samples were removed from oven	8:20
Oven ID	tac306
ID number of the thermometer	3a4823
Uncorrected In Temperature	109 Celsius
Uncorrected Out Temperature	110 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-29313-1

SDG No.: _____

Batch Number: 98446 Batch Start Date: 10/24/11 15:00 Batch Analyst: DeMonnin, Robert

Batch Method: 160.3 Batch End Date: 10/25/11 08:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-29313-A-27	TCLP-151	160.3	T	0.7850 g	8.8751 g	7.4020 g			
580-29313-A-27 DU	TCLP-151	160.3	T	0.7993 g	8.1773 g	6.6541 g			
580-29313-A-28	TCLP-154	160.3	T	0.7945 g	5.0535 g	4.2170 g			
580-29313-A-29	TCLP-155	160.3	T	0.7805 g	6.2667 g	5.0894 g			
580-29313-A-30	TCLP-156	160.3	T	0.7858 g	7.1250 g	5.6663 g			
580-29313-A-31	TCLP-158	160.3	T	0.7757 g	6.8858 g	5.1581 g			

Batch Notes	
Balance ID	sea218 No Unit
Date samples were placed in the oven	10-24-11
Oven Temp when samples are put in oven	109 Degrees C
Time samples were place in the oven	15:20
Date samples were removed from oven	10-25-11
Oven Temp when samples removed from oven	110 Degrees C
Time Samples were removed from oven	8:27
Oven ID	tac306
ID number of the thermometer	3a4823
Uncorrected In Temperature	109 Celsius
Uncorrected Out Temperature	110 Celsius

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Chain of Custody Record

29313

COC NO: 101711a

COC Date: 10/17/2011 12:00:00 PM

Name: Science Applications International Corporation (SAIC)
SAIC Office Address: 18912 No. Creek Parkway, Bothell, WA 98011
SAIC Contact: Marina I. Mitchell
Telephone: (425) 482-3310
Report to: SAIC, marina.i.mitchell@saic.com
Field Lab Address: 12322 Hwy 99, Suite 97, Everett, WA 98204
Project Name: Everett Smelter Uplands Group 8 Sampling
Job/P.O. No: P010059032

Laboratory Name: Test America
Address: 5755 8th Street East
Tacoma, WA 98424
Contact: Curtis Armstrong
Telephone: (253) 922-2310
Fax: (253) 922-5047

ShipmentType lab courier

Sampler (Signature) (Printed Name) SAIC

Field Contact: Michael Pagel

Observations, Comments, Special Instructions

Table with columns: Lab No., Field Sample #, Depth (in), Date, Time, Matrix. Rows 1-13 with handwritten data for sample IDs, dates, times, and matrix types.

TCLP metals, pH

No. of Containers

Relinquished by Date: 10/17/11 Time: 1100
Signature: Jason Little
Printed Name: Jason Little
Company: SAIC

Received by Date: 10/17/11 Time: 1505
Signature: Francisco Lang Jr
Printed Name: Francisco Lang Jr
Company: SEA

Notes: A. store at ambient temp. B. do NOT dispose of samples without authorization from SAIC
Abbreviations: S - Solid L - Liquid NA - Not Applicable

Methods: 1. TCLP Metals include arsenic, barium, cadmium, chromium, lead, silver, selenium and mercury by EPA 1311/6010B/7470A and pH by EPA 9045C. Project specific lab duplicate and matrix spike sample are required in every analytical batch. Other batch specific lab QC samples include MB and LCS.

Chain of Custody Record

29313

COC NO: 101711a

COC Date: 10/17/2011 12:00:00 PM

Name: Science Applications International Corporation (SAIC)
 SAIC Office Address: 18912 No. Creek Parkway, Bothell, WA 98011
 SAIC Contact: Marina I. Mitchell
 Telephone: (425) 482-3310
 Report to: SAIC, marina.i.mitchell@saic.com
 Field Lab Address: 12322 Hwy 99, Suite 97, Everett, WA 98204
 Project Name: Everett Smelter Uplands Group 8 Sampling
 Job/P.O. No: P010059032

Laboratory Name: Test America
 Address: 5755 8th Street East
 Tacoma, WA 98424
 Contact: Curtis Armstrong
 Telephone: (253) 922-2310
 Fax: (253) 922-5047

ShipmentType lab courier
 na

Field Contact:
 Michael Pagel

Observations, Comments, Special Instructions

Sampler (Signature) (Printed Name)
 SAIC

TCLP metals, pH

No. of Containers

Lab No.	Field Sample #	Depth (in)	Date	Time	Matrix																		No. of Containers
14	TCLP-129-A	NA	10/14/11	1355	soil																		1
15	TCLP-129-B	NA	10/14/11	1358	soil																		1
16	TCLP-131	NA	10/14/11	1415	soil																		1
17	TCLP-132	NA	10/14/11	1416	soil																		1
18	TCLP-138	NA	10/14/11	1410	soil																		1
19	TCLP-139	NA	10/14/11	1430	soil																		1
20	TCLP-141	NA	10/14/11	1408	soil																		1
21	TCLP-143	NA	10/14/11	1400	soil																		1
22	TCLP-146	NA	10/14/11	1404	soil																		1
23	TCLP-147	NA	10/14/11	1405	soil																		1
24	TCLP-148	NA	10/14/11	1359	soil																		1
25	TCLP-149	NA	10/14/11	1402	soil																		1
26	TCLP-150	NA	10/14/11	1407	soil																		1

Relinquished by Date: 10/17/11 Time: 1100	Received by Date: 10/17/11 Time: 1505	Notes: A. store at ambient temp. B. do NOT dispose of samples without authorization from SAIC	Methods: 1. TCLP Metals include arsenic, barium, cadmium, chromium, lead, silver, selenium and mercury by EPA 1311/6010B/7470A and pH by EPA 9045C. Project specific lab duplicate and matrix spike sample are required in every analytical batch. Other batch specific lab QC samples include MB and LCS.
Signature: <i>Jan Q</i>	Signature: <i>Francisco Luna Jr</i>		
Printed Name: <i>Jan Little</i>	Printed Name: <i>Francisco Luna Jr</i>	Abbreviations: S - Solid L - Liquid NA - Not Applicable	
Company: SAIC	Company: <i>TH-SEH</i>		
Relinquished by Date: _____ Time: _____	Received by Date: _____ Time: _____		
Signature: _____	Signature: _____		
Printed Name: _____	Printed Name: _____		
Company: _____	Company: _____		

Chain of Custody Record

29313

COC NO: 101711a

Page 3 of 3

COC Date: 10/17/2011 12:00:00 PM

Name: Science Applications International Corporation (SAIC) SAIC Office Address: 18912 No. Creek Parkway, Bothell, WA 98011 SAIC Contact: Marina I. Mitchell Telephone: (425) 482-3310 Report to: SAIC, marina.i.mitchell@saic.com Field Lab Address: 12322 Hwy 99, Suite 97, Everett, WA 98204 Project Name: Everett Smelter Uplands Group 8 Sampling Job/P.O. No: P010059032						TCLP Metals, pH																		Laboratory Name: Test America Address: 5755 8th Street East Tacoma, WA 98424 Contact: Curtis Armstrong Telephone: (253) 922-2310 Fax: (253) 922-5047	
Sampler (Signature) _____ (Printed Name) SAIC																								ShipmentType lab courier na	
																								Field Contact: Michael Pagel Observations, Comments, Special Instructions	
Lab No.	Field Sample #	Depth (in)	Date	Time	Matrix																			No. of Containers	
27	TCLP-151	NA	10/14/11	1418	soil																			1	
28	TCLP-154	NA	10/14/11	1411	soil																			1	
29	TCLP-155	NA	10/14/11	1351	soil																			1	
30	TCLP-156	NA	10/14/11	1850-1358	soil																			1	
31	TCLP-158	NA	10/17/11	915	soil																			1	
																Total Number of Containers:		31							

Cooler/TB Dig/IR cor 17.5' unc 17.6'
 Cooler Dsc Lg Blue/White @ Lab 1505
 Wet/Packs Packing Bubble Bag
 W/CS

Relinquished by Date: 10/17/11 Time: 1130 Signature: <i>[Signature]</i> Printed Name: Jason Little Company: SAIC	Received by Date: 10/17/11 Time: 1505 Signature: <i>[Signature]</i> Printed Name: Francisco Luna, Jr Company: JA-SEH	Notes: A. store at ambient temp. B. do NOT dispose of samples without authorization from SAIC Abbreviations: S - Solid L - Liquid NA - Not Applicable	Methods: 1. TCLP Metals include arsenic, barium, cadmium, chromium, lead, silver, selenium and mercury by EPA 1311/6010B/7470A and pH by EPA 9045C. Project specific lab duplicate and matrix spike sample are required in every analytical batch. Other batch specific lab QC samples include MB and LCS.
Relinquished by Date _____ Time _____ Signature _____	Received by Date _____ Time _____ Signature _____		
Printed Name _____	Printed Name _____		
Company _____	Company _____		

Login Sample Receipt Checklist

Client: Science Applications International Corp

Job Number: 580-29313-1

Login Number: 29313

List Source: TestAmerica Seattle

List Number: 1

Creator: Luna, Francisco

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 580-32525-1
Job Description: Everett Smelter Uplands

For:
Science Applications International Corp
18912 North Creek Parkway, Suite 101
Bothell, WA 98011
Attention: Marina Mitchell



Approved for release.
Kristine Allen
Project Manager I
5/9/2012 1:56 PM

Kristine Allen
Project Manager I
kristine.allen@testamericainc.com
05/09/2012

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This report shall not be reproduced except in full, without prior express written approval by the laboratory. The results relate only to the item(s) tested and the sample(s) as received by the laboratory.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted in the case narrative.

TestAmerica Laboratories, Inc.

TestAmerica Seattle 5755 8th Street East, Tacoma, WA 98424
Tel (253) 922-2310 Fax (253) 922-5047 www.testamericainc.com



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CASE NARRATIVE

Client: Science Applications International Corp

Project: Everett Smelter Uplands

Report Number: 580-32525-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 04/25/2012; the samples arrived in good condition and properly preserved. The temperature of the coolers at receipt was 18.8 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TCLP METALS

Samples TCLP-170 (580-32525-1), TCLP-172 (580-32525-2), TCLP-173 (580-32525-3), TCLP-176 (580-32525-4), TCLP-208 (580-32525-5), TCLP-210 (580-32525-6), TCLP-212 (580-32525-7), TCLP-216 (580-32525-8), TCLP-219 (580-32525-9), TCLP-221 (580-32525-10), TCLP-223 (580-32525-11), TCLP-239 (580-32525-12), TCLP-240 (580-32525-13), TCLP-245 (580-32525-14) and TCLP-246 (580-32525-15) were analyzed for TCLP metals in accordance with EPA SW-846 Methods 1311/ 6010B. The samples were leached on 05/01/2012 and 05/03/2012, and prepared and analyzed on 05/02/2012, 05/03/2012 and 05/04/2012.

Barium and Selenium were detected in method blanks (MB) 580-110395/1-B and 580-110612/1-C at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been "J" flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Lead exceeded the relative percent difference (RPD) limit for the duplicate sample 580-32525-6 in batch 580-110648.

Chromium exceeded the relative percent difference (RPD) limit for the duplicate sample 580-32525-9 in batch 580-110747.

No other difficulties were encountered during the TCLP metals analyses.

All other quality control parameters were within the acceptance limits.

TCLP MERCURY

Samples TCLP-170 (580-32525-1), TCLP-172 (580-32525-2), TCLP-173 (580-32525-3), TCLP-176 (580-32525-4), TCLP-208 (580-32525-5), TCLP-210 (580-32525-6), TCLP-212 (580-32525-7), TCLP-216 (580-32525-8), TCLP-219 (580-32525-9), TCLP-221 (580-32525-10), TCLP-223 (580-32525-11), TCLP-239 (580-32525-12), TCLP-240 (580-32525-13), TCLP-245 (580-32525-14) and TCLP-246 (580-32525-15) were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 05/01/2012 and 05/03/2012, and prepared and analyzed on 05/02/2012 and 05/04/2012.

No difficulties were encountered during the TCLP mercury analyses.

All quality control parameters were within the acceptance limits.

CORROSIVITY (PH)

Samples TCLP-170 (580-32525-1), TCLP-172 (580-32525-2), TCLP-173 (580-32525-3), TCLP-176 (580-32525-4), TCLP-208 (580-32525-5), TCLP-210 (580-32525-6), TCLP-212 (580-32525-7), TCLP-216 (580-32525-8), TCLP-219 (580-32525-9), TCLP-221 (580-32525-10), TCLP-223 (580-32525-11), TCLP-239 (580-32525-12), TCLP-240 (580-32525-13), TCLP-245 (580-32525-14) and TCLP-246 (580-32525-15) were analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045C. The samples were analyzed on 05/02/2012.

No difficulties were encountered during the pH analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples TCLP-170 (580-32525-1), TCLP-172 (580-32525-2), TCLP-173 (580-32525-3), TCLP-176 (580-32525-4), TCLP-208 (580-32525-5), TCLP-210 (580-32525-6), TCLP-212 (580-32525-7), TCLP-216 (580-32525-8), TCLP-219 (580-32525-9), TCLP-221 (580-32525-10), TCLP-223 (580-32525-11), TCLP-239 (580-32525-12), TCLP-240 (580-32525-13), TCLP-245 (580-32525-14) and TCLP-246 (580-32525-15) were analyzed for percent solids in accordance with ASTM D2216. The samples were analyzed on 05/02/2012.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Science Applications International Corp

Job Number: 580-32525-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-32525-1	TCLP-170	Solid	04/24/2012 1205	04/25/2012 1040
580-32525-2	TCLP-172	Solid	04/24/2012 1220	04/25/2012 1040
580-32525-3	TCLP-173	Solid	04/24/2012 1300	04/25/2012 1040
580-32525-4	TCLP-176	Solid	04/24/2012 1315	04/25/2012 1040
580-32525-5	TCLP-208	Solid	04/24/2012 1425	04/25/2012 1040
580-32525-6	TCLP-210	Solid	04/24/2012 1405	04/25/2012 1040
580-32525-7	TCLP-212	Solid	04/24/2012 1445	04/25/2012 1040
580-32525-8	TCLP-216	Solid	04/24/2012 1515	04/25/2012 1040
580-32525-9	TCLP-219	Solid	04/24/2012 1530	04/25/2012 1040
580-32525-10	TCLP-221	Solid	04/24/2012 1545	04/25/2012 1040
580-32525-11	TCLP-223	Solid	04/24/2012 1600	04/25/2012 1040
580-32525-12	TCLP-239	Solid	04/24/2012 1615	04/25/2012 1040
580-32525-13	TCLP-240	Solid	04/24/2012 1630	04/25/2012 1040
580-32525-14	TCLP-245	Solid	04/24/2012 1645	04/25/2012 1040
580-32525-15	TCLP-246	Solid	04/24/2012 1700	04/25/2012 1040

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 580-32525-1

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-32525-1	TCLP-170					
pH		5.10			SU	9045C
Percent Solids		75		0.10	%	D 2216
Percent Moisture		25		0.10	%	D 2216
<i>TCLP</i>						
Arsenic		0.0048	J	0.060	mg/L	6010B
Barium		0.93		0.010	mg/L	6010B
Cadmium		0.0027	J	0.010	mg/L	6010B
Chromium		0.023	J	0.025	mg/L	6010B
Lead		0.020	J	0.030	mg/L	6010B
580-32525-2	TCLP-172					
pH		5.45			SU	9045C
Percent Solids		80		0.10	%	D 2216
Percent Moisture		20		0.10	%	D 2216
<i>TCLP</i>						
Arsenic		0.0080	J	0.060	mg/L	6010B
Barium		0.55		0.010	mg/L	6010B
Chromium		0.016	J	0.025	mg/L	6010B
Lead		0.0096	J	0.030	mg/L	6010B
580-32525-3	TCLP-173					
pH		5.87			SU	9045C
Percent Solids		81		0.10	%	D 2216
Percent Moisture		19		0.10	%	D 2216
<i>TCLP</i>						
Barium		0.57		0.010	mg/L	6010B
Chromium		0.0067	J	0.025	mg/L	6010B
Lead		0.0052	J	0.030	mg/L	6010B
580-32525-4	TCLP-176					
pH		5.43			SU	9045C
Percent Solids		77		0.10	%	D 2216
Percent Moisture		23		0.10	%	D 2216
<i>TCLP</i>						
Arsenic		0.0052	J	0.060	mg/L	6010B
Barium		0.62		0.010	mg/L	6010B
Cadmium		0.0023	J	0.010	mg/L	6010B
Chromium		0.010	J	0.025	mg/L	6010B
Lead		0.0078	J	0.030	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 580-32525-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-32525-5	TCLP-208					
pH		5.65			SU	9045C
Percent Solids		73		0.10	%	D 2216
Percent Moisture		27		0.10	%	D 2216
<i>TCLP</i>						
Barium		0.72		0.010	mg/L	6010B
Cadmium		0.0039	J	0.010	mg/L	6010B
Chromium		0.0081	J	0.025	mg/L	6010B
Lead		0.018	J	0.030	mg/L	6010B
580-32525-6	TCLP-210					
pH		5.45			SU	9045C
Percent Solids		79		0.10	%	D 2216
Percent Moisture		21		0.10	%	D 2216
<i>TCLP</i>						
Barium		0.75		0.010	mg/L	6010B
Lead		0.0053	J	0.030	mg/L	6010B
580-32525-7	TCLP-212					
pH		5.42			SU	9045C
Percent Solids		76		0.10	%	D 2216
Percent Moisture		24		0.10	%	D 2216
<i>TCLP</i>						
Arsenic		0.0047	J	0.060	mg/L	6010B
Barium		0.73	B	0.010	mg/L	6010B
Cadmium		0.0041	J	0.010	mg/L	6010B
Chromium		0.010	J	0.025	mg/L	6010B
Lead		0.016	J	0.030	mg/L	6010B
Selenium		0.010	J B	0.10	mg/L	6010B
580-32525-8	TCLP-216					
pH		4.76			SU	9045C
Percent Solids		78		0.10	%	D 2216
Percent Moisture		22		0.10	%	D 2216
<i>TCLP</i>						
Barium		0.72	B	0.010	mg/L	6010B
Cadmium		0.0027	J	0.010	mg/L	6010B
Chromium		0.0099	J	0.025	mg/L	6010B
Lead		0.013	J	0.030	mg/L	6010B
Selenium		0.012	J B	0.10	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 580-32525-1

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-32525-9	TCLP-219					
pH		5.51			SU	9045C
Percent Solids		71		0.10	%	D 2216
Percent Moisture		29		0.10	%	D 2216
<i>TCLP</i>						
Arsenic		0.0051	J	0.060	mg/L	6010B
Barium		0.59	B	0.010	mg/L	6010B
Cadmium		0.0026	J	0.010	mg/L	6010B
Chromium		0.0060	J	0.025	mg/L	6010B
Lead		0.014	J	0.030	mg/L	6010B
Selenium		0.0061	J B	0.10	mg/L	6010B
580-32525-10	TCLP-221					
pH		5.53			SU	9045C
Percent Solids		77		0.10	%	D 2216
Percent Moisture		23		0.10	%	D 2216
<i>TCLP</i>						
Arsenic		0.0089	J	0.060	mg/L	6010B
Barium		0.77	B	0.010	mg/L	6010B
Cadmium		0.0029	J	0.010	mg/L	6010B
Chromium		0.0097	J	0.025	mg/L	6010B
Lead		0.019	J	0.030	mg/L	6010B
Selenium		0.0054	J B	0.10	mg/L	6010B
580-32525-11	TCLP-223					
pH		5.72			SU	9045C
Percent Solids		76		0.10	%	D 2216
Percent Moisture		24		0.10	%	D 2216
<i>TCLP</i>						
Barium		0.68	B	0.010	mg/L	6010B
Cadmium		0.0023	J	0.010	mg/L	6010B
Chromium		0.0097	J	0.025	mg/L	6010B
Lead		0.019	J	0.030	mg/L	6010B
Selenium		0.0070	J B	0.10	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 580-32525-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-32525-12	TCLP-239					
pH		5.43			SU	9045C
Percent Solids		71		0.10	%	D 2216
Percent Moisture		29		0.10	%	D 2216
<i>TCLP</i>						
Arsenic		0.0098	J	0.060	mg/L	6010B
Barium		0.26	B	0.010	mg/L	6010B
Chromium		0.013	J	0.025	mg/L	6010B
Lead		0.011	J	0.030	mg/L	6010B
580-32525-13	TCLP-240					
pH		5.92			SU	9045C
Percent Solids		77		0.10	%	D 2216
Percent Moisture		23		0.10	%	D 2216
<i>TCLP</i>						
Arsenic		0.0057	J	0.060	mg/L	6010B
Barium		0.56	B	0.010	mg/L	6010B
Cadmium		0.0038	J	0.010	mg/L	6010B
Chromium		0.0063	J	0.025	mg/L	6010B
Lead		0.016	J	0.030	mg/L	6010B
Selenium		0.0060	J B	0.10	mg/L	6010B
580-32525-14	TCLP-245					
pH		5.82			SU	9045C
Percent Solids		83		0.10	%	D 2216
Percent Moisture		17		0.10	%	D 2216
<i>TCLP</i>						
Arsenic		0.0084	J	0.060	mg/L	6010B
Barium		0.38	B	0.010	mg/L	6010B
Cadmium		0.0029	J	0.010	mg/L	6010B
Chromium		0.0077	J	0.025	mg/L	6010B
Lead		0.015	J	0.030	mg/L	6010B
Selenium		0.0051	J B	0.10	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 580-32525-1

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-32525-15	TCLP-246					
pH		6.23			SU	9045C
Percent Solids		83		0.10	%	D 2216
Percent Moisture		17		0.10	%	D 2216
<i>TCLP</i>						
Arsenic		0.016	J	0.060	mg/L	6010B
Barium		0.49	B	0.010	mg/L	6010B
Cadmium		0.0036	J	0.010	mg/L	6010B
Lead		0.025	J	0.030	mg/L	6010B
Selenium		0.0053	J B	0.10	mg/L	6010B
Mercury		0.00091	J	0.0020	mg/L	7470A

METHOD SUMMARY

Client: Science Applications International Corp

Job Number: 580-32525-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Metals (ICP)	TAL SEA	SW846 6010B	
TCLP Extraction	TAL SEA		SW846 1311
Preparation, Total Metals	TAL SEA		SW846 3010A
Mercury (CVAA)	TAL SEA	SW846 7470A	
TCLP Extraction	TAL SEA		SW846 1311
Preparation, Mercury	TAL SEA		SW846 7470A
pH	TAL SEA	SW846 9045C	
Percent Moisture	TAL SEA	ASTM D 2216	

Lab References:

TAL SEA = TestAmerica Seattle

Method References:

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Science Applications International Corp

Job Number: 580-32525-1

Method	Analyst	Analyst ID
SW846 6010B	Palmquist, Stan	SP
SW846 7470A	Boardway, Peter A	PAB
SW846 7470A	Woo, Fred C	FCW
SW846 9045C	Peterson, Jami	JP
ASTM D 2216	DeMonnin, Robert	RD

Analytical Data

Client: Science Applications International Corp

Job Number: 580-32525-1

Client Sample ID: TCLP-170

Lab Sample ID: 580-32525-1

Date Sampled: 04/24/2012 1205

Client Matrix: Solid

Date Received: 04/25/2012 1040

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-110648	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-110609	Lab File ID:	110609.asc
Dilution:	1.0	Leach Batch:	580-110427	Initial Weight/Volume:	50 mL
Analysis Date:	05/03/2012 2013			Final Weight/Volume:	50 mL
Prep Date:	05/03/2012 1302				
Leach Date:	05/01/2012 1758				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0048	J	0.0047	0.060
Barium		0.93		0.0020	0.010
Cadmium		0.0027	J	0.0015	0.010
Chromium		0.023	J	0.0033	0.025
Lead		0.020	J	0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-110717	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-110614	Lab File ID:	110614-HG.CSV
Dilution:	1.0	Leach Batch:	580-110427	Initial Weight/Volume:	5 mL
Analysis Date:	05/04/2012 1303			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1045				
Leach Date:	05/01/2012 1758				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-32525-1

Client Sample ID: TCLP-172

Lab Sample ID: 580-32525-2

Date Sampled: 04/24/2012 1220

Client Matrix: Solid

Date Received: 04/25/2012 1040

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-110648	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-110609	Lab File ID:	110609.asc
Dilution:	1.0	Leach Batch:	580-110427	Initial Weight/Volume:	50 mL
Analysis Date:	05/03/2012 2020			Final Weight/Volume:	50 mL
Prep Date:	05/03/2012 1302				
Leach Date:	05/01/2012 1758				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0080	J	0.0047	0.060
Barium		0.55		0.0020	0.010
Cadmium		ND		0.0015	0.010
Chromium		0.016	J	0.0033	0.025
Lead		0.0096	J	0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-110717	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-110614	Lab File ID:	110614-HG.CSV
Dilution:	1.0	Leach Batch:	580-110427	Initial Weight/Volume:	5 mL
Analysis Date:	05/04/2012 1306			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1045				
Leach Date:	05/01/2012 1758				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-32525-1

Client Sample ID: TCLP-173

Lab Sample ID: 580-32525-3

Date Sampled: 04/24/2012 1300

Client Matrix: Solid

Date Received: 04/25/2012 1040

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-110648	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-110609	Lab File ID:	110609.asc
Dilution:	1.0	Leach Batch:	580-110427	Initial Weight/Volume:	50 mL
Analysis Date:	05/03/2012 2026			Final Weight/Volume:	50 mL
Prep Date:	05/03/2012 1302				
Leach Date:	05/01/2012 1758				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.57		0.0020	0.010
Cadmium		ND		0.0015	0.010
Chromium		0.0067	J	0.0033	0.025
Lead		0.0052	J	0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-110717	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-110614	Lab File ID:	110614-HG.CSV
Dilution:	1.0	Leach Batch:	580-110427	Initial Weight/Volume:	5 mL
Analysis Date:	05/04/2012 1322			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1045				
Leach Date:	05/01/2012 1758				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-32525-1

Client Sample ID: TCLP-176

Lab Sample ID: 580-32525-4

Date Sampled: 04/24/2012 1315

Client Matrix: Solid

Date Received: 04/25/2012 1040

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-110648	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-110609	Lab File ID:	110609.asc
Dilution:	1.0	Leach Batch:	580-110427	Initial Weight/Volume:	50 mL
Analysis Date:	05/03/2012 2032			Final Weight/Volume:	50 mL
Prep Date:	05/03/2012 1302				
Leach Date:	05/01/2012 1758				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0052	J	0.0047	0.060
Barium		0.62		0.0020	0.010
Cadmium		0.0023	J	0.0015	0.010
Chromium		0.010	J	0.0033	0.025
Lead		0.0078	J	0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-110717	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-110614	Lab File ID:	110614-HG.CSV
Dilution:	1.0	Leach Batch:	580-110427	Initial Weight/Volume:	5 mL
Analysis Date:	05/04/2012 1324			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1045				
Leach Date:	05/01/2012 1758				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-32525-1

Client Sample ID: TCLP-208

Lab Sample ID: 580-32525-5

Date Sampled: 04/24/2012 1425

Client Matrix: Solid

Date Received: 04/25/2012 1040

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-110648	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-110609	Lab File ID:	110609.asc
Dilution:	1.0	Leach Batch:	580-110427	Initial Weight/Volume:	50 mL
Analysis Date:	05/03/2012 2039			Final Weight/Volume:	50 mL
Prep Date:	05/03/2012 1302				
Leach Date:	05/01/2012 1758				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.72		0.0020	0.010
Cadmium		0.0039	J	0.0015	0.010
Chromium		0.0081	J	0.0033	0.025
Lead		0.018	J	0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-110717	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-110614	Lab File ID:	110614-HG.CSV
Dilution:	1.0	Leach Batch:	580-110427	Initial Weight/Volume:	5 mL
Analysis Date:	05/04/2012 1317			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1045				
Leach Date:	05/01/2012 1758				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-32525-1

Client Sample ID: TCLP-210

Lab Sample ID: 580-32525-6

Date Sampled: 04/24/2012 1405

Client Matrix: Solid

Date Received: 04/25/2012 1040

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-110648	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-110609	Lab File ID:	110609.asc
Dilution:	1.0	Leach Batch:	580-110427	Initial Weight/Volume:	50 mL
Analysis Date:	05/03/2012 1931			Final Weight/Volume:	50 mL
Prep Date:	05/03/2012 1302				
Leach Date:	05/01/2012 1758				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.75		0.0020	0.010
Cadmium		ND		0.0015	0.010
Chromium		ND		0.0033	0.025
Lead		0.0053	J	0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-110717	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-110614	Lab File ID:	110614-HG.CSV
Dilution:	1.0	Leach Batch:	580-110427	Initial Weight/Volume:	5 mL
Analysis Date:	05/04/2012 1254			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1045				
Leach Date:	05/01/2012 1758				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-32525-1

Client Sample ID: TCLP-212

Lab Sample ID: 580-32525-7

Date Sampled: 04/24/2012 1445

Client Matrix: Solid

Date Received: 04/25/2012 1040

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-110549	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-110509	Lab File ID:	110501-110509.asc
Dilution:	1.0	Leach Batch:	580-110395	Initial Weight/Volume:	50 mL
Analysis Date:	05/02/2012 2142			Final Weight/Volume:	50 mL
Prep Date:	05/02/2012 1328				
Leach Date:	05/01/2012 1215				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0047	J	0.0047	0.060
Barium		0.73	B	0.0020	0.010
Cadmium		0.0041	J	0.0015	0.010
Chromium		0.010	J	0.0033	0.025
Lead		0.016	J	0.0021	0.030
Selenium		0.010	J B	0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-110545	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-110511	Lab File ID:	110511-HG.CSV
Dilution:	1.0	Leach Batch:	580-110395	Initial Weight/Volume:	5 mL
Analysis Date:	05/02/2012 1631			Final Weight/Volume:	50 mL
Prep Date:	05/02/2012 1342				
Leach Date:	05/01/2012 1215				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-32525-1

Client Sample ID: TCLP-216

Lab Sample ID: 580-32525-8

Date Sampled: 04/24/2012 1515

Client Matrix: Solid

Date Received: 04/25/2012 1040

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-110549	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-110509	Lab File ID:	110501-110509.asc
Dilution:	1.0	Leach Batch:	580-110395	Initial Weight/Volume:	50 mL
Analysis Date:	05/02/2012 2148			Final Weight/Volume:	50 mL
Prep Date:	05/02/2012 1328				
Leach Date:	05/01/2012 1215				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.72	B	0.0020	0.010
Cadmium		0.0027	J	0.0015	0.010
Chromium		0.0099	J	0.0033	0.025
Lead		0.013	J	0.0021	0.030
Selenium		0.012	J B	0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-110545	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-110511	Lab File ID:	110511-HG.CSV
Dilution:	1.0	Leach Batch:	580-110395	Initial Weight/Volume:	5 mL
Analysis Date:	05/02/2012 1634			Final Weight/Volume:	50 mL
Prep Date:	05/02/2012 1342				
Leach Date:	05/01/2012 1215				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-32525-1

Client Sample ID: TCLP-219

Lab Sample ID: 580-32525-9

Date Sampled: 04/24/2012 1530

Client Matrix: Solid

Date Received: 04/25/2012 1040

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-110747	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-110695	Lab File ID:	110695-110686.asc
Dilution:	1.0	Leach Batch:	580-110612	Initial Weight/Volume:	50 mL
Analysis Date:	05/04/2012 1840			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1130				
Leach Date:	05/03/2012 1316				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0051	J	0.0047	0.060
Barium		0.59	B	0.0020	0.010
Cadmium		0.0026	J	0.0015	0.010
Chromium		0.0060	J	0.0033	0.025
Lead		0.014	J	0.0021	0.030
Selenium		0.0061	J B	0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-110759	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-110697	Lab File ID:	050412-HG.CSV
Dilution:	1.0	Leach Batch:	580-110612	Initial Weight/Volume:	5 mL
Analysis Date:	05/04/2012 1435			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1101				
Leach Date:	05/03/2012 1316				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-32525-1

Client Sample ID: TCLP-221

Lab Sample ID: 580-32525-10

Date Sampled: 04/24/2012 1545

Client Matrix: Solid

Date Received: 04/25/2012 1040

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-110747	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-110695	Lab File ID:	110695-110686.asc
Dilution:	1.0	Leach Batch:	580-110612	Initial Weight/Volume:	50 mL
Analysis Date:	05/04/2012 1923			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1130				
Leach Date:	05/03/2012 1316				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0089	J	0.0047	0.060
Barium		0.77	B	0.0020	0.010
Cadmium		0.0029	J	0.0015	0.010
Chromium		0.0097	J	0.0033	0.025
Lead		0.019	J	0.0021	0.030
Selenium		0.0054	J B	0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-110759	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-110697	Lab File ID:	050412-HG.CSV
Dilution:	1.0	Leach Batch:	580-110612	Initial Weight/Volume:	5 mL
Analysis Date:	05/04/2012 1444			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1101				
Leach Date:	05/03/2012 1316				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-32525-1

Client Sample ID: TCLP-223

Lab Sample ID: 580-32525-11

Date Sampled: 04/24/2012 1600

Client Matrix: Solid

Date Received: 04/25/2012 1040

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-110747	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-110695	Lab File ID:	110695-110686.asc
Dilution:	1.0	Leach Batch:	580-110612	Initial Weight/Volume:	50 mL
Analysis Date:	05/04/2012 1929			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1130				
Leach Date:	05/03/2012 1316				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.68	B	0.0020	0.010
Cadmium		0.0023	J	0.0015	0.010
Chromium		0.0097	J	0.0033	0.025
Lead		0.019	J	0.0021	0.030
Selenium		0.0070	J B	0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-110759	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-110697	Lab File ID:	050412-HG.CSV
Dilution:	1.0	Leach Batch:	580-110612	Initial Weight/Volume:	5 mL
Analysis Date:	05/04/2012 1447			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1101				
Leach Date:	05/03/2012 1316				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-32525-1

Client Sample ID: TCLP-239

Lab Sample ID: 580-32525-12

Date Sampled: 04/24/2012 1615

Client Matrix: Solid

Date Received: 04/25/2012 1040

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-110747	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-110695	Lab File ID:	110695-110686.asc
Dilution:	1.0	Leach Batch:	580-110612	Initial Weight/Volume:	50 mL
Analysis Date:	05/04/2012 1935			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1130				
Leach Date:	05/03/2012 1316				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0098	J	0.0047	0.060
Barium		0.26	B	0.0020	0.010
Cadmium		ND		0.0015	0.010
Chromium		0.013	J	0.0033	0.025
Lead		0.011	J	0.0021	0.030
Selenium		ND		0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-110759	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-110697	Lab File ID:	050412-HG.CSV
Dilution:	1.0	Leach Batch:	580-110612	Initial Weight/Volume:	5 mL
Analysis Date:	05/04/2012 1513			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1101				
Leach Date:	05/03/2012 1316				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-32525-1

Client Sample ID: TCLP-240

Lab Sample ID: 580-32525-13

Date Sampled: 04/24/2012 1630

Client Matrix: Solid

Date Received: 04/25/2012 1040

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-110747	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-110695	Lab File ID:	110695-110686.asc
Dilution:	1.0	Leach Batch:	580-110612	Initial Weight/Volume:	50 mL
Analysis Date:	05/04/2012 1942			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1130				
Leach Date:	05/03/2012 1316				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0057	J	0.0047	0.060
Barium		0.56	B	0.0020	0.010
Cadmium		0.0038	J	0.0015	0.010
Chromium		0.0063	J	0.0033	0.025
Lead		0.016	J	0.0021	0.030
Selenium		0.0060	J B	0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-110759	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-110697	Lab File ID:	050412-HG.CSV
Dilution:	1.0	Leach Batch:	580-110612	Initial Weight/Volume:	5 mL
Analysis Date:	05/04/2012 1456			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1101				
Leach Date:	05/03/2012 1316				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-32525-1

Client Sample ID: TCLP-245

Lab Sample ID: 580-32525-14

Date Sampled: 04/24/2012 1645

Client Matrix: Solid

Date Received: 04/25/2012 1040

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-110747	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-110695	Lab File ID:	110695-110686.asc
Dilution:	1.0	Leach Batch:	580-110612	Initial Weight/Volume:	50 mL
Analysis Date:	05/04/2012 1948			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1130				
Leach Date:	05/03/2012 1316				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0084	J	0.0047	0.060
Barium		0.38	B	0.0020	0.010
Cadmium		0.0029	J	0.0015	0.010
Chromium		0.0077	J	0.0033	0.025
Lead		0.015	J	0.0021	0.030
Selenium		0.0051	J B	0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-110759	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-110697	Lab File ID:	050412-HG.CSV
Dilution:	1.0	Leach Batch:	580-110612	Initial Weight/Volume:	5 mL
Analysis Date:	05/04/2012 1459			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1101				
Leach Date:	05/03/2012 1316				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-32525-1

Client Sample ID: TCLP-246

Lab Sample ID: 580-32525-15

Date Sampled: 04/24/2012 1700

Client Matrix: Solid

Date Received: 04/25/2012 1040

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-110747	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-110695	Lab File ID:	110695-110686.asc
Dilution:	1.0	Leach Batch:	580-110612	Initial Weight/Volume:	50 mL
Analysis Date:	05/04/2012 1954			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1130				
Leach Date:	05/03/2012 1316				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.016	J	0.0047	0.060
Barium		0.49	B	0.0020	0.010
Cadmium		0.0036	J	0.0015	0.010
Chromium		ND		0.0033	0.025
Lead		0.025	J	0.0021	0.030
Selenium		0.0053	J B	0.0042	0.10
Silver		ND		0.0085	0.020

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-110759	Instrument ID:	TAC103
Prep Method:	7470A	Prep Batch:	580-110697	Lab File ID:	050412-HG.CSV
Dilution:	1.0	Leach Batch:	580-110612	Initial Weight/Volume:	5 mL
Analysis Date:	05/04/2012 1501			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1101				
Leach Date:	05/03/2012 1316				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.00091	J	0.00041	0.0020

Client: Science Applications International Corp

Job Number: 580-32525-1

General Chemistry

Client Sample ID: TCLP-170

Lab Sample ID: 580-32525-1

Date Sampled: 04/24/2012 1205

Client Matrix: Solid

Date Received: 04/25/2012 1040

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH	5.10		SU			1.0	9045C
	Analysis Batch: 580-110531		Analysis Date: 05/02/2012 1219				DryWt Corrected: N
Percent Solids	75		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110495		Analysis Date: 05/02/2012 1215				DryWt Corrected: N
Percent Moisture	25		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110495		Analysis Date: 05/02/2012 1215				DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-32525-1

General Chemistry

Client Sample ID: TCLP-172

Lab Sample ID: 580-32525-2

Date Sampled: 04/24/2012 1220

Client Matrix: Solid

Date Received: 04/25/2012 1040

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH	5.45		SU			1.0	9045C
	Analysis Batch: 580-110531		Analysis Date: 05/02/2012 1221				DryWt Corrected: N
Percent Solids	80		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110495		Analysis Date: 05/02/2012 1215				DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110495		Analysis Date: 05/02/2012 1215				DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-32525-1

General Chemistry

Client Sample ID: TCLP-173

Lab Sample ID: 580-32525-3

Date Sampled: 04/24/2012 1300

Client Matrix: Solid

Date Received: 04/25/2012 1040

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH	5.87		SU			1.0	9045C
	Analysis Batch: 580-110531		Analysis Date: 05/02/2012 1223				DryWt Corrected: N
Percent Solids	81		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110495		Analysis Date: 05/02/2012 1215				DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110495		Analysis Date: 05/02/2012 1215				DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-32525-1

General Chemistry

Client Sample ID: TCLP-176

Lab Sample ID: 580-32525-4

Date Sampled: 04/24/2012 1315

Client Matrix: Solid

Date Received: 04/25/2012 1040

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH	5.43		SU			1.0	9045C
	Analysis Batch: 580-110531		Analysis Date: 05/02/2012 1225				DryWt Corrected: N
Percent Solids	77		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110495		Analysis Date: 05/02/2012 1215				DryWt Corrected: N
Percent Moisture	23		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110495		Analysis Date: 05/02/2012 1215				DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-32525-1

General Chemistry

Client Sample ID: TCLP-208

Lab Sample ID: 580-32525-5

Date Sampled: 04/24/2012 1425

Client Matrix: Solid

Date Received: 04/25/2012 1040

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH	5.65		SU			1.0	9045C
	Analysis Batch: 580-110531		Analysis Date: 05/02/2012 1240				DryWt Corrected: N
Percent Solids	73		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110495		Analysis Date: 05/02/2012 1215				DryWt Corrected: N
Percent Moisture	27		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110495		Analysis Date: 05/02/2012 1215				DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-32525-1

General Chemistry

Client Sample ID: TCLP-210

Lab Sample ID: 580-32525-6

Date Sampled: 04/24/2012 1405

Client Matrix: Solid

Date Received: 04/25/2012 1040

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH	5.45		SU			1.0	9045C
	Analysis Batch: 580-110531		Analysis Date: 05/02/2012 1355				DryWt Corrected: N
Percent Solids	79		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110495		Analysis Date: 05/02/2012 1215				DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110495		Analysis Date: 05/02/2012 1215				DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-32525-1

General Chemistry

Client Sample ID: TCLP-212

Lab Sample ID: 580-32525-7

Client Matrix: Solid

Date Sampled: 04/24/2012 1445

Date Received: 04/25/2012 1040

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH	5.42		SU			1.0	9045C
	Analysis Batch: 580-110531		Analysis Date: 05/02/2012 1358				DryWt Corrected: N
Percent Solids	76		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110495		Analysis Date: 05/02/2012 1215				DryWt Corrected: N
Percent Moisture	24		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110495		Analysis Date: 05/02/2012 1215				DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-32525-1

General Chemistry

Client Sample ID: TCLP-216

Lab Sample ID: 580-32525-8

Date Sampled: 04/24/2012 1515

Client Matrix: Solid

Date Received: 04/25/2012 1040

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH	4.76		SU			1.0	9045C
	Analysis Batch: 580-110531		Analysis Date: 05/02/2012 1400				DryWt Corrected: N
Percent Solids	78		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110499		Analysis Date: 05/02/2012 1258				DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110499		Analysis Date: 05/02/2012 1258				DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-32525-1

General Chemistry

Client Sample ID: TCLP-219

Lab Sample ID: 580-32525-9

Date Sampled: 04/24/2012 1530

Client Matrix: Solid

Date Received: 04/25/2012 1040

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH	5.51		SU			1.0	9045C
	Analysis Batch: 580-110531		Analysis Date: 05/02/2012 1402				DryWt Corrected: N
Percent Solids	71		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110499		Analysis Date: 05/02/2012 1258				DryWt Corrected: N
Percent Moisture	29		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110499		Analysis Date: 05/02/2012 1258				DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-32525-1

General Chemistry

Client Sample ID: TCLP-221

Lab Sample ID: 580-32525-10

Date Sampled: 04/24/2012 1545

Client Matrix: Solid

Date Received: 04/25/2012 1040

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH	5.53		SU			1.0	9045C
	Analysis Batch: 580-110531		Analysis Date: 05/02/2012 1404				DryWt Corrected: N
Percent Solids	77		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110499		Analysis Date: 05/02/2012 1258				DryWt Corrected: N
Percent Moisture	23		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110499		Analysis Date: 05/02/2012 1258				DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-32525-1

General Chemistry

Client Sample ID: TCLP-223

Lab Sample ID: 580-32525-11

Date Sampled: 04/24/2012 1600

Client Matrix: Solid

Date Received: 04/25/2012 1040

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH	5.72		SU			1.0	9045C
	Analysis Batch: 580-110531		Analysis Date: 05/02/2012 1407				DryWt Corrected: N
Percent Solids	76		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110499		Analysis Date: 05/02/2012 1258				DryWt Corrected: N
Percent Moisture	24		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110499		Analysis Date: 05/02/2012 1258				DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-32525-1

General Chemistry

Client Sample ID: TCLP-239

Lab Sample ID: 580-32525-12

Date Sampled: 04/24/2012 1615

Client Matrix: Solid

Date Received: 04/25/2012 1040

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH	5.43		SU			1.0	9045C
	Analysis Batch: 580-110531		Analysis Date: 05/02/2012 1410				DryWt Corrected: N
Percent Solids	71		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110499		Analysis Date: 05/02/2012 1258				DryWt Corrected: N
Percent Moisture	29		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110499		Analysis Date: 05/02/2012 1258				DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-32525-1

General Chemistry

Client Sample ID: TCLP-240

Lab Sample ID: 580-32525-13

Date Sampled: 04/24/2012 1630

Client Matrix: Solid

Date Received: 04/25/2012 1040

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH	5.92		SU			1.0	9045C
	Analysis Batch: 580-110531		Analysis Date: 05/02/2012 1412				DryWt Corrected: N
Percent Solids	77		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110499		Analysis Date: 05/02/2012 1258				DryWt Corrected: N
Percent Moisture	23		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110499		Analysis Date: 05/02/2012 1258				DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-32525-1

General Chemistry

Client Sample ID: TCLP-245

Lab Sample ID: 580-32525-14

Date Sampled: 04/24/2012 1645

Client Matrix: Solid

Date Received: 04/25/2012 1040

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH	5.82		SU			1.0	9045C
	Analysis Batch: 580-110531		Analysis Date: 05/02/2012 1415				DryWt Corrected: N
Percent Solids	83		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110499		Analysis Date: 05/02/2012 1258				DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110499		Analysis Date: 05/02/2012 1258				DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-32525-1

General Chemistry

Client Sample ID: TCLP-246

Lab Sample ID: 580-32525-15

Date Sampled: 04/24/2012 1700

Client Matrix: Solid

Date Received: 04/25/2012 1040

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH	6.23		SU			1.0	9045C
	Analysis Batch: 580-110531		Analysis Date: 05/02/2012 1420				DryWt Corrected: N
Percent Solids	83		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110499		Analysis Date: 05/02/2012 1258				DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-110499		Analysis Date: 05/02/2012 1258				DryWt Corrected: N

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Method Blank - Batch: 580-110509

Lab Sample ID: MB 580-110395/1-B
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/02/2012 1957
 Prep Date: 05/02/2012 1328
 Leach Date: 05/01/2012 1215

Analysis Batch: 580-110549
 Prep Batch: 580-110509
 Leach Batch: 580-110395
 Units: mg/L

**Method: 6010B
 Preparation: 3010A
 TCLP**

Instrument ID: TAC047
 Lab File ID: 110501-110509.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.0047	0.060
Barium	0.00440	J	0.0020	0.010
Cadmium	ND		0.0015	0.010
Chromium	ND		0.0033	0.025
Lead	ND		0.0021	0.030
Selenium	0.00770	J	0.0042	0.10
Silver	ND		0.0085	0.020

LCS-Certified Reference Material - Batch: 580-110509

Lab Sample ID: LCSSRM
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/02/2012 2016
 Prep Date: 05/02/2012 1328
 Leach Date: N/A

Analysis Batch: 580-110549
 Prep Batch: 580-110509
 Leach Batch: N/A
 Units: mg/L

**Method: 6010B
 Preparation: 3010A**

Instrument ID: TAC047
 Lab File ID: 110501-110509.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	4.00	4.32	108	80 - 120	
Barium	4.00	4.33	108	80 - 120	
Cadmium	0.100	0.108	108	80 - 120	
Chromium	0.400	0.398	100	80 - 120	
Lead	1.00	1.04	104	80 - 120	
Selenium	4.00	4.35	109	80 - 120	
Silver	0.600	0.575	96	80 - 120	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-110509**

**Method: 6010B
Preparation: 3010A
TCLP**

LCS Lab Sample ID:	LCS 580-110395/2-B	Analysis Batch:	580-110549	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-110509	Lab File ID:	110501-110509.asc
Dilution:	1.0	Leach Batch:	580-110395	Initial Weight/Volume:	50 mL
Analysis Date:	05/02/2012 2004	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/02/2012 1328				
Leach Date:	05/01/2012 1215				

LCSD Lab Sample ID:	LCSD 580-110395/3-B	Analysis Batch:	580-110549	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-110509	Lab File ID:	110501-110509.asc
Dilution:	1.0	Leach Batch:	580-110395	Initial Weight/Volume:	50 mL
Analysis Date:	05/02/2012 2010	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/02/2012 1328				
Leach Date:	05/01/2012 1215				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	108	108	80 - 120	0	20		
Barium	108	108	80 - 120	0	20		
Cadmium	109	108	80 - 120	1	20		
Chromium	100	102	80 - 120	2	20		
Lead	104	104	80 - 120	0	20		
Selenium	109	109	80 - 120	0	20		
Silver	100	100	80 - 120	0	20		

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-110509**

**Method: 6010B
Preparation: 3010A
TCLP**

LCS Lab Sample ID:	LCS 580-110395/2-B	Units:	mg/L	LCSD Lab Sample ID:	LCSD 580-110395/3-B
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/02/2012 2004			Analysis Date:	05/02/2012 2010
Prep Date:	05/02/2012 1328			Prep Date:	05/02/2012 1328
Leach Date:	05/01/2012 1215			Leach Date:	05/01/2012 1215

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	4.00	4.00	4.33	4.33
Barium	4.00	4.00	4.34	4.32
Cadmium	0.100	0.100	0.109	0.108
Chromium	0.400	0.400	0.402	0.409
Lead	1.00	1.00	1.04	1.04
Selenium	4.00	4.00	4.36	4.38
Silver	0.600	0.600	0.599	0.598

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Method Blank - Batch: 580-110609

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID: MB 580-110427/1-B	Analysis Batch: 580-110648	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-110609	Lab File ID: 110609.asc
Dilution: 1.0	Leach Batch: 580-110427	Initial Weight/Volume: 50 mL
Analysis Date: 05/03/2012 1900	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/03/2012 1302		
Leach Date: 05/01/2012 1758		

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.0047	0.060
Barium	ND		0.0020	0.010
Cadmium	ND		0.0015	0.010
Chromium	ND		0.0033	0.025
Lead	ND		0.0021	0.030
Selenium	ND		0.0042	0.10
Silver	ND		0.0085	0.020

LCS-Certified Reference Material - Batch: 580-110609

**Method: 6010B
Preparation: 3010A**

Lab Sample ID: LCSSRM	Analysis Batch: 580-110648	Instrument ID: TAC047
Client Matrix: Water	Prep Batch: 580-110609	Lab File ID: 110609.asc
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 05/03/2012 1918	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/03/2012 1302		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	4.00	4.82	120	80 - 120	
Barium	4.00	4.43	111	80 - 120	
Cadmium	0.100	0.111	111	80 - 120	
Chromium	0.400	0.413	103	80 - 120	
Lead	1.00	1.06	106	80 - 120	
Selenium	4.00	4.52	113	80 - 120	
Silver	0.600	0.604	101	80 - 120	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-110609**

**Method: 6010B
Preparation: 3010A
TCLP**

LCS Lab Sample ID:	LCS 580-110427/2-B	Analysis Batch:	580-110648	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-110609	Lab File ID:	110609.asc
Dilution:	1.0	Leach Batch:	580-110427	Initial Weight/Volume:	50 mL
Analysis Date:	05/03/2012 1906	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/03/2012 1302				
Leach Date:	05/01/2012 1758				

LCSD Lab Sample ID:	LCSD 580-110427/3-B	Analysis Batch:	580-110648	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-110609	Lab File ID:	110609.asc
Dilution:	1.0	Leach Batch:	580-110427	Initial Weight/Volume:	50 mL
Analysis Date:	05/03/2012 1912	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/03/2012 1302				
Leach Date:	05/01/2012 1758				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	120	120	80 - 120	0	20		
Barium	110	110	80 - 120	0	20		
Cadmium	110	110	80 - 120	0	20		
Chromium	105	102	80 - 120	3	20		
Lead	105	105	80 - 120	0	20		
Selenium	113	113	80 - 120	0	20		
Silver	99	98	80 - 120	2	20		

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-110609**

**Method: 6010B
Preparation: 3010A
TCLP**

LCS Lab Sample ID:	LCS 580-110427/2-B	Units:	mg/L	LCSD Lab Sample ID:	LCSD 580-110427/3-B
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/03/2012 1906			Analysis Date:	05/03/2012 1912
Prep Date:	05/03/2012 1302			Prep Date:	05/03/2012 1302
Leach Date:	05/01/2012 1758			Leach Date:	05/01/2012 1758

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	4.00	4.00	4.81	4.79
Barium	4.00	4.00	4.40	4.40
Cadmium	0.100	0.100	0.110	0.110
Chromium	0.400	0.400	0.419	0.408
Lead	1.00	1.00	1.05	1.05
Selenium	4.00	4.00	4.51	4.51
Silver	0.600	0.600	0.596	0.587

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Post Digestion Spike - Batch: 580-110609

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID:	580-32525-6	Analysis Batch:	580-110648	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-110609	Lab File ID:	110609.asc
Dilution:	1.0	Leach Batch:	580-110427	Initial Weight/Volume:	50 mL
Analysis Date:	05/03/2012 1955	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/03/2012 1302				
Leach Date:	05/01/2012 1758				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	ND	4.00	4.94	124		
Barium	0.75	4.00	5.26	113		
Cadmium	ND	0.100	0.116	116		
Chromium	ND	0.400	0.415	104		
Lead	0.0053 J	1.00	1.10	109		
Selenium	ND	4.00	4.65	116		
Silver	ND	0.600	0.535	89		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-110609**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID:	580-32525-6	Analysis Batch:	580-110648	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-110609	Lab File ID:	110609.asc
Dilution:	1.0	Leach Batch:	580-110427	Initial Weight/Volume:	50 mL
Analysis Date:	05/03/2012 1943			Final Weight/Volume:	50 mL
Prep Date:	05/03/2012 1302				
Leach Date:	05/01/2012 1758				

MSD Lab Sample ID:	580-32525-6	Analysis Batch:	580-110648	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-110609	Lab File ID:	110609.asc
Dilution:	1.0	Leach Batch:	580-110427	Initial Weight/Volume:	50 mL
Analysis Date:	05/03/2012 1949			Final Weight/Volume:	50 mL
Prep Date:	05/03/2012 1302				
Leach Date:	05/01/2012 1758				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	123	120	50 - 150	2	20		
Barium	113	110	50 - 150	3	20		
Cadmium	114	110	50 - 150	3	20		
Chromium	105	106	50 - 150	1	20		
Lead	108	104	50 - 150	3	20		
Selenium	115	112	50 - 150	3	20		
Silver	101	99	50 - 150	2	20		

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-110609**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID: 580-32525-6 Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/03/2012 1943
 Prep Date: 05/03/2012 1302
 Leach Date: 05/01/2012 1758

MSD Lab Sample ID: 580-32525-6
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/03/2012 1949
 Prep Date: 05/03/2012 1302
 Leach Date: 05/01/2012 1758

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	ND	4.00	4.00	4.91	4.80
Barium	0.75	4.00	4.00	5.29	5.14
Cadmium	ND	0.100	0.100	0.114	0.110
Chromium	ND	0.400	0.400	0.421	0.423
Lead	0.0053 J	1.00	1.00	1.08	1.05
Selenium	ND	4.00	4.00	4.59	4.46
Silver	ND	0.600	0.600	0.605	0.596

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Serial Dilution - Batch: 580-110609

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID:	580-32525-6	Analysis Batch:	580-110648	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-110609	Lab File ID:	110609.asc
Dilution:	1.0	Leach Batch:	580-110427	Initial Weight/Volume:	50 mL
Analysis Date:	05/03/2012 1924	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/03/2012 1302				
Leach Date:	05/01/2012 1758				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	ND	ND	NC		
Barium	0.75	0.149	80		
Cadmium	ND	ND	NC		
Chromium	ND	ND	NC		
Lead	0.0053 J	ND	NC		
Selenium	ND	ND	NC		
Silver	ND	ND	NC		

Duplicate - Batch: 580-110609

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID:	580-32525-6	Analysis Batch:	580-110648	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-110609	Lab File ID:	110609.asc
Dilution:	1.0	Leach Batch:	580-110427	Initial Weight/Volume:	50 mL
Analysis Date:	05/03/2012 1937	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/03/2012 1302				
Leach Date:	05/01/2012 1758				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	ND	ND	NC	20	
Barium	0.75	0.806	7	20	
Cadmium	ND	ND	NC	20	
Chromium	ND	ND	NC	20	
Lead	0.0053 J	0.00690	26	20	J
Selenium	ND	ND	NC	20	
Silver	ND	ND	NC	20	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Method Blank - Batch: 580-110695

Lab Sample ID: MB 580-110612/1-C
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/04/2012 1810
 Prep Date: 05/04/2012 1130
 Leach Date: 05/03/2012 1316

Analysis Batch: 580-110747
 Prep Batch: 580-110695
 Leach Batch: 580-110612
 Units: mg/L

**Method: 6010B
 Preparation: 3010A
 TCLP**

Instrument ID: TAC047
 Lab File ID: 110695-110686.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.0047	0.060
Barium	0.00240	J	0.0020	0.010
Cadmium	ND		0.0015	0.010
Chromium	ND		0.0033	0.025
Lead	ND		0.0021	0.030
Selenium	0.00640	J	0.0042	0.10
Silver	ND		0.0085	0.020

LCS-Certified Reference Material - Batch: 580-110695

Lab Sample ID: LCSSRM
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/04/2012 1828
 Prep Date: 05/04/2012 1130
 Leach Date: N/A

Analysis Batch: 580-110747
 Prep Batch: 580-110695
 Leach Batch: N/A
 Units: mg/L

**Method: 6010B
 Preparation: 3010A**

Instrument ID: TAC047
 Lab File ID: 110695-110686.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	4.00	4.38	110	80 - 120	
Barium	4.00	4.44	111	80 - 120	
Cadmium	0.100	0.113	113	80 - 120	
Chromium	0.400	0.424	106	80 - 120	
Lead	1.00	1.08	108	80 - 120	
Selenium	4.00	4.49	112	80 - 120	
Silver	0.600	0.613	102	80 - 120	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-110695**

**Method: 6010B
Preparation: 3010A
TCLP**

LCS Lab Sample ID:	LCS 580-110612/2-C	Analysis Batch:	580-110747	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-110695	Lab File ID:	110695-110686.asc
Dilution:	1.0	Leach Batch:	580-110612	Initial Weight/Volume:	50 mL
Analysis Date:	05/04/2012 1816	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1130				
Leach Date:	05/03/2012 1316				

LCSD Lab Sample ID:	LCSD 580-110612/3-C	Analysis Batch:	580-110747	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-110695	Lab File ID:	110695-110686.asc
Dilution:	1.0	Leach Batch:	580-110612	Initial Weight/Volume:	50 mL
Analysis Date:	05/04/2012 1822	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1130				
Leach Date:	05/03/2012 1316				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	110	108	80 - 120	2	20		
Barium	111	109	80 - 120	2	20		
Cadmium	112	110	80 - 120	2	20		
Chromium	105	104	80 - 120	2	20		
Lead	108	106	80 - 120	2	20		
Selenium	113	111	80 - 120	1	20		
Silver	101	98	80 - 120	3	20		

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-110695**

**Method: 6010B
Preparation: 3010A
TCLP**

LCS Lab Sample ID:	LCS 580-110612/2-C	Units:	mg/L	LCSD Lab Sample ID:	LCSD 580-110612/3-C
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/04/2012 1816			Analysis Date:	05/04/2012 1822
Prep Date:	05/04/2012 1130			Prep Date:	05/04/2012 1130
Leach Date:	05/03/2012 1316			Leach Date:	05/03/2012 1316

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	4.00	4.00	4.42	4.33
Barium	4.00	4.00	4.45	4.36
Cadmium	0.100	0.100	0.112	0.110
Chromium	0.400	0.400	0.422	0.415
Lead	1.00	1.00	1.08	1.06
Selenium	4.00	4.00	4.50	4.45
Silver	0.600	0.600	0.607	0.590

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Post Digestion Spike - Batch: 580-110695

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID:	580-32525-9	Analysis Batch:	580-110747	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-110695	Lab File ID:	110695-110686.asc
Dilution:	1.0	Leach Batch:	580-110612	Initial Weight/Volume:	50 mL
Analysis Date:	05/04/2012 1905	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1130				
Leach Date:	05/03/2012 1316				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	0.0051 J	4.00	4.46	111		
Barium	0.59	4.00	5.06	112		
Cadmium	0.0026 J	0.100	0.119	117		
Chromium	0.0060 J	0.400	0.426	105		
Lead	0.014 J	1.00	1.13	111		
Selenium	0.0061 J	4.00	4.61	115		
Silver	ND	0.600	0.542	90		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-110695**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID:	580-32525-9	Analysis Batch:	580-110747	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-110695	Lab File ID:	110695-110686.asc
Dilution:	1.0	Leach Batch:	580-110612	Initial Weight/Volume:	50 mL
Analysis Date:	05/04/2012 1853			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1130				
Leach Date:	05/03/2012 1316				

MSD Lab Sample ID:	580-32525-9	Analysis Batch:	580-110747	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-110695	Lab File ID:	110695-110686.asc
Dilution:	1.0	Leach Batch:	580-110612	Initial Weight/Volume:	50 mL
Analysis Date:	05/04/2012 1859			Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1130				
Leach Date:	05/03/2012 1316				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	109	109	50 - 150	0	20		
Barium	110	110	50 - 150	0	20		
Cadmium	112	111	50 - 150	0	20		
Chromium	102	102	50 - 150	0	20		
Lead	108	107	50 - 150	1	20		
Selenium	111	112	50 - 150	1	20		
Silver	100	98	50 - 150	2	20		

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-110695**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID: 580-32525-9 Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/04/2012 1853
 Prep Date: 05/04/2012 1130
 Leach Date: 05/03/2012 1316

MSD Lab Sample ID: 580-32525-9
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/04/2012 1859
 Prep Date: 05/04/2012 1130
 Leach Date: 05/03/2012 1316

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	0.0051	J	4.00	4.00	4.35	4.36
Barium	0.59		4.00	4.00	5.01	5.00
Cadmium	0.0026	J	0.100	0.100	0.114	0.114
Chromium	0.0060	J	0.400	0.400	0.415	0.415
Lead	0.014	J	1.00	1.00	1.09	1.08
Selenium	0.0061	J	4.00	4.00	4.44	4.50
Silver	ND		0.600	0.600	0.602	0.591

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Serial Dilution - Batch: 580-110695

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID:	580-32525-9	Analysis Batch:	580-110747	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-110695	Lab File ID:	110695-110686.asc
Dilution:	5.0	Leach Batch:	580-110612	Initial Weight/Volume:	50 mL
Analysis Date:	05/04/2012 1834	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1130				
Leach Date:	05/03/2012 1316				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	0.0051 J	ND	NC		
Barium	0.59	0.570	3.7		
Cadmium	0.0026 J	ND	NC		
Chromium	0.0060 J	ND	NC		
Lead	0.014 J	0.0190	NC		J
Selenium	0.0061 J	0.0370	NC		J
Silver	ND	ND	NC		

Duplicate - Batch: 580-110695

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID:	580-32525-9	Analysis Batch:	580-110747	Instrument ID:	TAC047
Client Matrix:	Solid	Prep Batch:	580-110695	Lab File ID:	110695-110686.asc
Dilution:	1.0	Leach Batch:	580-110612	Initial Weight/Volume:	50 mL
Analysis Date:	05/04/2012 1846	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1130				
Leach Date:	05/03/2012 1316				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	0.0051 J	0.00510	0	20	J
Barium	0.59	0.609	3	20	
Cadmium	0.0026 J	0.00270	4	20	J
Chromium	0.0060 J	0.00400	40	20	J
Lead	0.014 J	0.0150	4	20	J
Selenium	0.0061 J	0.00620	2	20	J
Silver	ND	ND	NC	20	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Method Blank - Batch: 580-110511

Lab Sample ID: MB 580-110395/1-C
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/02/2012 1553
 Prep Date: 05/02/2012 1342
 Leach Date: 05/01/2012 1215

Analysis Batch: 580-110545
 Prep Batch: 580-110511
 Leach Batch: 580-110395
 Units: mg/L

**Method: 7470A
 Preparation: 7470A
 TCLP**

Instrument ID: TAC103
 Lab File ID: 110511-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00041	0.0020

Method Blank - Batch: 580-110511

Lab Sample ID: MB 580-110395/21-C
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/02/2012 1602
 Prep Date: 05/02/2012 1345
 Leach Date: 05/01/2012 1412

Analysis Batch: 580-110545
 Prep Batch: 580-110511
 Leach Batch: 580-110395
 Units: mg/L

**Method: 7470A
 Preparation: 7470A
 TCLP**

Instrument ID: TAC103
 Lab File ID: 110511-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00041	0.0020

LCS-Certified Reference Material - Batch: 580-110511

Lab Sample ID: LCSSRM
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/02/2012 1600
 Prep Date: 05/02/2012 1431
 Leach Date: N/A

Analysis Batch: 580-110545
 Prep Batch: 580-110511
 Leach Batch: N/A
 Units: mg/L

**Method: 7470A
 Preparation: 7470A**

Instrument ID: TAC103
 Lab File ID: 110511-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.0200	0.0185	92	75 - 125	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-110511**

**Method: 7470A
Preparation: 7470A
TCLP**

LCS Lab Sample ID:	LCS 580-110395/2-C	Analysis Batch:	580-110545	Instrument ID:	TAC103
Client Matrix:	Solid	Prep Batch:	580-110511	Lab File ID:	110511-HG.CSV
Dilution:	1.0	Leach Batch:	580-110395	Initial Weight/Volume:	5 mL
Analysis Date:	05/02/2012 1555	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/02/2012 1342				
Leach Date:	05/01/2012 1215				

LCSD Lab Sample ID:	LCSD 580-110395/3-C	Analysis Batch:	580-110545	Instrument ID:	TAC103
Client Matrix:	Solid	Prep Batch:	580-110511	Lab File ID:	110511-HG.CSV
Dilution:	1.0	Leach Batch:	580-110395	Initial Weight/Volume:	5 mL
Analysis Date:	05/02/2012 1557	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/02/2012 1345				
Leach Date:	05/01/2012 1215				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Mercury	95	93	80 - 120	2	20		

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-110511**

**Method: 7470A
Preparation: 7470A
TCLP**

LCS Lab Sample ID:	LCS 580-110395/2-C	Units:	mg/L	LCSD Lab Sample ID:	LCSD 580-110395/3-C
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/02/2012 1555			Analysis Date:	05/02/2012 1557
Prep Date:	05/02/2012 1342			Prep Date:	05/02/2012 1345
Leach Date:	05/01/2012 1215			Leach Date:	05/01/2012 1215

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	0.0200	0.0200	0.0189	0.0186

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Method Blank - Batch: 580-110614

**Method: 7470A
Preparation: 7470A**

Lab Sample ID:	MB 580-110614/15-A	Analysis Batch:	580-110717	Instrument ID:	TAC103
Client Matrix:	Water	Prep Batch:	580-110614	Lab File ID:	110614-HG.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/04/2012 1244	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1045				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00041	0.0020

LCS-Certified Reference Material - Batch: 580-110614

**Method: 7470A
Preparation: 7470A**

Lab Sample ID:	LCSSRM	Analysis Batch:	580-110717	Instrument ID:	TAC103
Client Matrix:	Water	Prep Batch:	580-110614	Lab File ID:	110614-HG.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/04/2012 1251	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1045				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.0200	0.0195	97	75 - 125	

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-110614**

**Method: 7470A
Preparation: 7470A**

LCS Lab Sample ID:	LCS 580-110614/16-A	Analysis Batch:	580-110717	Instrument ID:	TAC103
Client Matrix:	Water	Prep Batch:	580-110614	Lab File ID:	110614-HG.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/04/2012 1247	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1045				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 580-110614/17-A	Analysis Batch:	580-110717	Instrument ID:	TAC103
Client Matrix:	Water	Prep Batch:	580-110614	Lab File ID:	110614-HG.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/04/2012 1249	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/04/2012 1045				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Mercury	100	99	80 - 120	1	20		

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-110614**

**Method: 7470A
Preparation: 7470A**

LCS Lab Sample ID: LCS 580-110614/16-A Units: mg/L
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/04/2012 1247
 Prep Date: 05/04/2012 1045
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 580-110614/17-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/04/2012 1249
 Prep Date: 05/04/2012 1045
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	0.0200	0.0200	0.0200	0.0198

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-110614**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-32525-6
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/04/2012 1259
 Prep Date: 05/04/2012 1045
 Leach Date: 05/01/2012 1758

Analysis Batch: 580-110717
 Prep Batch: 580-110614
 Leach Batch: 580-110427

Instrument ID: TAC103
 Lab File ID: 110614-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 580-32525-6
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/04/2012 1301
 Prep Date: 05/04/2012 1045
 Leach Date: 05/01/2012 1758

Analysis Batch: 580-110717
 Prep Batch: 580-110614
 Leach Batch: 580-110427

Instrument ID: TAC103
 Lab File ID: 110614-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	105	108	80 - 120	4	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-110614**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-32525-6 Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/04/2012 1259
 Prep Date: 05/04/2012 1045
 Leach Date: 05/01/2012 1758

MSD Lab Sample ID: 580-32525-6
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/04/2012 1301
 Prep Date: 05/04/2012 1045
 Leach Date: 05/01/2012 1758

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	ND	0.0200	0.0200	0.0209	0.0217

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Duplicate - Batch: 580-110614

**Method: 7470A
Preparation: 7470A
TCLP**

Lab Sample ID: 580-32525-6
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/04/2012 1256
 Prep Date: 05/04/2012 1045
 Leach Date: 05/01/2012 1758

Analysis Batch: 580-110717
 Prep Batch: 580-110614
 Leach Batch: 580-110427
 Units: mg/L

Instrument ID: TAC103
 Lab File ID: 110614-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	ND	ND	NC	20	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Method Blank - Batch: 580-110697

Lab Sample ID: MB 580-110612/1-B
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/04/2012 1426
 Prep Date: 05/04/2012 1101
 Leach Date: 05/03/2012 1316

Analysis Batch: 580-110759
 Prep Batch: 580-110697
 Leach Batch: 580-110612
 Units: mg/L

**Method: 7470A
 Preparation: 7470A
 TCLP**

Instrument ID: TAC103
 Lab File ID: 050412-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00041	0.0020

LCS-Certified Reference Material - Batch: 580-110697

Lab Sample ID: LCSSRM
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/04/2012 1433
 Prep Date: 05/04/2012 1101
 Leach Date: N/A

Analysis Batch: 580-110759
 Prep Batch: 580-110697
 Leach Batch: N/A
 Units: mg/L

**Method: 7470A
 Preparation: 7470A**

Instrument ID: TAC103
 Lab File ID: 050412-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.0200	0.0182	91	75 - 125	

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 580-110697**

LCS Lab Sample ID: LCS 580-110612/2-B
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/04/2012 1428
 Prep Date: 05/04/2012 1101
 Leach Date: 05/03/2012 1316

Analysis Batch: 580-110759
 Prep Batch: 580-110697
 Leach Batch: 580-110612
 Units: mg/L

**Method: 7470A
 Preparation: 7470A
 TCLP**

Instrument ID: TAC103
 Lab File ID: 050412-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 580-110612/3-B
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/04/2012 1430
 Prep Date: 05/04/2012 1101
 Leach Date: 05/03/2012 1316

Analysis Batch: 580-110759
 Prep Batch: 580-110697
 Leach Batch: 580-110612
 Units: mg/L

Instrument ID: TAC103
 Lab File ID: 050412-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Mercury	90	92	80 - 120	2	20		

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-110697**

**Method: 7470A
Preparation: 7470A
TCLP**

LCS Lab Sample ID: LCS 580-110612/2-B Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/04/2012 1428
 Prep Date: 05/04/2012 1101
 Leach Date: 05/03/2012 1316

LCSD Lab Sample ID: LCSD 580-110612/3-B
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/04/2012 1430
 Prep Date: 05/04/2012 1101
 Leach Date: 05/03/2012 1316

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	0.0200	0.0200	0.0180	0.0184

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-110697**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-32525-9
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/04/2012 1440
 Prep Date: 05/04/2012 1101
 Leach Date: 05/03/2012 1316

Analysis Batch: 580-110759
 Prep Batch: 580-110697
 Leach Batch: 580-110612

Instrument ID: TAC103
 Lab File ID: 050412-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 580-32525-9
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/04/2012 1442
 Prep Date: 05/04/2012 1101
 Leach Date: 05/03/2012 1316

Analysis Batch: 580-110759
 Prep Batch: 580-110697
 Leach Batch: 580-110612

Instrument ID: TAC103
 Lab File ID: 050412-HG.CSV
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	98	97	80 - 120	2	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-110697**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-32525-9 Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/04/2012 1440
 Prep Date: 05/04/2012 1101
 Leach Date: 05/03/2012 1316

MSD Lab Sample ID: 580-32525-9
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/04/2012 1442
 Prep Date: 05/04/2012 1101
 Leach Date: 05/03/2012 1316

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	ND	0.0200	0.0200	0.0197	0.0193

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Duplicate - Batch: 580-110697

**Method: 7470A
Preparation: 7470A
TCLP**

Lab Sample ID: 580-32525-9
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/04/2012 1437
Prep Date: 05/04/2012 1101
Leach Date: 05/03/2012 1316

Analysis Batch: 580-110759
Prep Batch: 580-110697
Leach Batch: 580-110612
Units: mg/L

Instrument ID: TAC103
Lab File ID: 050412-HG.CSV
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	ND	ND	NC	20	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Duplicate - Batch: 580-110499

**Method: D 2216
Preparation: N/A**

Lab Sample ID:	580-32525-8	Analysis Batch:	580-110499	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/02/2012 1258	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	78	76	3	20	
Percent Moisture	22	24	10	20	

DATA REPORTING QUALIFIERS

Client: Science Applications International Corp

Job Number: 580-32525-1

Lab Section	Qualifier	Description
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 580-110395					
LCS 580-110395/2-B	Lab Control Sample	P	Solid	1311	
LCS 580-110395/2-C	Lab Control Sample	P	Solid	1311	
LCSD 580-110395/3-B	Lab Control Sample Duplicate	P	Solid	1311	
LCSD 580-110395/3-C	Lab Control Sample Duplicate	P	Solid	1311	
MB 580-110395/1-B	Method Blank	P	Solid	1311	
MB 580-110395/1-C	Method Blank	P	Solid	1311	
MB 580-110395/21-C	Method Blank	P	Solid	1311	
580-32525-7	TCLP-212	P	Solid	1311	
580-32525-8	TCLP-216	P	Solid	1311	
Prep Batch: 580-110427					
LCS 580-110427/2-B	Lab Control Sample	P	Solid	1311	
LCSD 580-110427/3-B	Lab Control Sample Duplicate	P	Solid	1311	
MB 580-110427/1-B	Method Blank	P	Solid	1311	
580-32525-1	TCLP-170	P	Solid	1311	
580-32525-2	TCLP-172	P	Solid	1311	
580-32525-3	TCLP-173	P	Solid	1311	
580-32525-4	TCLP-176	P	Solid	1311	
580-32525-5	TCLP-208	P	Solid	1311	
580-32525-6	TCLP-210	P	Solid	1311	
580-32525-6DU	Duplicate	P	Solid	1311	
580-32525-6MS	Matrix Spike	P	Solid	1311	
580-32525-6MSD	Matrix Spike Duplicate	P	Solid	1311	
Prep Batch: 580-110509					
LCSSRM 580-110509/24-A	LCS-Certified Reference Material	T	Water	3010A	
LCS 580-110395/2-B	Lab Control Sample	P	Solid	3010A	580-110395
LCSD 580-110395/3-B	Lab Control Sample Duplicate	P	Solid	3010A	580-110395
MB 580-110395/1-B	Method Blank	P	Solid	3010A	580-110395
580-32525-7	TCLP-212	P	Solid	3010A	580-110395
580-32525-8	TCLP-216	P	Solid	3010A	580-110395
Prep Batch: 580-110511					
LCSSRM 580-110511/17-A	LCS-Certified Reference Material	T	Water	7470A	
LCS 580-110395/2-C	Lab Control Sample	P	Solid	7470A	580-110395
LCSD 580-110395/3-C	Lab Control Sample Duplicate	P	Solid	7470A	580-110395
MB 580-110395/1-C	Method Blank	P	Solid	7470A	580-110395
MB 580-110395/21-C	Method Blank	P	Solid	7470A	580-110395
580-32525-7	TCLP-212	P	Solid	7470A	580-110395
580-32525-8	TCLP-216	P	Solid	7470A	580-110395

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Analysis Batch:580-110545					
LCS 580-110395/2-C	Lab Control Sample	P	Solid	7470A	580-110511
LCSD 580-110395/3-C	Lab Control Sample Duplicate	P	Solid	7470A	580-110511
MB 580-110395/1-C	Method Blank	P	Solid	7470A	580-110511
MB 580-110395/21-C	Method Blank	P	Solid	7470A	580-110511
LCSSRM 580-110511/17-A	LCS-Certified Reference Material	T	Water	7470A	580-110511
580-32525-7	TCLP-212	P	Solid	7470A	580-110511
580-32525-8	TCLP-216	P	Solid	7470A	580-110511
Analysis Batch:580-110549					
LCS 580-110395/2-B	Lab Control Sample	P	Solid	6010B	580-110509
LCSD 580-110395/3-B	Lab Control Sample Duplicate	P	Solid	6010B	580-110509
MB 580-110395/1-B	Method Blank	P	Solid	6010B	580-110509
LCSSRM 580-110509/24-A	LCS-Certified Reference Material	T	Water	6010B	580-110509
580-32525-7	TCLP-212	P	Solid	6010B	580-110509
580-32525-8	TCLP-216	P	Solid	6010B	580-110509
Prep Batch: 580-110609					
LCSSRM 580-110609/18-A	LCS-Certified Reference Material	T	Water	3010A	
LCS 580-110427/2-B	Lab Control Sample	P	Solid	3010A	580-110427
LCSD 580-110427/3-B	Lab Control Sample Duplicate	P	Solid	3010A	580-110427
MB 580-110427/1-B	Method Blank	P	Solid	3010A	580-110427
580-32525-1	TCLP-170	P	Solid	3010A	580-110427
580-32525-2	TCLP-172	P	Solid	3010A	580-110427
580-32525-3	TCLP-173	P	Solid	3010A	580-110427
580-32525-4	TCLP-176	P	Solid	3010A	580-110427
580-32525-5	TCLP-208	P	Solid	3010A	580-110427
580-32525-6	TCLP-210	P	Solid	3010A	580-110427
580-32525-6DU	Duplicate	P	Solid	3010A	580-110427
580-32525-6MS	Matrix Spike	P	Solid	3010A	580-110427
580-32525-6MSD	Matrix Spike Duplicate	P	Solid	3010A	580-110427

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 580-110612					
LCS 580-110612/2-B	Lab Control Sample	P	Solid	1311	
LCS 580-110612/2-C	Lab Control Sample	P	Solid	1311	
LCSD 580-110612/3-B	Lab Control Sample Duplicate	P	Solid	1311	
LCSD 580-110612/3-C	Lab Control Sample Duplicate	P	Solid	1311	
MB 580-110612/1-B	Method Blank	P	Solid	1311	
MB 580-110612/1-C	Method Blank	P	Solid	1311	
580-32525-9	TCLP-219	P	Solid	1311	
580-32525-9DU	Duplicate	P	Solid	1311	
580-32525-9MS	Matrix Spike	P	Solid	1311	
580-32525-9MSD	Matrix Spike Duplicate	P	Solid	1311	
580-32525-10	TCLP-221	P	Solid	1311	
580-32525-11	TCLP-223	P	Solid	1311	
580-32525-12	TCLP-239	P	Solid	1311	
580-32525-13	TCLP-240	P	Solid	1311	
580-32525-14	TCLP-245	P	Solid	1311	
580-32525-15	TCLP-246	P	Solid	1311	
Prep Batch: 580-110614					
LCS 580-110614/16-A	Lab Control Sample	T	Water	7470A	
LCSD 580-110614/17-A	Lab Control Sample Duplicate	T	Water	7470A	
LCSSRM 580-110614/18-A	LCS-Certified Reference Material	T	Water	7470A	
MB 580-110614/15-A	Method Blank	T	Water	7470A	
580-32525-1	TCLP-170	P	Solid	7470A	580-110427
580-32525-2	TCLP-172	P	Solid	7470A	580-110427
580-32525-3	TCLP-173	P	Solid	7470A	580-110427
580-32525-4	TCLP-176	P	Solid	7470A	580-110427
580-32525-5	TCLP-208	P	Solid	7470A	580-110427
580-32525-6	TCLP-210	P	Solid	7470A	580-110427
580-32525-6DU	Duplicate	P	Solid	7470A	580-110427
580-32525-6MS	Matrix Spike	P	Solid	7470A	580-110427
580-32525-6MSD	Matrix Spike Duplicate	P	Solid	7470A	580-110427

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Analysis Batch:580-110648					
LCS 580-110427/2-B	Lab Control Sample	P	Solid	6010B	580-110609
LCSD 580-110427/3-B	Lab Control Sample Duplicate	P	Solid	6010B	580-110609
MB 580-110427/1-B	Method Blank	P	Solid	6010B	580-110609
LCSSRM 580-110609/18-A	LCS-Certified Reference Material	T	Water	6010B	580-110609
580-32525-1	TCLP-170	P	Solid	6010B	580-110609
580-32525-2	TCLP-172	P	Solid	6010B	580-110609
580-32525-3	TCLP-173	P	Solid	6010B	580-110609
580-32525-4	TCLP-176	P	Solid	6010B	580-110609
580-32525-5	TCLP-208	P	Solid	6010B	580-110609
580-32525-6	TCLP-210	P	Solid	6010B	580-110609
580-32525-6DU	Duplicate	P	Solid	6010B	580-110609
580-32525-6MS	Matrix Spike	P	Solid	6010B	580-110609
580-32525-6MSD	Matrix Spike Duplicate	P	Solid	6010B	580-110609
Prep Batch: 580-110695					
LCSSRM 580-110695/19-A	LCS-Certified Reference Material	T	Water	3010A	
LCS 580-110612/2-C	Lab Control Sample	P	Solid	3010A	580-110612
LCSD 580-110612/3-C	Lab Control Sample Duplicate	P	Solid	3010A	580-110612
MB 580-110612/1-C	Method Blank	P	Solid	3010A	580-110612
580-32525-9	TCLP-219	P	Solid	3010A	580-110612
580-32525-9DU	Duplicate	P	Solid	3010A	580-110612
580-32525-9MS	Matrix Spike	P	Solid	3010A	580-110612
580-32525-9MSD	Matrix Spike Duplicate	P	Solid	3010A	580-110612
580-32525-10	TCLP-221	P	Solid	3010A	580-110612
580-32525-11	TCLP-223	P	Solid	3010A	580-110612
580-32525-12	TCLP-239	P	Solid	3010A	580-110612
580-32525-13	TCLP-240	P	Solid	3010A	580-110612
580-32525-14	TCLP-245	P	Solid	3010A	580-110612
580-32525-15	TCLP-246	P	Solid	3010A	580-110612
Prep Batch: 580-110697					
LCSSRM 580-110697/16-A	LCS-Certified Reference Material	T	Water	7470A	
LCS 580-110612/2-B	Lab Control Sample	P	Solid	7470A	580-110612
LCSD 580-110612/3-B	Lab Control Sample Duplicate	P	Solid	7470A	580-110612
MB 580-110612/1-B	Method Blank	P	Solid	7470A	580-110612
580-32525-9	TCLP-219	P	Solid	7470A	580-110612
580-32525-9DU	Duplicate	P	Solid	7470A	580-110612
580-32525-9MS	Matrix Spike	P	Solid	7470A	580-110612
580-32525-9MSD	Matrix Spike Duplicate	P	Solid	7470A	580-110612
580-32525-10	TCLP-221	P	Solid	7470A	580-110612
580-32525-11	TCLP-223	P	Solid	7470A	580-110612
580-32525-12	TCLP-239	P	Solid	7470A	580-110612
580-32525-13	TCLP-240	P	Solid	7470A	580-110612
580-32525-14	TCLP-245	P	Solid	7470A	580-110612
580-32525-15	TCLP-246	P	Solid	7470A	580-110612

TestAmerica Seattle

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Analysis Batch:580-110717					
LCS 580-110614/16-A	Lab Control Sample	T	Water	7470A	580-110614
LCSD 580-110614/17-A	Lab Control Sample Duplicate	T	Water	7470A	580-110614
LCSSRM 580-110614/18-A	LCS-Certified Reference Material	T	Water	7470A	580-110614
MB 580-110614/15-A	Method Blank	T	Water	7470A	580-110614
580-32525-1	TCLP-170	P	Solid	7470A	580-110614
580-32525-2	TCLP-172	P	Solid	7470A	580-110614
580-32525-3	TCLP-173	P	Solid	7470A	580-110614
580-32525-4	TCLP-176	P	Solid	7470A	580-110614
580-32525-5	TCLP-208	P	Solid	7470A	580-110614
580-32525-6	TCLP-210	P	Solid	7470A	580-110614
580-32525-6DU	Duplicate	P	Solid	7470A	580-110614
580-32525-6MS	Matrix Spike	P	Solid	7470A	580-110614
580-32525-6MSD	Matrix Spike Duplicate	P	Solid	7470A	580-110614
Analysis Batch:580-110747					
LCS 580-110612/2-C	Lab Control Sample	P	Solid	6010B	580-110695
LCSD 580-110612/3-C	Lab Control Sample Duplicate	P	Solid	6010B	580-110695
MB 580-110612/1-C	Method Blank	P	Solid	6010B	580-110695
LCSSRM 580-110695/19-A	LCS-Certified Reference Material	T	Water	6010B	580-110695
580-32525-9	TCLP-219	P	Solid	6010B	580-110695
580-32525-9DU	Duplicate	P	Solid	6010B	580-110695
580-32525-9MS	Matrix Spike	P	Solid	6010B	580-110695
580-32525-9MSD	Matrix Spike Duplicate	P	Solid	6010B	580-110695
580-32525-10	TCLP-221	P	Solid	6010B	580-110695
580-32525-11	TCLP-223	P	Solid	6010B	580-110695
580-32525-12	TCLP-239	P	Solid	6010B	580-110695
580-32525-13	TCLP-240	P	Solid	6010B	580-110695
580-32525-14	TCLP-245	P	Solid	6010B	580-110695
580-32525-15	TCLP-246	P	Solid	6010B	580-110695
Analysis Batch:580-110759					
LCS 580-110612/2-B	Lab Control Sample	P	Solid	7470A	580-110697
LCSD 580-110612/3-B	Lab Control Sample Duplicate	P	Solid	7470A	580-110697
MB 580-110612/1-B	Method Blank	P	Solid	7470A	580-110697
LCSSRM 580-110697/16-A	LCS-Certified Reference Material	T	Water	7470A	580-110697
580-32525-9	TCLP-219	P	Solid	7470A	580-110697
580-32525-9DU	Duplicate	P	Solid	7470A	580-110697
580-32525-9MS	Matrix Spike	P	Solid	7470A	580-110697
580-32525-9MSD	Matrix Spike Duplicate	P	Solid	7470A	580-110697
580-32525-10	TCLP-221	P	Solid	7470A	580-110697
580-32525-11	TCLP-223	P	Solid	7470A	580-110697
580-32525-12	TCLP-239	P	Solid	7470A	580-110697
580-32525-13	TCLP-240	P	Solid	7470A	580-110697
580-32525-14	TCLP-245	P	Solid	7470A	580-110697
580-32525-15	TCLP-246	P	Solid	7470A	580-110697

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Report Basis					
P = TCLP					
T = Total					
General Chemistry					
Analysis Batch:580-110495					
580-32525-1	TCLP-170	T	Solid	D 2216	
580-32525-2	TCLP-172	T	Solid	D 2216	
580-32525-3	TCLP-173	T	Solid	D 2216	
580-32525-4	TCLP-176	T	Solid	D 2216	
580-32525-5	TCLP-208	T	Solid	D 2216	
580-32525-6	TCLP-210	T	Solid	D 2216	
580-32525-7	TCLP-212	T	Solid	D 2216	
Analysis Batch:580-110499					
580-32525-8	TCLP-216	T	Solid	D 2216	
580-32525-8DU	Duplicate	T	Solid	D 2216	
580-32525-9	TCLP-219	T	Solid	D 2216	
580-32525-10	TCLP-221	T	Solid	D 2216	
580-32525-11	TCLP-223	T	Solid	D 2216	
580-32525-12	TCLP-239	T	Solid	D 2216	
580-32525-13	TCLP-240	T	Solid	D 2216	
580-32525-14	TCLP-245	T	Solid	D 2216	
580-32525-15	TCLP-246	T	Solid	D 2216	
Analysis Batch:580-110531					
580-32525-1	TCLP-170	T	Solid	9045C	
580-32525-2	TCLP-172	T	Solid	9045C	
580-32525-3	TCLP-173	T	Solid	9045C	
580-32525-4	TCLP-176	T	Solid	9045C	
580-32525-5	TCLP-208	T	Solid	9045C	
580-32525-6	TCLP-210	T	Solid	9045C	
580-32525-7	TCLP-212	T	Solid	9045C	
580-32525-8	TCLP-216	T	Solid	9045C	
580-32525-9	TCLP-219	T	Solid	9045C	
580-32525-10	TCLP-221	T	Solid	9045C	
580-32525-11	TCLP-223	T	Solid	9045C	
580-32525-12	TCLP-239	T	Solid	9045C	
580-32525-13	TCLP-240	T	Solid	9045C	
580-32525-14	TCLP-245	T	Solid	9045C	
580-32525-15	TCLP-246	T	Solid	9045C	

Report Basis

T = Total

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Laboratory Chronicle

Lab ID: 580-32525-1

Client ID: TCLP-170

Sample Date/Time: 04/24/2012 12:05

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-32525-A-1-D		580-110648	580-110609	05/03/2012 13:02	1	TAL SEA	PAB
A:6010B	580-32525-A-1-D		580-110648	580-110609	05/03/2012 20:13	1	TAL SEA	SP
P:7470A	580-32525-A-1-E		580-110717	580-110614	05/04/2012 10:45	1	TAL SEA	PAB
A:7470A	580-32525-A-1-E		580-110717	580-110614	05/04/2012 13:03	1	TAL SEA	FCW
A:9045C	580-32525-A-1		580-110531		05/02/2012 12:19	1	TAL SEA	JP
A:D 2216	580-32525-A-1		580-110495		05/02/2012 12:15	1	TAL SEA	RD

Lab ID: 580-32525-2

Client ID: TCLP-172

Sample Date/Time: 04/24/2012 12:20

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-32525-A-2-D		580-110648	580-110609	05/03/2012 13:02	1	TAL SEA	PAB
A:6010B	580-32525-A-2-D		580-110648	580-110609	05/03/2012 20:20	1	TAL SEA	SP
P:7470A	580-32525-A-2-E		580-110717	580-110614	05/04/2012 10:45	1	TAL SEA	PAB
A:7470A	580-32525-A-2-E		580-110717	580-110614	05/04/2012 13:06	1	TAL SEA	FCW
A:9045C	580-32525-A-2		580-110531		05/02/2012 12:21	1	TAL SEA	JP
A:D 2216	580-32525-A-2		580-110495		05/02/2012 12:15	1	TAL SEA	RD

Lab ID: 580-32525-3

Client ID: TCLP-173

Sample Date/Time: 04/24/2012 13:00

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-32525-A-3-C		580-110648	580-110609	05/03/2012 13:02	1	TAL SEA	PAB
A:6010B	580-32525-A-3-C		580-110648	580-110609	05/03/2012 20:26	1	TAL SEA	SP
P:7470A	580-32525-A-3-D		580-110717	580-110614	05/04/2012 10:45	1	TAL SEA	PAB
A:7470A	580-32525-A-3-D		580-110717	580-110614	05/04/2012 13:22	1	TAL SEA	FCW
A:9045C	580-32525-A-3		580-110531		05/02/2012 12:23	1	TAL SEA	JP
A:D 2216	580-32525-A-3		580-110495		05/02/2012 12:15	1	TAL SEA	RD

Lab ID: 580-32525-4

Client ID: TCLP-176

Sample Date/Time: 04/24/2012 13:15

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-32525-A-4-C		580-110648	580-110609	05/03/2012 13:02	1	TAL SEA	PAB
A:6010B	580-32525-A-4-C		580-110648	580-110609	05/03/2012 20:32	1	TAL SEA	SP
P:7470A	580-32525-A-4-D		580-110717	580-110614	05/04/2012 10:45	1	TAL SEA	PAB
A:7470A	580-32525-A-4-D		580-110717	580-110614	05/04/2012 13:24	1	TAL SEA	FCW
A:9045C	580-32525-A-4		580-110531		05/02/2012 12:25	1	TAL SEA	JP
A:D 2216	580-32525-A-4		580-110495		05/02/2012 12:15	1	TAL SEA	RD

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Laboratory Chronicle

Lab ID: 580-32525-5

Client ID: TCLP-208

Sample Date/Time: 04/24/2012 14:25

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-32525-A-5-C		580-110648	580-110609	05/03/2012	13:02	1	TAL SEA	PAB
A:6010B	580-32525-A-5-C		580-110648	580-110609	05/03/2012	20:39	1	TAL SEA	SP
P:7470A	580-32525-A-5-D		580-110717	580-110614	05/04/2012	10:45	1	TAL SEA	PAB
A:7470A	580-32525-A-5-D		580-110717	580-110614	05/04/2012	13:17	1	TAL SEA	FCW
A:9045C	580-32525-A-5		580-110531		05/02/2012	12:40	1	TAL SEA	JP
A:D 2216	580-32525-A-5		580-110495		05/02/2012	12:15	1	TAL SEA	RD

Lab ID: 580-32525-6

Client ID: TCLP-210

Sample Date/Time: 04/24/2012 14:05

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-32525-A-6-C		580-110648	580-110609	05/03/2012	13:02	1	TAL SEA	PAB
A:6010B	580-32525-A-6-C		580-110648	580-110609	05/03/2012	19:31	1	TAL SEA	SP
P:7470A	580-32525-A-6-G		580-110717	580-110614	05/04/2012	10:45	1	TAL SEA	PAB
A:7470A	580-32525-A-6-G		580-110717	580-110614	05/04/2012	12:54	1	TAL SEA	FCW
A:9045C	580-32525-A-6		580-110531		05/02/2012	13:55	1	TAL SEA	JP
A:D 2216	580-32525-A-6		580-110495		05/02/2012	12:15	1	TAL SEA	RD

Lab ID: 580-32525-6 MS

Client ID: TCLP-210

Sample Date/Time: 04/24/2012 14:05

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-32525-A-6-E MS		580-110648	580-110609	05/03/2012	13:02	1	TAL SEA	PAB
A:6010B	580-32525-A-6-E MS		580-110648	580-110609	05/03/2012	19:43	1	TAL SEA	SP
P:7470A	580-32525-A-6-I MS		580-110717	580-110614	05/04/2012	10:45	1	TAL SEA	PAB
A:7470A	580-32525-A-6-I MS		580-110717	580-110614	05/04/2012	12:59	1	TAL SEA	FCW

Lab ID: 580-32525-6 MSD

Client ID: TCLP-210

Sample Date/Time: 04/24/2012 14:05

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-32525-A-6-F MSD		580-110648	580-110609	05/03/2012	13:02	1	TAL SEA	PAB
A:6010B	580-32525-A-6-F MSD		580-110648	580-110609	05/03/2012	19:49	1	TAL SEA	SP
P:7470A	580-32525-A-6-J MSD		580-110717	580-110614	05/04/2012	10:45	1	TAL SEA	PAB
A:7470A	580-32525-A-6-J MSD		580-110717	580-110614	05/04/2012	13:01	1	TAL SEA	FCW

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Laboratory Chronicle

Lab ID: 580-32525-6 DU

Client ID: TCLP-210

Sample Date/Time: 04/24/2012 14:05

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-32525-A-6-D DU		580-110648	580-110609	05/03/2012 13:02	1	TAL SEA	PAB
A:6010B	580-32525-A-6-D DU		580-110648	580-110609	05/03/2012 19:37	1	TAL SEA	SP
P:7470A	580-32525-A-6-H DU		580-110717	580-110614	05/04/2012 10:45	1	TAL SEA	PAB
A:7470A	580-32525-A-6-H DU		580-110717	580-110614	05/04/2012 12:56	1	TAL SEA	FCW

Lab ID: 580-32525-6 SD

Client ID: TCLP-210

Sample Date/Time: 04/24/2012 14:05

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-32525-A-6-C SD		580-110648	580-110609	05/03/2012 13:02	1	TAL SEA	PAB
A:6010B	580-32525-A-6-C SD		580-110648	580-110609	05/03/2012 19:24	1	TAL SEA	SP
P:3010A	580-32525-A-6-C PDS		580-110648	580-110609	05/03/2012 13:02	1	TAL SEA	PAB
A:6010B	580-32525-A-6-C PDS		580-110648	580-110609	05/03/2012 19:55	1	TAL SEA	SP

Lab ID: 580-32525-7

Client ID: TCLP-212

Sample Date/Time: 04/24/2012 14:45

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-32525-A-7-B		580-110549	580-110509	05/02/2012 13:28	1	TAL SEA	PAB
A:6010B	580-32525-A-7-B		580-110549	580-110509	05/02/2012 21:42	1	TAL SEA	SP
P:7470A	580-32525-A-7-C		580-110545	580-110511	05/02/2012 13:42	1	TAL SEA	PAB
A:7470A	580-32525-A-7-C		580-110545	580-110511	05/02/2012 16:31	1	TAL SEA	PAB
A:9045C	580-32525-A-7		580-110531		05/02/2012 13:58	1	TAL SEA	JP
A:D 2216	580-32525-A-7		580-110495		05/02/2012 12:15	1	TAL SEA	RD

Lab ID: 580-32525-8

Client ID: TCLP-216

Sample Date/Time: 04/24/2012 15:15

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-32525-A-8-B		580-110549	580-110509	05/02/2012 13:28	1	TAL SEA	PAB
A:6010B	580-32525-A-8-B		580-110549	580-110509	05/02/2012 21:48	1	TAL SEA	SP
P:7470A	580-32525-A-8-C		580-110545	580-110511	05/02/2012 13:42	1	TAL SEA	PAB
A:7470A	580-32525-A-8-C		580-110545	580-110511	05/02/2012 16:34	1	TAL SEA	PAB
A:9045C	580-32525-A-8		580-110531		05/02/2012 14:00	1	TAL SEA	JP
A:D 2216	580-32525-A-8		580-110499		05/02/2012 12:58	1	TAL SEA	RD

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Laboratory Chronicle

Lab ID: 580-32525-8 DU

Client ID: TCLP-216

Sample Date/Time: 04/24/2012 15:15

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:D 2216	580-32525-A-8 DU		580-110499		05/02/2012 12:58	1	TAL SEA	RD

Lab ID: 580-32525-9

Client ID: TCLP-219

Sample Date/Time: 04/24/2012 15:30

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-32525-A-9-B		580-110747	580-110695	05/04/2012 11:30	1	TAL SEA	ZF
A:6010B	580-32525-A-9-B		580-110747	580-110695	05/04/2012 18:40	1	TAL SEA	SP
P:7470A	580-32525-A-9-F		580-110759	580-110697	05/04/2012 11:01	1	TAL SEA	ZF
A:7470A	580-32525-A-9-F		580-110759	580-110697	05/04/2012 14:35	1	TAL SEA	PAB
A:9045C	580-32525-A-9		580-110531		05/02/2012 14:02	1	TAL SEA	JP
A:D 2216	580-32525-A-9		580-110499		05/02/2012 12:58	1	TAL SEA	RD

Lab ID: 580-32525-9 MS

Client ID: TCLP-219

Sample Date/Time: 04/24/2012 15:30

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-32525-A-9-D MS		580-110747	580-110695	05/04/2012 11:30	1	TAL SEA	ZF
A:6010B	580-32525-A-9-D MS		580-110747	580-110695	05/04/2012 18:53	1	TAL SEA	SP
P:7470A	580-32525-A-9-H MS		580-110759	580-110697	05/04/2012 11:01	1	TAL SEA	ZF
A:7470A	580-32525-A-9-H MS		580-110759	580-110697	05/04/2012 14:40	1	TAL SEA	PAB

Lab ID: 580-32525-9 MSD

Client ID: TCLP-219

Sample Date/Time: 04/24/2012 15:30

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-32525-A-9-E MSD		580-110747	580-110695	05/04/2012 11:30	1	TAL SEA	ZF
A:6010B	580-32525-A-9-E MSD		580-110747	580-110695	05/04/2012 18:59	1	TAL SEA	SP
P:7470A	580-32525-A-9-I MSD		580-110759	580-110697	05/04/2012 11:01	1	TAL SEA	ZF
A:7470A	580-32525-A-9-I MSD		580-110759	580-110697	05/04/2012 14:42	1	TAL SEA	PAB

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Laboratory Chronicle

Lab ID: 580-32525-9 DU

Client ID: TCLP-219

Sample Date/Time: 04/24/2012 15:30

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-32525-A-9-C DU		580-110747	580-110695	05/04/2012	11:30	1	TAL SEA	ZF
A:6010B	580-32525-A-9-C DU		580-110747	580-110695	05/04/2012	18:46	1	TAL SEA	SP
P:7470A	580-32525-A-9-G DU		580-110759	580-110697	05/04/2012	11:01	1	TAL SEA	ZF
A:7470A	580-32525-A-9-G DU		580-110759	580-110697	05/04/2012	14:37	1	TAL SEA	PAB

Lab ID: 580-32525-9 SD

Client ID: TCLP-219

Sample Date/Time: 04/24/2012 15:30

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-32525-A-9-B SD		580-110747	580-110695	05/04/2012	11:30	5	TAL SEA	ZF
A:6010B	580-32525-A-9-B SD		580-110747	580-110695	05/04/2012	18:34	5	TAL SEA	SP
P:3010A	580-32525-A-9-B PDS		580-110747	580-110695	05/04/2012	11:30	1	TAL SEA	ZF
A:6010B	580-32525-A-9-B PDS		580-110747	580-110695	05/04/2012	19:05	1	TAL SEA	SP

Lab ID: 580-32525-10

Client ID: TCLP-221

Sample Date/Time: 04/24/2012 15:45

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-32525-A-10-B		580-110747	580-110695	05/04/2012	11:30	1	TAL SEA	ZF
A:6010B	580-32525-A-10-B		580-110747	580-110695	05/04/2012	19:23	1	TAL SEA	SP
P:7470A	580-32525-A-10-C		580-110759	580-110697	05/04/2012	11:01	1	TAL SEA	ZF
A:7470A	580-32525-A-10-C		580-110759	580-110697	05/04/2012	14:44	1	TAL SEA	PAB
A:9045C	580-32525-A-10		580-110531		05/02/2012	14:04	1	TAL SEA	JP
A:D 2216	580-32525-A-10		580-110499		05/02/2012	12:58	1	TAL SEA	RD

Lab ID: 580-32525-11

Client ID: TCLP-223

Sample Date/Time: 04/24/2012 16:00

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-32525-A-11-B		580-110747	580-110695	05/04/2012	11:30	1	TAL SEA	ZF
A:6010B	580-32525-A-11-B		580-110747	580-110695	05/04/2012	19:29	1	TAL SEA	SP
P:7470A	580-32525-A-11-C		580-110759	580-110697	05/04/2012	11:01	1	TAL SEA	ZF
A:7470A	580-32525-A-11-C		580-110759	580-110697	05/04/2012	14:47	1	TAL SEA	PAB
A:9045C	580-32525-A-11		580-110531		05/02/2012	14:07	1	TAL SEA	JP
A:D 2216	580-32525-A-11		580-110499		05/02/2012	12:58	1	TAL SEA	RD

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Laboratory Chronicle

Lab ID: 580-32525-12

Client ID: TCLP-239

Sample Date/Time: 04/24/2012 16:15

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-32525-A-12-B		580-110747	580-110695	05/04/2012 11:30	1	TAL SEA	ZF
A:6010B	580-32525-A-12-B		580-110747	580-110695	05/04/2012 19:35	1	TAL SEA	SP
P:7470A	580-32525-A-12-C		580-110759	580-110697	05/04/2012 11:01	1	TAL SEA	ZF
A:7470A	580-32525-A-12-C		580-110759	580-110697	05/04/2012 15:13	1	TAL SEA	PAB
A:9045C	580-32525-A-12		580-110531		05/02/2012 14:10	1	TAL SEA	JP
A:D 2216	580-32525-A-12		580-110499		05/02/2012 12:58	1	TAL SEA	RD

Lab ID: 580-32525-13

Client ID: TCLP-240

Sample Date/Time: 04/24/2012 16:30

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-32525-A-13-B		580-110747	580-110695	05/04/2012 11:30	1	TAL SEA	ZF
A:6010B	580-32525-A-13-B		580-110747	580-110695	05/04/2012 19:42	1	TAL SEA	SP
P:7470A	580-32525-A-13-C		580-110759	580-110697	05/04/2012 11:01	1	TAL SEA	ZF
A:7470A	580-32525-A-13-C		580-110759	580-110697	05/04/2012 14:56	1	TAL SEA	PAB
A:9045C	580-32525-A-13		580-110531		05/02/2012 14:12	1	TAL SEA	JP
A:D 2216	580-32525-A-13		580-110499		05/02/2012 12:58	1	TAL SEA	RD

Lab ID: 580-32525-14

Client ID: TCLP-245

Sample Date/Time: 04/24/2012 16:45

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-32525-A-14-B		580-110747	580-110695	05/04/2012 11:30	1	TAL SEA	ZF
A:6010B	580-32525-A-14-B		580-110747	580-110695	05/04/2012 19:48	1	TAL SEA	SP
P:7470A	580-32525-A-14-C		580-110759	580-110697	05/04/2012 11:01	1	TAL SEA	ZF
A:7470A	580-32525-A-14-C		580-110759	580-110697	05/04/2012 14:59	1	TAL SEA	PAB
A:9045C	580-32525-A-14		580-110531		05/02/2012 14:15	1	TAL SEA	JP
A:D 2216	580-32525-A-14		580-110499		05/02/2012 12:58	1	TAL SEA	RD

Lab ID: 580-32525-15

Client ID: TCLP-246

Sample Date/Time: 04/24/2012 17:00

Received Date/Time: 04/25/2012 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-32525-A-15-B		580-110747	580-110695	05/04/2012 11:30	1	TAL SEA	ZF
A:6010B	580-32525-A-15-B		580-110747	580-110695	05/04/2012 19:54	1	TAL SEA	SP
P:7470A	580-32525-A-15-C		580-110759	580-110697	05/04/2012 11:01	1	TAL SEA	ZF
A:7470A	580-32525-A-15-C		580-110759	580-110697	05/04/2012 15:01	1	TAL SEA	PAB
A:9045C	580-32525-A-15		580-110531		05/02/2012 14:20	1	TAL SEA	JP
A:D 2216	580-32525-A-15		580-110499		05/02/2012 12:58	1	TAL SEA	RD

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	MB 580-110395/1-B		580-110549	580-110509	05/02/2012 13:28	1	TAL SEA	PAB
A:6010B	MB 580-110395/1-B		580-110549	580-110509	05/02/2012 19:57	1	TAL SEA	SP
P:3010A	MB 580-110427/1-B		580-110648	580-110609	05/03/2012 13:02	1	TAL SEA	PAB
A:6010B	MB 580-110427/1-B		580-110648	580-110609	05/03/2012 19:00	1	TAL SEA	SP
P:3010A	MB 580-110612/1-C		580-110747	580-110695	05/04/2012 11:30	1	TAL SEA	ZF
A:6010B	MB 580-110612/1-C		580-110747	580-110695	05/04/2012 18:10	1	TAL SEA	SP
P:7470A	MB 580-110395/1-C		580-110545	580-110511	05/02/2012 13:42	1	TAL SEA	PAB
A:7470A	MB 580-110395/1-C		580-110545	580-110511	05/02/2012 15:53	1	TAL SEA	PAB
P:7470A	MB 580-110395/21-C		580-110545	580-110511	05/02/2012 13:45	1	TAL SEA	PAB
A:7470A	MB 580-110395/21-C		580-110545	580-110511	05/02/2012 16:02	1	TAL SEA	PAB
P:7470A	MB 580-110614/15-A		580-110717	580-110614	05/04/2012 10:45	1	TAL SEA	PAB
A:7470A	MB 580-110614/15-A		580-110717	580-110614	05/04/2012 12:44	1	TAL SEA	FCW
P:7470A	MB 580-110612/1-B		580-110759	580-110697	05/04/2012 11:01	1	TAL SEA	ZF
A:7470A	MB 580-110612/1-B		580-110759	580-110697	05/04/2012 14:26	1	TAL SEA	PAB

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	LCS 580-110395/2-B		580-110549	580-110509	05/02/2012 13:28	1	TAL SEA	PAB
A:6010B	LCS 580-110395/2-B		580-110549	580-110509	05/02/2012 20:04	1	TAL SEA	SP
P:3010A	LCS 580-110427/2-B		580-110648	580-110609	05/03/2012 13:02	1	TAL SEA	PAB
A:6010B	LCS 580-110427/2-B		580-110648	580-110609	05/03/2012 19:06	1	TAL SEA	SP
P:3010A	LCS 580-110612/2-C		580-110747	580-110695	05/04/2012 11:30	1	TAL SEA	ZF
A:6010B	LCS 580-110612/2-C		580-110747	580-110695	05/04/2012 18:16	1	TAL SEA	SP
P:7470A	LCS 580-110395/2-C		580-110545	580-110511	05/02/2012 13:42	1	TAL SEA	PAB
A:7470A	LCS 580-110395/2-C		580-110545	580-110511	05/02/2012 15:55	1	TAL SEA	PAB
P:7470A	LCS 580-110614/16-A		580-110717	580-110614	05/04/2012 10:45	1	TAL SEA	PAB
A:7470A	LCS 580-110614/16-A		580-110717	580-110614	05/04/2012 12:47	1	TAL SEA	FCW
P:7470A	LCS 580-110612/2-B		580-110759	580-110697	05/04/2012 11:01	1	TAL SEA	ZF
A:7470A	LCS 580-110612/2-B		580-110759	580-110697	05/04/2012 14:28	1	TAL SEA	PAB

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Laboratory Chronicle

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	LCSD 580-110395/3-B		580-110549	580-110509	05/02/2012 13:28	1	TAL SEA	PAB
A:6010B	LCSD 580-110395/3-B		580-110549	580-110509	05/02/2012 20:10	1	TAL SEA	SP
P:3010A	LCSD 580-110427/3-B		580-110648	580-110609	05/03/2012 13:02	1	TAL SEA	PAB
A:6010B	LCSD 580-110427/3-B		580-110648	580-110609	05/03/2012 19:12	1	TAL SEA	SP
P:3010A	LCSD 580-110612/3-C		580-110747	580-110695	05/04/2012 11:30	1	TAL SEA	ZF
A:6010B	LCSD 580-110612/3-C		580-110747	580-110695	05/04/2012 18:22	1	TAL SEA	SP
P:7470A	LCSD 580-110395/3-C		580-110545	580-110511	05/02/2012 13:45	1	TAL SEA	PAB
A:7470A	LCSD 580-110395/3-C		580-110545	580-110511	05/02/2012 15:57	1	TAL SEA	PAB
P:7470A	LCSD 580-110614/17-A		580-110717	580-110614	05/04/2012 10:45	1	TAL SEA	PAB
A:7470A	LCSD 580-110614/17-A		580-110717	580-110614	05/04/2012 12:49	1	TAL SEA	FCW
P:7470A	LCSD 580-110612/3-B		580-110759	580-110697	05/04/2012 11:01	1	TAL SEA	ZF
A:7470A	LCSD 580-110612/3-B		580-110759	580-110697	05/04/2012 14:30	1	TAL SEA	PAB

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-32525-1

Laboratory Chronicle

Lab ID: LCSSRM

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	LCSSRM 580-110509/24-A		580-110549	580-110509	05/02/2012 13:28	1	TAL SEA	PAB
A:6010B	LCSSRM 580-110509/24-A		580-110549	580-110509	05/02/2012 20:16	1	TAL SEA	SP
P:3010A	LCSSRM 580-110609/18-A		580-110648	580-110609	05/03/2012 13:02	1	TAL SEA	PAB
A:6010B	LCSSRM 580-110609/18-A		580-110648	580-110609	05/03/2012 19:18	1	TAL SEA	SP
P:3010A	LCSSRM 580-110695/19-A		580-110747	580-110695	05/04/2012 11:30	1	TAL SEA	ZF
A:6010B	LCSSRM 580-110695/19-A		580-110747	580-110695	05/04/2012 18:28	1	TAL SEA	SP
P:7470A	LCSSRM 580-110511/17-A		580-110545	580-110511	05/02/2012 14:31	1	TAL SEA	PAB
A:7470A	LCSSRM 580-110511/17-A		580-110545	580-110511	05/02/2012 16:00	1	TAL SEA	PAB
P:7470A	LCSSRM 580-110614/18-A		580-110717	580-110614	05/04/2012 10:45	1	TAL SEA	PAB
A:7470A	LCSSRM 580-110614/18-A		580-110717	580-110614	05/04/2012 12:51	1	TAL SEA	FCW
P:7470A	LCSSRM 580-110697/16-A		580-110759	580-110697	05/04/2012 11:01	1	TAL SEA	ZF
A:7470A	LCSSRM 580-110697/16-A		580-110759	580-110697	05/04/2012 14:33	1	TAL SEA	PAB

Lab References:

TAL SEA = TestAmerica Seattle

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration				
					Reagent ID	Volume Added						
Hg_CAL_WORK_00011	07/13/12	04/13/12	H2O, Lot standard	1000 mg/L	Hg_CAL_STOCK_00001	1 mL	Mercury	0.1 mg/L				
.Hg_CAL_STOCK_00001	06/30/14	AccuStandard, Lot B7045094-1A			(Purchased Reagent)		Mercury	100 mg/L				
Hg_ICV_WORK_00013	07/13/12	04/13/12	H2O, Lot standard	1000 mg/L	Hg_ICV_STOCK_00003	1 mL	Mercury	0.1 mg/L				
.Hg_ICV_STOCK_00003	07/13/13	CPI, Lot 12A032			(Purchased Reagent)		Mercury	100 mg/L				
Hg_SPK_WORK_00011	07/13/12	04/13/12	H2O, Lot standard	1000 mg/L	Hg_CAL_STOCK_00001	1 mL	Mercury	0.1 mg/L				
.Hg_CAL_STOCK_00001	06/30/14	AccuStandard, Lot B7045094-1A			(Purchased Reagent)		Mercury	100 mg/L				
ICP_CCV_00038	07/28/12	04/18/12	DI, Lot NA	1000 mL	ICP Std SolnB_00001	2 mL	Cadmium	0.5 mg/L				
							Chromium	0.5 mg/L				
					ICP Std SolnC_00001	2 mL	Arsenic	5 mg/L				
							Barium	2.5 mg/L				
							Lead	5 mg/L				
							Selenium	5 mg/L				
							Silver	1 mg/L				
.ICP Std SolnB_00001	07/28/12	CPI, Lot 11A193			(Purchased Reagent)		Cadmium	250 ug/mL				
							Chromium	250 ug/mL				
.ICP Std SolnC_00001	07/28/12	CPI, Lot 11A193			(Purchased Reagent)		Arsenic	2500 ug/mL				
							Barium	1250 ug/mL				
							Lead	2500 ug/mL				
							Selenium	2500 ug/mL				
							Silver	500 ug/mL				
ICP_ICSA_00041	11/26/12	04/18/12	DI, Lot NA	500 mL	ICP_ICSA_00033	50 mL	Al	500 mg/L				
							Ca	500 mg/L				
							Fe	200 mg/L				
							Mg	500 mg/L				
.ICP_ICSA_00033	11/26/12	CPI, Lot 11E080			(Purchased Reagent)		Al	5000 ug/mL				
							Ca	5000 ug/mL				
							Fe	2000 ug/mL				
							Mg	5000 ug/mL				
ICP_ICSAB_00033	11/26/12	04/18/12	H2O, Lot NA	500 mL	ICP_ICSA_00033	50 mL	Al	500 mg/L				
							Ca	500 mg/L				
							Fe	200 mg/L				
							Mg	500 mg/L				
									ICPICSB B_00004	5 mL	Silver	3 mg/L
									ICPICSB-A_00003	5 mL	Arsenic	10 mg/L
											Barium	3 mg/L
											Be	1 mg/L
											Cadmium	3 mg/L
											Chromium	3 mg/L
											Co	3 mg/L
											Cu	3 mg/L
											K	200 mg/L
											Lead	10 mg/L
											Mn	2 mg/L
											Ni	3 mg/L
											Selenium	5 mg/L
						Tl	10 mg/L					

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							V	3 mg/L
							Zn	3 mg/L
					ICPICSB-C_00003	5 mL	Sb	10 mg/L
					ICPICSB-D_00003	5 mL	B	5 mg/L
							Mo	3 mg/L
							Si	2.3 mg/L
.ICP ICSA_00033	11/26/12		CPI, Lot 11E080		(Purchased Reagent)		Al	5000 ug/mL
							Ca	5000 ug/mL
							Fe	2000 ug/mL
							Mg	5000 ug/mL
.ICPICSB B_00004	11/26/12		CPI, Lot 09F247		(Purchased Reagent)		Silver	300 ug/mL
.ICPICSB-A_00003	11/26/12		CPI, Lot 09F247		(Purchased Reagent)		Arsenic	1000 ug/mL
							Barium	300 ug/mL
							Be	100 ug/mL
							Cadmium	300 ug/mL
							Chromium	300 ug/mL
							Co	300 ug/mL
							Cu	300 ug/mL
							K	20000 ug/mL
							Lead	1000 ug/mL
							Mn	200 ug/mL
							Ni	300 ug/mL
							Selenium	500 ug/mL
							Tl	1000 ug/mL
							V	300 ug/mL
							Zn	300 ug/mL
.ICPICSB-C_00003	11/26/12		CPI, Lot 09F281		(Purchased Reagent)		Sb	1000 ug/mL
.ICPICSB-D_00003	11/26/12		CPI, Lot 10I156		(Purchased Reagent)		B	500 ug/mL
							Mo	300 ug/mL
							Si	230 ug/mL
ICP ICV-2_00024	08/15/12	04/18/12	blk, Lot NA	500 mL	ICP-ICV-1_00001	2.5 mL	Barium	0.25 mg/L
							Cadmium	0.25 mg/L
							Chromium	1 mg/L
							Lead	1 mg/L
							Silver	0.5 mg/L
					ICP-ICV-2_00001	2.5 mL	Arsenic	2.5 mg/L
							Selenium	5 mg/L
.ICP-ICV-1_00001	08/15/12		Spex, Lot 3-172YP		(Purchased Reagent)		Barium	50 mg/L
							Cadmium	50 mg/L
							Chromium	200 mg/L
							Lead	200 mg/L
							Silver	100 mg/L
.ICP-ICV-2_00001	08/15/12		Spex, Lot 3-172YP		(Purchased Reagent)		Arsenic	500 mg/L
							Selenium	1000 mg/L
ICP-RL_00003	01/24/13	04/18/12	DI, Lot NA	500 mL	ICP RL SolnA_00001	0.5 mL	Arsenic	0.06 mg/L
							Barium	0.01 mg/L
							Cadmium	0.01 mg/L
							Chromium	0.025 mg/L
							Lead	0.03 mg/L
							Selenium	0.1 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.ICP RL SolnA_00001	01/24/13		Elements, Lot cs7012137		ICP RL SolnB_00001	0.5 mL	Silver	0.02 mg/L
							Arsenic	60 mg/L
							Barium	10 mg/L
							Cadmium	10 mg/L
							Chromium	25 mg/L
							Lead	30 mg/L
.ICP RL SolnB_00001	01/24/13		Elemental Science, Lot 1201933		(Purchased Reagent)		Silver	20 mg/L
m-GPS-1_00022	04/25/13		CPI, Lot 11J161		(Purchased Reagent)		Al	200 ppm
							Arsenic	200 ppm
							Barium	200 ppm
							Be	5 ppm
							Cadmium	5 ppm
							Chromium	20 ppm
							Co	50 ppm
							Cu	25 ppm
							Fe	100 ppm
							Lead	50 ppm
							Mn	50 ppm
							Ni	50 ppm
							Sb	50 ppm
							Selenium	200 ppm
							Silver	5 ppm
Tl	200 ppm							
V	50 ppm							
Zn	50 ppm							
m-GPS-2_00019	04/25/13		CPI, Lot 11J164		(Purchased Reagent)		Sb	100 ppm
							Silver	25 ppm
m-GPS-3_00019	04/25/13		CPI, Lot 11J163		(Purchased Reagent)		Ca	1000 ppm
							Fe	1000 ppm
							K	1000 ppm
							Mg	1000 ppm
							Na	1000 ppm
P	1000 ppm							
m-GPS-4_00021	04/25/13		CPI, Lot 11J162		(Purchased Reagent)		B	250 ppm
							Mo	250 ppm
							Sn	250 ppm
							Ti	250 ppm
MS-HgSpk_00011	05/10/12	05/10/11	H2O, Lot standard	1000 mg/L	Hg_CAL_STOCK_00001	25 mL	Mercury	2.5 mg/L
.Hg_CAL_STOCK_00001	06/30/14		AccuStandard, Lot B7045094-1A		(Purchased Reagent)		Mercury	100 mg/L

Certification Summary

Client: Science Applications International Corp
Project/Site: Everett Smelter Uplands

TestAmerica Job ID: 580-32525-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Seattle	Alaska (UST)	State Program	10	UST-022
TestAmerica Seattle	California	NELAC	9	1115CA
TestAmerica Seattle	Florida	NELAC	4	E871074
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Louisiana	NELAC	6	05016
TestAmerica Seattle	Montana (UST)	State Program	8	N/A
TestAmerica Seattle	Oregon	NELAC	10	WA100007
TestAmerica Seattle	USDA	Federal		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Seattle Job Number: 580-32525-1

SDG No.: _____

Project: Everett Smelter Uplands

Client Sample ID	Lab Sample ID
<u>TCLP-170</u>	<u>580-32525-1</u>
<u>TCLP-172</u>	<u>580-32525-2</u>
<u>TCLP-173</u>	<u>580-32525-3</u>
<u>TCLP-176</u>	<u>580-32525-4</u>
<u>TCLP-208</u>	<u>580-32525-5</u>
<u>TCLP-210</u>	<u>580-32525-6</u>
<u>TCLP-212</u>	<u>580-32525-7</u>
<u>TCLP-216</u>	<u>580-32525-8</u>
<u>TCLP-219</u>	<u>580-32525-9</u>
<u>TCLP-221</u>	<u>580-32525-10</u>
<u>TCLP-223</u>	<u>580-32525-11</u>
<u>TCLP-239</u>	<u>580-32525-12</u>
<u>TCLP-240</u>	<u>580-32525-13</u>
<u>TCLP-245</u>	<u>580-32525-14</u>
<u>TCLP-246</u>	<u>580-32525-15</u>

Comments:

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-170

Lab Sample ID: 580-32525-1

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 12:05

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0048	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.93	0.010	0.0020	mg/L			1	6010B
7440-43-9	Cadmium	0.0027	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.023	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.020	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-172

Lab Sample ID: 580-32525-2

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 12:20

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0080	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.55	0.010	0.0020	mg/L			1	6010B
7440-43-9	Cadmium	ND	0.010	0.0015	mg/L			1	6010B
7440-47-3	Chromium	0.016	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.0096	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-173

Lab Sample ID: 580-32525-3

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 13:00

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.57	0.010	0.0020	mg/L			1	6010B
7440-43-9	Cadmium	ND	0.010	0.0015	mg/L			1	6010B
7440-47-3	Chromium	0.0067	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.0052	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-176

Lab Sample ID: 580-32525-4

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 13:15

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0052	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.62	0.010	0.0020	mg/L			1	6010B
7440-43-9	Cadmium	0.0023	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.010	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.0078	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-208

Lab Sample ID: 580-32525-5

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 14:25

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.72	0.010	0.0020	mg/L			1	6010B
7440-43-9	Cadmium	0.0039	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0081	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.018	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-210

Lab Sample ID: 580-32525-6

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 14:05

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.75	0.010	0.0020	mg/L			1	6010B
7440-43-9	Cadmium	ND	0.010	0.0015	mg/L			1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.0053	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-212

Lab Sample ID: 580-32525-7

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 14:45

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0047	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.73	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0041	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.010	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.016	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	0.010	0.10	0.0042	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-216

Lab Sample ID: 580-32525-8

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 15:15

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.72	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0027	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0099	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.013	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	0.012	0.10	0.0042	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-219

Lab Sample ID: 580-32525-9

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 15:30

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0051	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.59	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0026	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0060	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.014	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	0.0061	0.10	0.0042	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-221

Lab Sample ID: 580-32525-10

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 15:45

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0089	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.77	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0029	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0097	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.019	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	0.0054	0.10	0.0042	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-223

Lab Sample ID: 580-32525-11

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 16:00

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.68	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0023	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0097	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.019	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	0.0070	0.10	0.0042	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-239

Lab Sample ID: 580-32525-12

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 16:15

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0098	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.26	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	ND	0.010	0.0015	mg/L			1	6010B
7440-47-3	Chromium	0.013	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.011	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0042	mg/L			1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-240

Lab Sample ID: 580-32525-13

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 16:30

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0057	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.56	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0038	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0063	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.016	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	0.0060	0.10	0.0042	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-245

Lab Sample ID: 580-32525-14

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 16:45

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0084	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.38	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0029	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	0.0077	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.015	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	0.0051	0.10	0.0042	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-246

Lab Sample ID: 580-32525-15

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 17:00

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.016	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.49	0.010	0.0020	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0036	0.010	0.0015	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.025	0.030	0.0021	mg/L	J		1	6010B
7782-49-2	Selenium	0.0053	0.10	0.0042	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.020	0.0085	mg/L			1	6010B
7439-97-6	Mercury	0.00091	0.0020	0.00041	mg/L	J		1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

ICV Source: ICP ICV-2_00024 Concentration Units: mg/L

CCV Source: ICP CCV_00038

Analyte	ICV 580-110549/6 05/02/2012 17:38				CCV 580-110549/26 05/02/2012 19:45				CCV 580-110549/38 05/02/2012 20:58			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	2.51		2.50	100	5.01		5.00	100	4.97		5.00	99
Barium	0.252		0.250	101	2.44		2.50	98	2.40		2.50	96
Cadmium	0.240		0.250	96	0.487		0.500	97	0.477		0.500	95
Chromium	1.04		1.00	104	0.499		0.500	100	0.498		0.500	100
Lead	0.971		1.00	97	4.85		5.00	97	4.74		5.00	95
Selenium	5.02		5.00	100	4.98		5.00	100	4.87		5.00	97
Silver	0.502		0.500	100	1.02		1.00	102	1.01		1.00	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

ICV Source: ICP ICV-2_00024 Concentration Units: mg/L

CCV Source: ICP CCV_00038

Analyte	CCV 580-110549/49 05/02/2012 22:07											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	4.99		5.00	100								
Barium	2.39		2.50	96								
Cadmium	0.468		0.500	94								
Chromium	0.486		0.500	97								
Lead	4.66		5.00	93								
Selenium	4.76		5.00	95								
Silver	1.03		1.00	103								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

ICV Source: ICP ICV-2_00024 Concentration Units: mg/L

CCV Source: ICP CCV_00038

Analyte	ICV 580-110648/6 05/03/2012 17:13				CCV 580-110648/11 05/03/2012 18:48				CCV 580-110648/23 05/03/2012 20:01			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	2.35		2.50	94	4.86		5.00	97	4.81		5.00	96
Barium	0.253		0.250	101	2.46		2.50	98	2.45		2.50	98
Cadmium	0.242		0.250	97	0.476		0.500	95	0.478		0.500	96
Chromium	1.01		1.00	101	0.509		0.500	102	0.511		0.500	102
Lead	0.981		1.00	98	4.77		5.00	95	4.78		5.00	96
Selenium	5.07		5.00	101	5.14		5.00	103	5.12		5.00	102
Silver	0.495		0.500	99	0.996		1.00	100	1.01		1.00	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

ICV Source: ICP ICV-2_00024 Concentration Units: mg/L

CCV Source: ICP CCV_00038

Analyte	CCV 580-110648/33 05/03/2012 21:04											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	4.88		5.00	98								
Barium	2.48		2.50	99								
Cadmium	0.477		0.500	95								
Chromium	0.508		0.500	102								
Lead	4.79		5.00	96								
Selenium	5.24		5.00	105								
Silver	1.01		1.00	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

ICV Source: ICP ICV-2_00024 Concentration Units: mg/L

CCV Source: ICP CCV_00038

Analyte	ICV 580-110747/6 05/04/2012 15:29				CCV 580-110747/30 05/04/2012 17:57				CCV 580-110747/42 05/04/2012 19:11			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	2.47		2.50	99	5.04		5.00	101	4.97		5.00	99
Barium	0.250		0.250	100	2.46		2.50	98	2.43		2.50	97
Cadmium	0.239		0.250	96	0.497		0.500	99	0.492		0.500	98
Chromium	1.02		1.00	102	0.513		0.500	103	0.508		0.500	102
Lead	0.968		1.00	97	4.96		5.00	99	4.91		5.00	98
Selenium	5.01		5.00	100	5.18		5.00	104	5.13		5.00	103
Silver	0.488		0.500	98	1.00		1.00	100	1.01		1.00	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

ICV Source: ICP ICV-2_00024 Concentration Units: mg/L

CCV Source: ICP CCV_00038

Analyte	CCV 580-110747/50 05/04/2012 20:01											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	4.91		5.00	98								
Barium	2.41		2.50	96								
Cadmium	0.486		0.500	97								
Chromium	0.501		0.500	100								
Lead	4.86		5.00	97								
Selenium	5.03		5.00	101								
Silver	1.01		1.00	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00013 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00011

Analyte	ICV 580-110545/7 05/02/2012 14:01				CCV 580-110545/9 05/02/2012 15:48				CCV 580-110545/21 05/02/2012 16:15			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00395		0.00400	99	0.00485		0.00500	97	0.00486		0.00500	97

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00013 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00011

Analyte	CCV 580-110545/30 05/02/2012 16:36											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00481		0.00500	96								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00013 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00011

Analyte	ICV 580-110717/7 05/04/2012 12:27				CCV 580-110717/9 05/04/2012 12:40				CCV 580-110717/21 05/04/2012 13:08			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00396		0.00400	99	0.00522		0.00500	104	0.00526		0.00500	105

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00013 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00011

Analyte	CCV 580-110717/32 05/04/2012 13:34											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00524		0.00500	105								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00013 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00011

Analyte	ICV 580-110759/7 05/04/2012 12:27				CCV 580-110759/49 05/04/2012 14:21				CCV 580-110759/61 05/04/2012 14:49			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00396		0.00400	99	0.00488		0.00500	98	0.00493		0.00500	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00013 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00011

Analyte	CCV 580-110759/72 05/04/2012 15:15											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00502		0.00500	100								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1
 SDG No.: _____
 Method: 6010B Instrument ID: TAC047
 Lab Sample ID: CRI 580-110549/8 Concentration Units: mg/L
 CRQL Check Standard Source: ICP-RL_00003

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.0600	0.0616		103	
Barium	0.0100	0.00980	J	98	
Cadmium	0.0100	0.00940	J	94	
Chromium	0.0250	0.0259		104	
Lead	0.0300	0.0285	J	95	
Selenium	0.100	0.107		107	
Silver	0.0200	0.0180	J	90	

Lab Sample ID: CRI 580-110648/8 Concentration Units: mg/L
 CRQL Check Standard Source: ICP-RL_00003

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.0600	0.0588	J	98	
Barium	0.0100	0.0102		102	
Cadmium	0.0100	0.00960	J	96	
Chromium	0.0250	0.0298		119	
Lead	0.0300	0.0306		102	
Selenium	0.100	0.111		111	
Silver	0.0200	0.0158	J	79	

Lab Sample ID: CRI 580-110747/8 Concentration Units: mg/L
 CRQL Check Standard Source: ICP-RL_00003

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.0600	0.0629		105	
Barium	0.0100	0.0105		105	
Cadmium	0.0100	0.00970	J	97	
Chromium	0.0250	0.0175	J	70	
Lead	0.0300	0.0308		103	
Selenium	0.100	0.111		111	
Silver	0.0200	0.0170	J	85	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-110549/7 05/02/2012 17:44		CCB 580-110549/27 05/02/2012 19:51		CCB 580-110549/39 05/02/2012 21:04		CCB 580-110549/50 05/02/2012 22:13	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.060	ND		ND		ND		ND	
Barium	0.010	ND		ND		ND		ND	
Cadmium	0.010	ND		ND		ND		ND	
Chromium	0.025	ND		ND		ND		ND	
Lead	0.030	ND		ND		ND		ND	
Selenium	0.10	0.00680	J	0.00420	J	0.00420	J	ND	
Silver	0.020	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-110648/7 05/03/2012 17:18		CCB 580-110648/12 05/03/2012 18:54		CCB 580-110648/24 05/03/2012 20:07		CCB 580-110648/34 05/03/2012 21:09	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.060	ND		ND		ND		ND	
Barium	0.010	ND		ND		ND		ND	
Cadmium	0.010	ND		ND		ND		ND	
Chromium	0.025	ND		ND		ND		ND	
Lead	0.030	ND		ND		ND		ND	
Selenium	0.10	ND		ND		ND		ND	
Silver	0.020	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-110747/7 05/04/2012 15:35		CCB 580-110747/31 05/04/2012 18:03		CCB 580-110747/43 05/04/2012 19:16		CCB 580-110747/51 05/04/2012 20:06	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.060	ND		ND		ND		ND	
Barium	0.010	ND		ND		ND		ND	
Cadmium	0.010	ND		ND		ND		ND	
Chromium	0.025	ND		ND		ND		ND	
Lead	0.030	0.00350	J	0.00400	J	ND		ND	
Selenium	0.10	0.00930	J	0.00600	J	0.00430	J	0.00440	J
Silver	0.020	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-110545/8 05/02/2012 14:04		CCB 580-110545/10 05/02/2012 15:50		CCB 580-110545/22 05/02/2012 16:18		CCB 580-110545/31 05/02/2012 16:38	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.00020	0.00000800	J	ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-110717/8 05/04/2012 12:30		CCB 580-110717/10 05/04/2012 12:42		CCB 580-110717/22 05/04/2012 13:10		CCB 580-110717/33 05/04/2012 13:36	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.00020	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-110759/8 05/04/2012 12:30		CCB 580-110759/50 05/04/2012 14:23		CCB 580-110759/62 05/04/2012 14:52		CCB 580-110759/73 05/04/2012 15:17	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.00020	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Seattle Job No.: 580-32525-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 580-110395/1-B
Instrument Code: TAC047 Batch No.: 110549

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	0.00440	J		6010B
7440-43-9	Cadmium	ND			6010B
7440-47-3	Chromium	ND			6010B
7439-92-1	Lead	ND			6010B
7782-49-2	Selenium	0.00770	J		6010B
7440-22-4	Silver	ND			6010B

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Concentration Units: mg/L Lab Sample ID: MB 580-110427/1-B

Instrument Code: TAC047 Batch No.: 110648

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	ND			6010B
7440-43-9	Cadmium	ND			6010B
7440-47-3	Chromium	ND			6010B
7439-92-1	Lead	ND			6010B
7782-49-2	Selenium	ND			6010B
7440-22-4	Silver	ND			6010B

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Concentration Units: mg/L Lab Sample ID: MB 580-110612/1-C

Instrument Code: TAC047 Batch No.: 110747

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	0.00240	J		6010B
7440-43-9	Cadmium	ND			6010B
7440-47-3	Chromium	ND			6010B
7439-92-1	Lead	ND			6010B
7782-49-2	Selenium	0.00640	J		6010B
7440-22-4	Silver	ND			6010B

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Seattle Job No.: 580-32525-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 580-110395/1-C
Instrument Code: TAC103 Batch No.: 110545

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Seattle Job No.: 580-32525-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 580-110395/21-C
Instrument Code: TAC103 Batch No.: 110545

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 580-110614/15-A
Instrument Code: TAC103 Batch No.: 110717

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Seattle Job No.: 580-32525-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 580-110612/1-B
Instrument Code: TAC103 Batch No.: 110759

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1
 SDG No.: _____
 Lab Sample ID: ICSA 580-110549/9 Instrument ID: TAC047
 Lab File ID: 110501-110509.asc ICS Source: ICP ICSA_00041
 Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution A	Solution A	
Arsenic		-0.0118	
Barium		0.0007	
Cadmium		-0.0061	
Chromium		-0.0006	
Lead		0.0071	
Selenium		-0.0115	
Silver		0.0071	
<i>Aluminum</i>	<i>500</i>	<i>559</i>	<i>112</i>
<i>Antimony</i>		<i>-0.0053</i>	
<i>Beryllium</i>		<i>0.0000</i>	
<i>Boron</i>		<i>0.0104</i>	
<i>Calcium</i>	<i>500</i>	<i>503</i>	<i>101</i>
<i>Cobalt</i>		<i>0.0006</i>	
<i>Copper</i>		<i>0.0104</i>	
<i>Iron</i>	<i>200</i>	<i>196</i>	<i>98</i>
<i>Magnesium</i>	<i>500</i>	<i>553</i>	<i>111</i>
<i>Manganese</i>		<i>-0.0101</i>	
<i>Molybdenum</i>		<i>0.0002</i>	
<i>Nickel</i>		<i>0.0029</i>	
<i>Phosphorus</i>		<i>0.0106</i>	
<i>Potassium</i>		<i>0.585</i>	
<i>Silicon</i>		<i>0.0117</i>	
<i>Sodium</i>		<i>0.243</i>	
<i>Thallium</i>		<i>0.0033</i>	
<i>Tin</i>		<i>0.0023</i>	
<i>Vanadium</i>		<i>-0.0038</i>	
<i>Zinc</i>		<i>-0.0228</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG No.: _____

Lab Sample ID: ICSAB 580-110549/10

Instrument ID: TAC047

Lab File ID: 110501-110509.asc

ICS Source: ICP ICSAB_00033

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	10.0	10.5	105
Barium	3.00	3.24	108
Cadmium	3.00	3.13	104
Chromium	3.00	2.96	99
Lead	10.0	10.3	103
Selenium	5.00	5.15	103
Silver	3.00	3.04	101
<i>Aluminum</i>	<i>500</i>	<i>542</i>	<i>108</i>
<i>Antimony</i>	<i>10.0</i>	<i>10.4</i>	<i>104</i>
<i>Beryllium</i>	<i>1.00</i>	<i>1.03</i>	<i>103</i>
<i>Boron</i>	<i>5.00</i>	<i>5.51</i>	<i>110</i>
<i>Calcium</i>	<i>500</i>	<i>504</i>	<i>101</i>
<i>Cobalt</i>	<i>3.00</i>	<i>3.13</i>	<i>104</i>
<i>Copper</i>	<i>3.00</i>	<i>3.07</i>	<i>102</i>
<i>Iron</i>	<i>200</i>	<i>198</i>	<i>99</i>
<i>Magnesium</i>	<i>500</i>	<i>536</i>	<i>107</i>
<i>Manganese</i>	<i>2.00</i>	<i>1.98</i>	<i>99</i>
<i>Molybdenum</i>	<i>3.00</i>	<i>3.03</i>	<i>101</i>
<i>Nickel</i>	<i>3.00</i>	<i>3.09</i>	<i>103</i>
<i>Phosphorus</i>		<i>0.0056</i>	
<i>Potassium</i>	<i>200</i>	<i>215</i>	<i>108</i>
<i>Silicon</i>	<i>2.30</i>	<i>2.44</i>	<i>106</i>
<i>Sodium</i>		<i>0.149</i>	
<i>Thallium</i>	<i>10.0</i>	<i>9.87</i>	<i>99</i>
<i>Tin</i>		<i>0.0000</i>	
<i>Vanadium</i>	<i>3.00</i>	<i>3.00</i>	<i>100</i>
<i>Zinc</i>	<i>3.00</i>	<i>3.09</i>	<i>103</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1
 SDG No.: _____
 Lab Sample ID: ICSA 580-110648/9 Instrument ID: TAC047
 Lab File ID: 110609.asc ICS Source: ICP ICSA_00041
 Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution A	Solution A	
Arsenic		-0.0128	
Barium		0.0002	
Cadmium		0.0050	
Chromium		0.0008	
Lead		-0.0129	
Selenium		0.0195	
Silver		-0.0001	
<i>Aluminum</i>	<i>500</i>	<i>550</i>	<i>110</i>
<i>Antimony</i>		<i>-0.0002</i>	
<i>Beryllium</i>		<i>-0.0001</i>	
<i>Boron</i>		<i>0.0106</i>	
<i>Calcium</i>	<i>500</i>	<i>502</i>	<i>100</i>
<i>Cobalt</i>		<i>-0.0004</i>	
<i>Copper</i>		<i>0.0010</i>	
<i>Iron</i>	<i>200</i>	<i>203</i>	<i>102</i>
<i>Magnesium</i>	<i>500</i>	<i>551</i>	<i>110</i>
<i>Manganese</i>		<i>-0.0100</i>	
<i>Molybdenum</i>		<i>-0.0001</i>	
<i>Nickel</i>		<i>0.0033</i>	
<i>Phosphorus</i>		<i>0.0117</i>	
<i>Potassium</i>		<i>0.358</i>	
<i>Silicon</i>		<i>0.0231</i>	
<i>Sodium</i>		<i>0.0993</i>	
<i>Thallium</i>		<i>0.0029</i>	
<i>Tin</i>		<i>0.0022</i>	
<i>Vanadium</i>		<i>-0.0069</i>	
<i>Zinc</i>		<i>-0.0222</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG No.: _____

Lab Sample ID: ICSAB 580-110648/10

Instrument ID: TAC047

Lab File ID: 110609.asc

ICS Source: ICP ICSAB_00033

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	10.0	11.2	112
Barium	3.00	3.20	107
Cadmium	3.00	3.09	103
Chromium	3.00	2.89	96
Lead	10.0	10.2	102
Selenium	5.00	5.10	102
Silver	3.00	2.99	100
<i>Aluminum</i>	<i>500</i>	<i>538</i>	<i>108</i>
<i>Antimony</i>	<i>10.0</i>	<i>10.4</i>	<i>104</i>
<i>Beryllium</i>	<i>1.00</i>	<i>1.01</i>	<i>101</i>
<i>Boron</i>	<i>5.00</i>	<i>5.43</i>	<i>109</i>
<i>Calcium</i>	<i>500</i>	<i>497</i>	<i>99</i>
<i>Cobalt</i>	<i>3.00</i>	<i>3.09</i>	<i>103</i>
<i>Copper</i>	<i>3.00</i>	<i>3.05</i>	<i>102</i>
<i>Iron</i>	<i>200</i>	<i>200</i>	<i>100</i>
<i>Magnesium</i>	<i>500</i>	<i>536</i>	<i>107</i>
<i>Manganese</i>	<i>2.00</i>	<i>1.92</i>	<i>96</i>
<i>Molybdenum</i>	<i>3.00</i>	<i>2.98</i>	<i>99</i>
<i>Nickel</i>	<i>3.00</i>	<i>3.05</i>	<i>102</i>
<i>Phosphorus</i>		<i>0.0067</i>	
<i>Potassium</i>	<i>200</i>	<i>216</i>	<i>108</i>
<i>Silicon</i>	<i>2.30</i>	<i>2.46</i>	<i>107</i>
<i>Sodium</i>		<i>0.0751</i>	
<i>Thallium</i>	<i>10.0</i>	<i>9.81</i>	<i>98</i>
<i>Tin</i>		<i>-0.0029</i>	
<i>Vanadium</i>	<i>3.00</i>	<i>2.94</i>	<i>98</i>
<i>Zinc</i>	<i>3.00</i>	<i>3.12</i>	<i>104</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG No.: _____

Lab Sample ID: ICSA 580-110747/9

Instrument ID: TAC047

Lab File ID: 110695-110686.asc

ICS Source: ICP ICSA_00041

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution A	Solution A	
Arsenic		-0.0207	
Barium		0.0017	
Cadmium		-0.0035	
Chromium		-0.0007	
Lead		0.0037	
Selenium		-0.0001	
Silver		-0.0043	
<i>Aluminum</i>	500	528	106
<i>Antimony</i>		-0.0040	
<i>Beryllium</i>		0.0001	
<i>Boron</i>		0.0093	
<i>Calcium</i>	500	501	100
<i>Cobalt</i>		0.0000	
<i>Copper</i>		-0.0016	
<i>Iron</i>	200	196	98
<i>Magnesium</i>	500	528	106
<i>Manganese</i>		-0.0096	
<i>Molybdenum</i>		0.0009	
<i>Nickel</i>		0.0047	
<i>Phosphorus</i>		0.0122	
<i>Potassium</i>		0.388	
<i>Silicon</i>		0.0029	
<i>Sodium</i>		0.0914	
<i>Thallium</i>		0.0115	
<i>Tin</i>		0.0027	
<i>Vanadium</i>		-0.0040	
<i>Zinc</i>		-0.0185	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG No.: _____

Lab Sample ID: ICSAB 580-110747/10

Instrument ID: TAC047

Lab File ID: 110695-110686.asc

ICS Source: ICP ICSAB_00033

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	10.0	10.7	107
Barium	3.00	3.30	110
Cadmium	3.00	3.21	107
Chromium	3.00	3.06	102
Lead	10.0	10.5	105
Selenium	5.00	5.32	106
Silver	3.00	3.11	104
<i>Aluminum</i>	<i>500</i>	<i>543</i>	<i>109</i>
<i>Antimony</i>	<i>10.0</i>	<i>10.5</i>	<i>105</i>
<i>Beryllium</i>	<i>1.00</i>	<i>1.05</i>	<i>105</i>
<i>Boron</i>	<i>5.00</i>	<i>5.60</i>	<i>112</i>
<i>Calcium</i>	<i>500</i>	<i>515</i>	<i>103</i>
<i>Cobalt</i>	<i>3.00</i>	<i>3.18</i>	<i>106</i>
<i>Copper</i>	<i>3.00</i>	<i>3.18</i>	<i>106</i>
<i>Iron</i>	<i>200</i>	<i>207</i>	<i>103</i>
<i>Magnesium</i>	<i>500</i>	<i>543</i>	<i>109</i>
<i>Manganese</i>	<i>2.00</i>	<i>2.06</i>	<i>103</i>
<i>Molybdenum</i>	<i>3.00</i>	<i>3.14</i>	<i>105</i>
<i>Nickel</i>	<i>3.00</i>	<i>3.13</i>	<i>104</i>
<i>Phosphorus</i>		<i>0.0070</i>	
<i>Potassium</i>	<i>200</i>	<i>223</i>	<i>112</i>
<i>Silicon</i>	<i>2.30</i>	<i>2.53</i>	<i>110</i>
<i>Sodium</i>		<i>0.0937</i>	
<i>Thallium</i>	<i>10.0</i>	<i>10.1</i>	<i>101</i>
<i>Tin</i>		<i>0.0013</i>	
<i>Vanadium</i>	<i>3.00</i>	<i>3.11</i>	<i>104</i>
<i>Zinc</i>	<i>3.00</i>	<i>3.15</i>	<i>105</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-210 MS Lab ID: 580-32525-6 MS
 Lab Name: TestAmerica Seattle Job No.: 580-32525-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/L
 % Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.91	ND	4.00	123	50-150		6010B
Barium	5.29	0.75	4.00	113	50-150		6010B
Cadmium	0.114	ND	0.100	114	50-150		6010B
Chromium	0.421	ND	0.400	105	50-150		6010B
Lead	1.08	0.0053	J 1.00	108	50-150		6010B
Selenium	4.59	ND	4.00	115	50-150		6010B
Silver	0.605	ND	0.600	101	50-150		6010B
Mercury	0.0209	ND	0.0200	105	80-120		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-219 MS Lab ID: 580-32525-9 MS
 Lab Name: TestAmerica Seattle Job No.: 580-32525-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/L
 % Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.35	0.0051	J 4.00	109	50-150		6010B
Barium	5.01	0.59	4.00	110	50-150		6010B
Cadmium	0.114	0.0026	J 0.100	112	50-150		6010B
Chromium	0.415	0.0060	J 0.400	102	50-150		6010B
Lead	1.09	0.014	J 1.00	108	50-150		6010B
Selenium	4.44	0.0061	J 4.00	111	50-150		6010B
Silver	0.602	ND	0.600	100	50-150		6010B
Mercury	0.0197	ND	0.0200	98	80-120		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-210 MSD Lab ID: 580-32525-6 MSD
 Lab Name: TestAmerica Seattle Job No.: 580-32525-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/L
 % Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.80	4.00	120	50-150	2	20		6010B
Barium	5.14	4.00	110	50-150	3	20		6010B
Cadmium	0.110	0.100	110	50-150	3	20		6010B
Chromium	0.423	0.400	106	50-150	1	20		6010B
Lead	1.05	1.00	104	50-150	3	20		6010B
Selenium	4.46	4.00	112	50-150	3	20		6010B
Silver	0.596	0.600	99	50-150	2	20		6010B
Mercury	0.0217	0.0200	108	80-120	4	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-219 MSD Lab ID: 580-32525-9 MSD
 Lab Name: TestAmerica Seattle Job No.: 580-32525-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/L
 % Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.36	4.00	109	50-150	0	20		6010B
Barium	5.00	4.00	110	50-150	0	20		6010B
Cadmium	0.114	0.100	111	50-150	0	20		6010B
Chromium	0.415	0.400	102	50-150	0	20		6010B
Lead	1.08	1.00	107	50-150	1	20		6010B
Selenium	4.50	4.00	112	50-150	1	20		6010B
Silver	0.591	0.600	98	50-150	2	20		6010B
Mercury	0.0193	0.0200	97	80-120	2	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-210 PDS

Lab ID: 580-32525-6 PDS

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/L

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.94	ND	4.00	124			6010B
Barium	5.26	0.75	4.00	113			6010B
Cadmium	0.116	ND	0.100	116			6010B
Chromium	0.415	ND	0.400	104			6010B
Lead	1.10	0.0053	J 1.00	109			6010B
Selenium	4.65	ND	4.00	116			6010B
Silver	0.535	ND	0.600	89			6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-219 PDS

Lab ID: 580-32525-9 PDS

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/L

Analyte	SSR C	Sample Result (SR) C		Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.46	0.0051	J	4.00	111			6010B
Barium	5.06	0.59		4.00	112			6010B
Cadmium	0.119	0.0026	J	0.100	117			6010B
Chromium	0.426	0.0060	J	0.400	105			6010B
Lead	1.13	0.014	J	1.00	111			6010B
Selenium	4.61	0.0061	J	4.00	115			6010B
Silver	0.542	ND		0.600	90			6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATES
 METALS - TCLP

Client ID: TCLP-210 DU

Lab ID: 580-32525-6 DU

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG No.: _____

% Solids for Sample: _____

% Solids for Duplicate: _____

Matrix: Solid

Concentration Units: mg/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Arsenic	0.060	ND	ND	NC		6010B
Barium	0.010	0.75	0.806	7		6010B
Cadmium	0.010	ND	ND	NC		6010B
Chromium	0.025	ND	ND	NC		6010B
Lead	0.030	0.0053 J	0.00690 J	26		6010B
Selenium	0.10	ND	ND	NC		6010B
Silver	0.020	ND	ND	NC		6010B
Mercury	0.0020	ND	ND	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATES
 METALS - TCLP

Client ID: TCLP-219 DU Lab ID: 580-32525-9 DU
 Lab Name: TestAmerica Seattle Job No.: 580-32525-1
 SDG No.: _____
 % Solids for Sample: _____ % Solids for Duplicate: _____
 Matrix: Solid Concentration Units: mg/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Arsenic	0.060	0.0051 J	0.00510 J	0		6010B
Barium	0.010	0.59	0.609	3		6010B
Cadmium	0.010	0.0026 J	0.00270 J	4		6010B
Chromium	0.025	0.0060 J	0.00400 J	40		6010B
Lead	0.030	0.014 J	0.0150 J	4		6010B
Selenium	0.10	0.0061 J	0.00620 J	2		6010B
Silver	0.020	ND	ND	NC		6010B
Mercury	0.0020	ND	ND	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
 LAB CONTROL SAMPLE
 METALS - TCLP

Lab ID: LCS 580-110395/2-B

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00022

Analyte	Solid(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.33		108	80	120		6010B
Barium	4.00	4.34		108	80	120		6010B
Cadmium	0.100	0.109		109	80	120		6010B
Chromium	0.400	0.402		100	80	120		6010B
Lead	1.00	1.04		104	80	120		6010B
Selenium	4.00	4.36		109	80	120		6010B
Silver	0.600	0.599		100	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS - TCLP

Lab ID: LCS D 580-110395/3-B

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00022

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.33	4.00	108	80-120	0	20		6010B
Barium	4.32	4.00	108	80-120	0	20		6010B
Cadmium	0.108	0.100	108	80-120	1	20		6010B
Chromium	0.409	0.400	102	80-120	2	20		6010B
Lead	1.04	1.00	104	80-120	0	20		6010B
Selenium	4.38	4.00	109	80-120	0	20		6010B
Silver	0.598	0.600	100	80-120	0	20		6010B

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-110509/24-A

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

Sample Matrix: Water

LCS Source: m-GPS-1_00022

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.32		108	80	120		6010B
Barium	4.00	4.33		108	80	120		6010B
Cadmium	0.100	0.108		108	80	120		6010B
Chromium	0.400	0.398		100	80	120		6010B
Lead	1.00	1.04		104	80	120		6010B
Selenium	4.00	4.35		109	80	120		6010B
Silver	0.600	0.575		96	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TCLP

Lab ID: LCS 580-110427/2-B

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00022

Analyte	Solid(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.81		120	80	120		6010B
Barium	4.00	4.40		110	80	120		6010B
Cadmium	0.100	0.110		110	80	120		6010B
Chromium	0.400	0.419		105	80	120		6010B
Lead	1.00	1.05		105	80	120		6010B
Selenium	4.00	4.51		113	80	120		6010B
Silver	0.600	0.596		99	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS - TCLP

Lab ID: LCS D 580-110427/3-B

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00022

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.79	4.00	120	80-120	0	20		6010B
Barium	4.40	4.00	110	80-120	0	20		6010B
Cadmium	0.110	0.100	110	80-120	0	20		6010B
Chromium	0.408	0.400	102	80-120	3	20		6010B
Lead	1.05	1.00	105	80-120	0	20		6010B
Selenium	4.51	4.00	113	80-120	0	20		6010B
Silver	0.587	0.600	98	80-120	2	20		6010B

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-110609/18-A

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

Sample Matrix: Water

LCS Source: m-GPS-1_00022

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.82		120	80	120		6010B
Barium	4.00	4.43		111	80	120		6010B
Cadmium	0.100	0.111		111	80	120		6010B
Chromium	0.400	0.413		103	80	120		6010B
Lead	1.00	1.06		106	80	120		6010B
Selenium	4.00	4.52		113	80	120		6010B
Silver	0.600	0.604		101	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TCLP

Lab ID: LCS 580-110612/2-C

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00022

Analyte	Solid(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.42		110	80	120		6010B
Barium	4.00	4.45		111	80	120		6010B
Cadmium	0.100	0.112		112	80	120		6010B
Chromium	0.400	0.422		105	80	120		6010B
Lead	1.00	1.08		108	80	120		6010B
Selenium	4.00	4.50		113	80	120		6010B
Silver	0.600	0.607		101	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS - TCLP

Lab ID: LCS D 580-110612/3-C

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00022

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.33	4.00	108	80-120	2	20		6010B
Barium	4.36	4.00	109	80-120	2	20		6010B
Cadmium	0.110	0.100	110	80-120	2	20		6010B
Chromium	0.415	0.400	104	80-120	2	20		6010B
Lead	1.06	1.00	106	80-120	2	20		6010B
Selenium	4.45	4.00	111	80-120	1	20		6010B
Silver	0.590	0.600	98	80-120	3	20		6010B

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-110695/19-A

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

Sample Matrix: Water

LCS Source: m-GPS-1_00022

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.38		110	80	120		6010B
Barium	4.00	4.44		111	80	120		6010B
Cadmium	0.100	0.113		113	80	120		6010B
Chromium	0.400	0.424		106	80	120		6010B
Lead	1.00	1.08		108	80	120		6010B
Selenium	4.00	4.49		112	80	120		6010B
Silver	0.600	0.613		102	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
 LAB CONTROL SAMPLE
 METALS - TCLP

Lab ID: LCS 580-110395/2-C

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

Sample Matrix: Solid

LCS Source: Hg_CAL_WORK_00011

Analyte	Solid(mg/L)						
	True	Found	C	%R	Limits	Q	Method
Mercury	0.0200	0.0189		95	80 120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS - TCLP

Lab ID: LCSD 580-110395/3-C

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

Sample Matrix: Solid

LCS Source: Hg_CAL_WORK_00011

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.0186	0.0200	93	80-120	2	20		7470A

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-110511/17-A

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00011

Analyte	Water (mg/L)						
	True	Found	C	%R	Limits	Q	Method
Mercury	0.0200	0.0185		92	75 125		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
 LAB CONTROL SAMPLE
 METALS

Lab ID: LCS 580-110614/16-A

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00011

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.0200	0.0200		100	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS

Lab ID: LCSD 580-110614/17-A

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00011

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.0198	0.0200	99	80-120	1	20		7470A

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-110614/18-A

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00011

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.0200	0.0195		97	75	125		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
 LAB CONTROL SAMPLE
 METALS - TCLP

Lab ID: LCS 580-110612/2-B

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

Sample Matrix: Solid

LCS Source: Hg_SPK_WORK_00011

Analyte	Solid(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.0200	0.0180		90	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS - TCLP

Lab ID: LCSD 580-110612/3-B

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

Sample Matrix: Solid

LCS Source: Hg_SPK_WORK_00011

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.0184	0.0200	92	80-120	2	20		7470A

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-110697/16-A

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

Sample Matrix: Water

LCS Source: Hg_SPK_WORK_00011

Analyte	Water (mg/L)						
	True	Found	C	%R	Limits	Q	Method
Mercury	0.0200	0.0182		91	75 125		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS - TCLP

Lab ID: 580-32525-6

SDG No:

Lab Name: TestAmerica Seattle

Job No: 580-32525-1

Matrix: Solid

Concentration Units: mg/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	Method
Arsenic	ND	ND	NC		6010B
Barium	0.75	0.149	80		6010B
Cadmium	ND	ND	NC		6010B
Chromium	ND	ND	NC		6010B
Lead	0.0053 J	ND	NC		6010B
Selenium	ND	ND	NC		6010B
Silver	ND	ND	NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS - TCLP

Lab ID: 580-32525-9

SDG No:

Lab Name: TestAmerica Seattle

Job No: 580-32525-1

Matrix: Solid

Concentration Units: mg/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	Method
		C		C			
Arsenic	0.0051	J	ND		NC		6010B
Barium	0.59		0.570		3.7		6010B
Cadmium	0.0026	J	ND		NC		6010B
Chromium	0.0060	J	ND		NC		6010B
Lead	0.014	J	0.0190	J	NC		6010B
Selenium	0.0061	J	0.0370	J	NC		6010B
Silver	ND		ND		NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle Job Number: 580-32525-1
SDG Number: _____
Matrix: Solid Instrument ID: TAC047
Method: 6010B MDL Date: 01/19/2012 16:04
Prep Method: 3010A
Leach Method: 1311

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Arsenic		0.06	0.0047
Barium		0.01	0.002
Cadmium		0.01	0.0015
Chromium		0.025	0.0033
Lead		0.03	0.0021
Selenium		0.1	0.0042
Silver		0.02	0.0085

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle Job Number: 580-32525-1
SDG Number: _____
Matrix: Solid Instrument ID: TAC047
Method: 6010B XMDL Date: 11/02/2010 08:29

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Arsenic		0.06	0.0047
Barium		0.01	0.002
Cadmium		0.01	0.0015
Chromium		0.025	0.0033
Lead		0.03	0.0021
Selenium		0.1	0.0042
Silver		0.02	0.0085

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle Job Number: 580-32525-1
SDG Number: _____
Matrix: Solid Instrument ID: TAC103
Method: 7470A MDL Date: 06/06/2011 08:34
Prep Method: 7470A
Leach Method: 1311

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Mercury		0.0002	0.000041

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle Job Number: 580-32525-1
SDG Number: _____
Matrix: Solid Instrument ID: TAC103
Method: 7470A XMDL Date: 10/02/2008 10:39

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (ug/L)
Mercury		0.0002	0.000041

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Seattle

Job No: 580-32525-1

SDG No.: _____

Instrument ID: TAC047

Date: 12/03/2010 07:34

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Arsenic		125	6010B
Barium		125	6010B
Cadmium		25	6010B
Chromium		50	6010B
Lead		125	6010B
Selenium		125	6010B
Silver		20	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-32525-7	05/02/2012 13:28	110509		50	50
580-32525-8	05/02/2012 13:28	110509		50	50
MB 580-110395/1-B	05/02/2012 13:28	110509		50	50
LCS 580-110395/2-B	05/02/2012 13:28	110509		50	50
LCSD 580-110395/3-B	05/02/2012 13:28	110509		50	50
LCSSRM 580-110509/24-A	05/02/2012 13:28	110509		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-32525-6	05/03/2012 13:02	110609		50	50
580-32525-6 DU	05/03/2012 13:02	110609		50	50
580-32525-6 MS	05/03/2012 13:02	110609		50	50
580-32525-6 MSD	05/03/2012 13:02	110609		50	50
580-32525-1	05/03/2012 13:02	110609		50	50
580-32525-2	05/03/2012 13:02	110609		50	50
580-32525-3	05/03/2012 13:02	110609		50	50
580-32525-4	05/03/2012 13:02	110609		50	50
580-32525-5	05/03/2012 13:02	110609		50	50
MB 580-110427/1-B	05/03/2012 13:02	110609		50	50
LCS 580-110427/2-B	05/03/2012 13:02	110609		50	50
LCSD 580-110427/3-B	05/03/2012 13:02	110609		50	50
LCSSRM 580-110609/18-A	05/03/2012 13:02	110609		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-32525-9	05/04/2012 11:30	110695		50	50
580-32525-9 DU	05/04/2012 11:30	110695		50	50
580-32525-9 MS	05/04/2012 11:30	110695		50	50
580-32525-9 MSD	05/04/2012 11:30	110695		50	50
580-32525-10	05/04/2012 11:30	110695		50	50
580-32525-11	05/04/2012 11:30	110695		50	50
580-32525-12	05/04/2012 11:30	110695		50	50
580-32525-13	05/04/2012 11:30	110695		50	50
580-32525-14	05/04/2012 11:30	110695		50	50
580-32525-15	05/04/2012 11:30	110695		50	50
MB 580-110612/1-C	05/04/2012 11:30	110695		50	50
LCS 580-110612/2-C	05/04/2012 11:30	110695		50	50
LCSD 580-110612/3-C	05/04/2012 11:30	110695		50	50
LCSSRM 580-110695/19-A	05/04/2012 11:30	110695		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-32525-7	05/02/2012 13:42	110511		5	50
580-32525-8	05/02/2012 13:42	110511		5	50
MB 580-110395/1-C	05/02/2012 13:42	110511		5	50
LCS 580-110395/2-C	05/02/2012 13:42	110511		5	50
LCSD 580-110395/3-C	05/02/2012 13:45	110511		5	50
MB 580-110395/21-C	05/02/2012 13:45	110511		5	50
LCSSRM 580-110511/17-A	05/02/2012 14:31	110511		5	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-32525-6	05/04/2012 10:45	110614		5	50
580-32525-6 DU	05/04/2012 10:45	110614		5	50
580-32525-6 MS	05/04/2012 10:45	110614		5	50
580-32525-6 MSD	05/04/2012 10:45	110614		5	50
580-32525-1	05/04/2012 10:45	110614		5	50
580-32525-2	05/04/2012 10:45	110614		5	50
580-32525-3	05/04/2012 10:45	110614		5	50
580-32525-4	05/04/2012 10:45	110614		5	50
580-32525-5	05/04/2012 10:45	110614		5	50
MB 580-110614/15-A	05/04/2012 10:45	110614		5	50
LCS 580-110614/16-A	05/04/2012 10:45	110614		5	50
LCSD 580-110614/17-A	05/04/2012 10:45	110614		5	50
LCSSRM 580-110614/18-A	05/04/2012 10:45	110614		5	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-32525-9	05/04/2012 11:01	110697		5	50
580-32525-9 DU	05/04/2012 11:01	110697		5	50
580-32525-9 MS	05/04/2012 11:01	110697		5	50
580-32525-9 MSD	05/04/2012 11:01	110697		5	50
580-32525-10	05/04/2012 11:01	110697		5	50
580-32525-11	05/04/2012 11:01	110697		5	50
580-32525-12	05/04/2012 11:01	110697		5	50
580-32525-13	05/04/2012 11:01	110697		5	50
580-32525-14	05/04/2012 11:01	110697		5	50
580-32525-15	05/04/2012 11:01	110697		5	50
MB 580-110612/1-B	05/04/2012 11:01	110697		5	50
LCS 580-110612/2-B	05/04/2012 11:01	110697		5	50
LCSD 580-110612/3-B	05/04/2012 11:01	110697		5	50
LCSSRM 580-110697/16-A	05/04/2012 11:01	110697		5	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Instrument ID: TAC047 Method: 6010B

Start Date: 05/02/2012 17:08 End Date: 05/02/2012 23:09

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
STD0 580-110549/1 IC			17:08	X	X	X	X	X	X	X									
STD1 580-110549/2 IC			17:14	X	X	X	X	X	X	X									
STD2 580-110549/3 IC			17:21	X	X	X	X	X	X	X									
STD3 580-110549/4 IC			17:26	X	X	X	X	X	X	X									
STD4 580-110549/5 IC			17:32	X	X	X	X	X	X	X									
ICV 580-110549/6	1		17:38	X	X	X	X	X	X	X									
ICB 580-110549/7	1		17:44	X	X	X	X	X	X	X									
CRI 580-110549/8	1		17:50	X	X	X	X	X	X	X									
ICSA 580-110549/9	1		18:02	X	X	X	X	X	X	X									
ICSAB 580-110549/10	1		18:08	X	X	X	X	X	X	X									
CCV 580-110549/11			18:14																
CCB 580-110549/12			18:20																
ZZZZZZ			18:26																
ZZZZZZ			18:32																
ZZZZZZ			18:38																
ZZZZZZ			18:44																
ZZZZZZ			18:50																
ZZZZZZ			18:57																
ZZZZZZ			19:03																
ZZZZZZ			19:09																
CCV 580-110549/21			19:15																
CCB 580-110549/22			19:21																
ZZZZZZ			19:27																
ZZZZZZ			19:33																
ZZZZZZ			19:39																
CCV 580-110549/26	1		19:45	X	X	X	X	X	X	X									
CCB 580-110549/27	1		19:51	X	X	X	X	X	X	X									
MB 580-110395/1-B	1	P	19:57	X	X	X	X	X	X	X									
LCS 580-110395/2-B	1	P	20:04	X	X	X	X	X	X	X									
LCSD 580-110395/3-B	1	P	20:10	X	X	X	X	X	X	X									
LCSSRM 580-110509/24-A	1	T	20:16	X	X	X	X	X	X	X									
ZZZZZZ			20:22																
ZZZZZZ			20:28																
ZZZZZZ			20:34																
ZZZZZZ			20:40																
ZZZZZZ			20:46																
ZZZZZZ			20:52																
CCV 580-110549/38	1		20:58	X	X	X	X	X	X	X									
CCB 580-110549/39	1		21:04	X	X	X	X	X	X	X									
ZZZZZZ			21:10																
ZZZZZZ			21:17																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Instrument ID: TAC047 Method: 6010B

Start Date: 05/02/2012 17:08 End Date: 05/02/2012 23:09

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			21:23																
ZZZZZZ			21:29																
ZZZZZZ			21:35																
580-32525-7	1	P	21:42	X	X	X	X	X	X	X									
580-32525-8	1	P	21:48	X	X	X	X	X	X	X									
ZZZZZZ			21:54																
ZZZZZZ			22:00																
CCV 580-110549/49	1		22:07	X	X	X	X	X	X	X									
CCB 580-110549/50	1		22:13	X	X	X	X	X	X	X									
ZZZZZZ			22:19																
ZZZZZZ			22:25																
ZZZZZZ			22:32																
ZZZZZZ			22:38																
ZZZZZZ			22:44																
ZZZZZZ			22:51																
ZZZZZZ			22:57																
CCV 580-110549/58			23:04																
CCB 580-110549/59			23:09																

Prep Types

P = TCLP

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Instrument ID: TAC047 Method: 6010B

Start Date: 05/03/2012 16:43 End Date: 05/03/2012 21:09

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
STD0 580-110648/1 IC			16:43	X	X	X	X	X	X	X									
STD1 580-110648/2 IC			16:49	X	X	X	X	X	X	X									
STD2 580-110648/3 IC			16:55	X	X	X	X	X	X	X									
STD3 580-110648/4 IC			17:01	X	X	X	X	X	X	X									
STD4 580-110648/5 IC			17:07	X	X	X	X	X	X	X									
ICV 580-110648/6	1		17:13	X	X	X	X	X	X	X									
ICB 580-110648/7	1		17:18	X	X	X	X	X	X	X									
CRI 580-110648/8	1		17:25	X	X	X	X	X	X	X									
ICSA 580-110648/9	1		17:37	X	X	X	X	X	X	X									
ICSAB 580-110648/10	1		17:43	X	X	X	X	X	X	X									
CCV 580-110648/11	1		18:48	X	X	X	X	X	X	X									
CCB 580-110648/12	1		18:54	X	X	X	X	X	X	X									
MB 580-110427/1-B	1	P	19:00	X	X	X	X	X	X	X									
LCS 580-110427/2-B	1	P	19:06	X	X	X	X	X	X	X									
LCSD 580-110427/3-B	1	P	19:12	X	X	X	X	X	X	X									
LCSSRM 580-110609/18-A	1	T	19:18	X	X	X	X	X	X	X									
580-32525-6 SD	1	P	19:24	X	X	X	X	X	X	X									
580-32525-6	1	P	19:31	X	X	X	X	X	X	X									
580-32525-6 DU	1	P	19:37	X	X	X	X	X	X	X									
580-32525-6 MS	1	P	19:43	X	X	X	X	X	X	X									
580-32525-6 MSD	1	P	19:49	X	X	X	X	X	X	X									
580-32525-6 PDS	1	P	19:55	X	X	X	X	X	X	X									
CCV 580-110648/23	1		20:01	X	X	X	X	X	X	X									
CCB 580-110648/24	1		20:07	X	X	X	X	X	X	X									
580-32525-1	1	P	20:13	X	X	X	X	X	X	X									
580-32525-2	1	P	20:20	X	X	X	X	X	X	X									
580-32525-3	1	P	20:26	X	X	X	X	X	X	X									
580-32525-4	1	P	20:32	X	X	X	X	X	X	X									
580-32525-5	1	P	20:39	X	X	X	X	X	X	X									
ZZZZZZ			20:45																
ZZZZZZ			20:51																
ZZZZZZ			20:57																
CCV 580-110648/33	1		21:04	X	X	X	X	X	X	X									
CCB 580-110648/34	1		21:09	X	X	X	X	X	X	X									

Prep Types

P = TCLP

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Instrument ID: TAC047 Method: 6010B

Start Date: 05/04/2012 14:59 End Date: 05/04/2012 20:50

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
STD0 580-110747/1 IC			14:59	X	X	X	X	X	X	X									
STD1 580-110747/2 IC			15:05	X	X	X	X	X	X	X									
STD2 580-110747/3 IC			15:11	X	X	X	X	X	X	X									
STD3 580-110747/4 IC			15:17	X	X	X	X	X	X	X									
STD4 580-110747/5 IC			15:23	X	X	X	X	X	X	X									
ICV 580-110747/6	1		15:29	X	X	X	X	X	X	X									
ICB 580-110747/7	1		15:35	X	X	X	X	X	X	X									
CRI 580-110747/8	1		15:41	X	X	X	X	X	X	X									
ICSA 580-110747/9	1		15:53	X	X	X	X	X	X	X									
ICSAB 580-110747/10	1		15:59	X	X	X	X	X	X	X									
CCV 580-110747/11			16:05																
CCB 580-110747/12			16:10																
ZZZZZZ			16:17																
ZZZZZZ			16:23																
ZZZZZZ			16:29																
ZZZZZZ			16:35																
ZZZZZZ			16:40																
ZZZZZZ			16:47																
ZZZZZZ			16:52																
ZZZZZZ			16:58																
ZZZZZZ			17:04																
ZZZZZZ			17:10																
CCV 580-110747/23			17:16																
CCB 580-110747/24			17:21																
ZZZZZZ			17:28																
ZZZZZZ			17:33																
ZZZZZZ			17:39																
ZZZZZZ			17:45																
ZZZZZZ			17:52																
CCV 580-110747/30	1		17:57	X	X	X	X	X	X	X									
CCB 580-110747/31	1		18:03	X	X	X	X	X	X	X									
MB 580-110612/1-C	1	P	18:10	X	X	X	X	X	X	X									
LCS 580-110612/2-C	1	P	18:16	X	X	X	X	X	X	X									
LCSD 580-110612/3-C	1	P	18:22	X	X	X	X	X	X	X									
LCSSRM 580-110695/19-A	1	T	18:28	X	X	X	X	X	X	X									
580-32525-9 SD	5	P	18:34	X	X	X	X	X	X	X									
580-32525-9	1	P	18:40	X	X	X	X	X	X	X									
580-32525-9 DU	1	P	18:46	X	X	X	X	X	X	X									
580-32525-9 MS	1	P	18:53	X	X	X	X	X	X	X									
580-32525-9 MSD	1	P	18:59	X	X	X	X	X	X	X									
580-32525-9 PDS	1	P	19:05	X	X	X	X	X	X	X									

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Instrument ID: TAC047 Method: 6010B

Start Date: 05/04/2012 14:59 End Date: 05/04/2012 20:50

Lab Sample ID	D / F	T y p e	Time	Analytes																				
				A g	A s	B a	C d	C r	P b	S e														
CCV 580-110747/42	1		19:11	X	X	X	X	X	X	X														
CCB 580-110747/43	1		19:16	X	X	X	X	X	X	X														
580-32525-10	1	P	19:23	X	X	X	X	X	X	X														
580-32525-11	1	P	19:29	X	X	X	X	X	X	X														
580-32525-12	1	P	19:35	X	X	X	X	X	X	X														
580-32525-13	1	P	19:42	X	X	X	X	X	X	X														
580-32525-14	1	P	19:48	X	X	X	X	X	X	X														
580-32525-15	1	P	19:54	X	X	X	X	X	X	X														
CCV 580-110747/50	1		20:01	X	X	X	X	X	X	X														
CCB 580-110747/51	1		20:06	X	X	X	X	X	X	X														
ZZZZZZ			20:13																					
ZZZZZZ			20:19																					
ZZZZZZ			20:25																					
ZZZZZZ			20:32																					
ZZZZZZ			20:38																					
CCV 580-110747/57			20:44																					
CCB 580-110747/58			20:50																					

Prep Types
P = TCLP
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Instrument ID: TAC103 Method: 7470A

Start Date: 05/02/2012 13:48 End Date: 05/02/2012 16:38

Lab Sample ID	D / F	Type	Time	Analytes															
				Hg															
STD0 580-110545/1 IC			13:48	X															
STD1 580-110545/2 IC			13:50	X															
STD2 580-110545/3 IC			13:52	X															
STD3 580-110545/4 IC			13:55	X															
STD4 580-110545/5 IC			13:57	X															
STD5 580-110545/6 IC			13:59	X															
ICV 580-110545/7	1		14:01	X															
ICB 580-110545/8	1		14:04	X															
CCV 580-110545/9	1		15:48	X															
CCB 580-110545/10	1		15:50	X															
MB 580-110395/1-C	1	P	15:53	X															
LCS 580-110395/2-C	1	P	15:55	X															
LCSD 580-110395/3-C	1	P	15:57	X															
LCSSRM 580-110511/17-A	1	T	16:00	X															
MB 580-110395/21-C	1	P	16:02	X															
ZZZZZZ			16:04																
ZZZZZZ			16:06																
ZZZZZZ			16:09																
ZZZZZZ			16:11																
ZZZZZZ			16:13																
CCV 580-110545/21	1		16:15	X															
CCB 580-110545/22	1		16:18	X															
ZZZZZZ			16:20																
ZZZZZZ			16:22																
ZZZZZZ			16:25																
ZZZZZZ			16:27																
ZZZZZZ			16:29																
580-32525-7	1	P	16:31	X															
580-32525-8	1	P	16:34	X															
CCV 580-110545/30	1		16:36	X															
CCB 580-110545/31	1		16:38	X															

Prep Types

P = TCLP
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Instrument ID: TAC103 Method: 7470A

Start Date: 05/04/2012 12:13 End Date: 05/04/2012 13:36

Lab Sample ID	D / F	Type	Time	Analytes															
				Hg															
STD0 580-110717/1 IC			12:13	X															
STD1 580-110717/2 IC			12:16	X															
STD2 580-110717/3 IC			12:18	X															
STD3 580-110717/4 IC			12:20	X															
STD4 580-110717/5 IC			12:23	X															
STD5 580-110717/6 IC			12:25	X															
ICV 580-110717/7	1		12:27	X															
ICB 580-110717/8	1		12:30	X															
CCV 580-110717/9	1		12:40	X															
CCB 580-110717/10	1		12:42	X															
MB 580-110614/15-A	1	T	12:44	X															
LCS 580-110614/16-A	1	T	12:47	X															
LCSD 580-110614/17-A	1	T	12:49	X															
LCSSRM 580-110614/18-A	1	T	12:51	X															
580-32525-6	1	P	12:54	X															
580-32525-6 DU	1	P	12:56	X															
580-32525-6 MS	1	P	12:59	X															
580-32525-6 MSD	1	P	13:01	X															
580-32525-1	1	P	13:03	X															
580-32525-2	1	P	13:06	X															
CCV 580-110717/21	1		13:08	X															
CCB 580-110717/22	1		13:10	X															
ZZZZZZ			13:13																
ZZZZZZ			13:15																
580-32525-5	1	P	13:17	X															
ZZZZZZ			13:20																
580-32525-3	1	P	13:22	X															
580-32525-4	1	P	13:24	X															
ZZZZZZ			13:27																
ZZZZZZ			13:29																
ZZZZZZ			13:31																
CCV 580-110717/32	1		13:34	X															
CCB 580-110717/33	1		13:36	X															

Prep Types

P = TCLP

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Instrument ID: TAC103 Method: 7470A

Start Date: 05/04/2012 12:13 End Date: 05/04/2012 15:17

Lab Sample ID	D / F	Type	Time	Analytes																
				Hg																
STD0 580-110759/1 IC			12:13	X																
STD1 580-110759/2 IC			12:16	X																
STD2 580-110759/3 IC			12:18	X																
STD3 580-110759/4 IC			12:20	X																
STD4 580-110759/5 IC			12:23	X																
STD5 580-110759/6 IC			12:25	X																
ICV 580-110759/7	1		12:27	X																
ICB 580-110759/8	1		12:30	X																
ZZZZZZ			12:40																	
ZZZZZZ			12:42																	
ZZZZZZ			12:44																	
ZZZZZZ			12:47																	
ZZZZZZ			12:49																	
ZZZZZZ			12:51																	
ZZZZZZ			12:54																	
ZZZZZZ			12:56																	
ZZZZZZ			12:59																	
ZZZZZZ			13:01																	
ZZZZZZ			13:03																	
ZZZZZZ			13:06																	
ZZZZZZ			13:08																	
ZZZZZZ			13:10																	
ZZZZZZ			13:13																	
ZZZZZZ			13:15																	
ZZZZZZ			13:17																	
ZZZZZZ			13:20																	
ZZZZZZ			13:22																	
ZZZZZZ			13:24																	
ZZZZZZ			13:27																	
ZZZZZZ			13:29																	
ZZZZZZ			13:31																	
CCV 580-110759/32			13:34																	
CCB 580-110759/33			13:36																	
ZZZZZZ			13:46																	
ZZZZZZ			13:48																	
ZZZZZZ			13:50																	
ZZZZZZ			13:53																	
ZZZZZZ			13:55																	
ZZZZZZ			13:57																	
ZZZZZZ			14:00																	
ZZZZZZ			14:02																	
ZZZZZZ			14:04																	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Instrument ID: TAC103 Method: 7470A

Start Date: 05/04/2012 12:13 End Date: 05/04/2012 15:17

Lab Sample ID	D / F	Type	Time	Analytes															
				Hg															
CCV 580-110759/43			14:07																
CCB 580-110759/44			14:09																
ZZZZZZ			14:11																
ZZZZZZ			14:14																
ZZZZZZ			14:16																
ZZZZZZ			14:19																
CCV 580-110759/49	1		14:21	X															
CCB 580-110759/50	1		14:23	X															
MB 580-110612/1-B	1	P	14:26	X															
LCS 580-110612/2-B	1	P	14:28	X															
LCSD 580-110612/3-B	1	P	14:30	X															
LCSSRM 580-110697/16-A	1	T	14:33	X															
580-32525-9	1	P	14:35	X															
580-32525-9 DU	1	P	14:37	X															
580-32525-9 MS	1	P	14:40	X															
580-32525-9 MSD	1	P	14:42	X															
580-32525-10	1	P	14:44	X															
580-32525-11	1	P	14:47	X															
CCV 580-110759/61	1		14:49	X															
CCB 580-110759/62	1		14:52	X															
ZZZZZZ			14:54																
580-32525-13	1	P	14:56	X															
580-32525-14	1	P	14:59	X															
580-32525-15	1	P	15:01	X															
ZZZZZZ			15:03																
ZZZZZZ			15:06																
ZZZZZZ			15:08																
ZZZZZZ			15:10																
580-32525-12	1	P	15:13	X															
CCV 580-110759/72	1		15:15	X															
CCB 580-110759/73	1		15:17	X															

Prep Types

P = TCLP
T = Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110395 Batch Start Date: 05/01/12 12:15 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 05/02/12 11:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_InitialpH	EFD_AddHClpH>5	LeachatepH	TCLP%Solids
MB 580-110395/1		1311, 3010A, 6010B		100.00 g	2000 mL	4.90 SU		4.90 SU	100 %
LCS 580-110395/2		1311, 3010A, 6010B		100.00 g	2000 mL	4.90 SU		4.90 SU	100 %
LCSD 580-110395/3		1311, 3010A, 6010B		100.00 g	2000 mL	4.90 SU		4.90 SU	100 %
580-32525-A-7	TCLP-212	1311, 3010A, 6010B	P	100.32 g	2000 mL	6.14 SU	1.16	4.83 SU	100 %
580-32525-A-8	TCLP-216	1311, 3010A, 6010B	P	100.38 g	2000 mL	5.82 SU	1.02	4.84 SU	100 %

Lab Sample ID	Client Sample ID	Method Chain	Basis	ExtractFluid	AnalysisComment				
MB 580-110395/1		1311, 3010A, 6010B		1	FILTERED WITH LOT# 4767548				
LCS 580-110395/2		1311, 3010A, 6010B		1	FILTERED WITH LOT# 4767548				
LCSD 580-110395/3		1311, 3010A, 6010B		1	FILTERED WITH LOT# 4767548				
580-32525-A-7	TCLP-212	1311, 3010A, 6010B	P	1	FILTERED WITH LOT# 4767548				
580-32525-A-8	TCLP-216	1311, 3010A, 6010B	P	1	FILTERED WITH LOT# 4767548				

Batch Notes	
Balance ID	SEA212
First End time	5/2/12 @ 1130
Hot Plate ID	SP73235
pH Meter ID	3
Room Temperature Thermometer ID	5117058
First Start time	5/1/12 @ 1730
TCLP Fluid 1 ID	899491,899711,899712
TCLP Fluid 2 ID	895090
Tumbler Rotations per Minute	30
Uncorrected Final Room Temperature	21.1...corrected 21.0 Celsius
Uncorrected Initial Room Temperature	22.7...corrected 22.6 Celsius

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110395 Batch Start Date: 05/01/12 12:15 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 05/02/12 11:30

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110427 Batch Start Date: 05/01/12 17:58 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_InitialpH	EFD_AddHClpH>5	LeachatepH	TCLP%Solids
MB 580-110427/1		1311, 3010A, 6010B		100.00 g	2000 mL	4.90 SU		4.90 SU	100 %
LCS 580-110427/2		1311, 3010A, 6010B		100.00 g	2000 mL	4.90 SU		4.90 SU	100 %
LCSD 580-110427/3		1311, 3010A, 6010B		100.00 g	2000 mL	4.90 SU		4.90 SU	100 %
580-32525-A-1	TCLP-170	1311, 3010A, 6010B	P	100.42 g	2000 mL	6.25 SU	1.14	4.84 SU	100 %
580-32525-A-2	TCLP-172	1311, 3010A, 6010B	P	100.09 g	2000 mL	6.48 SU	1.39	4.85 SU	100 %
580-32525-A-3	TCLP-173	1311, 3010A, 6010B	P	100.23 g	2000 mL	6.44 SU	1.15	4.84 SU	100 %
580-32525-A-4	TCLP-176	1311, 3010A, 6010B	P	100.05 g	2000 mL	6.40 SU	1.19	4.83 SU	100 %
580-32525-A-5	TCLP-208	1311, 3010A, 6010B	P	100.20 g	2000 mL	6.42 SU	1.25	4.88 SU	100 %
580-32525-A-6	TCLP-210	1311, 3010A, 6010B	P	100.01 g	2000 mL	6.21 SU	1.17	4.84 SU	100 %

Lab Sample ID	Client Sample ID	Method Chain	Basis	ExtractFluid	AnalysisComment				
MB 580-110427/1		1311, 3010A, 6010B		1	FILTERED WITH LOT# 4767548				
LCS 580-110427/2		1311, 3010A, 6010B		1	FILTERED WITH LOT# 4767548				
LCSD 580-110427/3		1311, 3010A, 6010B		1	FILTERED WITH LOT# 4767548				
580-32525-A-1	TCLP-170	1311, 3010A, 6010B	P	1	FILTERED WITH LOT# 4767548				
580-32525-A-2	TCLP-172	1311, 3010A, 6010B	P	1	FILTERED WITH LOT# 4767548				
580-32525-A-3	TCLP-173	1311, 3010A, 6010B	P	1	FILTERED WITH LOT# 4767548				
580-32525-A-4	TCLP-176	1311, 3010A, 6010B	P	1	FILTERED WITH LOT# 4767548				
580-32525-A-5	TCLP-208	1311, 3010A, 6010B	P	1	FILTERED WITH LOT# 4767548				
580-32525-A-6	TCLP-210	1311, 3010A, 6010B	P	1	FILTERED WITH LOT# 4767548				

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110427 Batch Start Date: 05/01/12 17:58 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: _____

Batch Notes	
Balance ID	SEA212
First End time	5/3/12 @ 1130
Hot Plate ID	SP73235
pH Meter ID	3
First Start time	5/2/12 @ 1800
TCLP Fluid 1 ID	899712
Tumbler Rotations per Minute	30
Uncorrected Final Room Temperature	21.1...corrected 21.0 Celsius
Uncorrected Initial Room Temperature	23.3..corrected 23.2 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110509 Batch Start Date: 05/02/12 13:28 Batch Analyst: Boardway, Peter A

Batch Method: 3010A Batch End Date: 05/02/12 17:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	m-GPS-1 00022	m-GPS-2 00019	m-GPS-3 00019	m-GPS-4 00021
580-32525-A-7-A	TCLP-212	3010A, 6010B	P	50 mL	50 mL				
580-32525-A-8-A	TCLP-216	3010A, 6010B	P	50 mL	50 mL				
MB 580-110395/1-A		3010A, 6010B		50 mL	50 mL				
LCS 580-110395/2-A		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCSD 580-110395/3-A		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCSSRM 580-110509/24		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MS-HgSpk 00011	AnalysisComment				
580-32525-A-7-A	TCLP-212	3010A, 6010B	P						
580-32525-A-8-A	TCLP-216	3010A, 6010B	P						
MB 580-110395/1-A		3010A, 6010B			sol 1				
LCS 580-110395/2-A		3010A, 6010B		1 mL					
LCSD 580-110395/3-A		3010A, 6010B		1 mL					
LCSSRM 580-110509/24		3010A, 6010B		1 mL					

Batch Notes	
Lot # of hydrochloric acid	864490
Lot # of Nitric Acid	878966
Hot Block ID number	38010
Oven, Bath or Block Temperature 1	94 CORRECTED-TEMP Degrees C
Pipette ID	METALS-PREP-2
ID number of the thermometer	15-041-1A-B
Digestion Tube/Cup Lot #	878617
Uncorrected Temperature	95 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110609 Batch Start Date: 05/03/12 13:02 Batch Analyst: Boardway, Peter A

Batch Method: 3010A Batch End Date: 05/03/12 17:05

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	m-GPS-1 00022	m-GPS-2 00019	m-GPS-3 00019	m-GPS-4 00021
580-32525-A-6-B	TCLP-210	3010A, 6010B	P	50 mL	50 mL				
580-32525-A-6-B DU	TCLP-210	3010A, 6010B	P	50 mL	50 mL				
580-32525-A-6-B MS	TCLP-210	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-32525-A-6-B MSD	TCLP-210	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-32525-A-1-C	TCLP-170	3010A, 6010B	P	50 mL	50 mL				
580-32525-A-2-C	TCLP-172	3010A, 6010B	P	50 mL	50 mL				
580-32525-A-3-B	TCLP-173	3010A, 6010B	P	50 mL	50 mL				
580-32525-A-4-B	TCLP-176	3010A, 6010B	P	50 mL	50 mL				
580-32525-A-5-B	TCLP-208	3010A, 6010B	P	50 mL	50 mL				
MB 580-110427/1-A		3010A, 6010B		50 mL	50 mL				
LCS 580-110427/2-A		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCSD 580-110427/3-A		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCSSRM 580-110609/18		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MS-HgSpk 00011					
580-32525-A-6-B	TCLP-210	3010A, 6010B	P						
580-32525-A-6-B DU	TCLP-210	3010A, 6010B	P						
580-32525-A-6-B MS	TCLP-210	3010A, 6010B	P	1 mL					
580-32525-A-6-B MSD	TCLP-210	3010A, 6010B	P	1 mL					
580-32525-A-1-C	TCLP-170	3010A, 6010B	P						
580-32525-A-2-C	TCLP-172	3010A, 6010B	P						
580-32525-A-3-B	TCLP-173	3010A, 6010B	P						
580-32525-A-4-B	TCLP-176	3010A, 6010B	P						
580-32525-A-5-B	TCLP-208	3010A, 6010B	P						
MB 580-110427/1-A		3010A, 6010B							
LCS 580-110427/2-A		3010A, 6010B		1 mL					
LCSD 580-110427/3-A		3010A, 6010B		1 mL					

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110609 Batch Start Date: 05/03/12 13:02 Batch Analyst: Boardway, Peter A

Batch Method: 3010A Batch End Date: 05/03/12 17:05

Lab Sample ID	Client Sample ID	Method Chain	Basis	MS-HgSpk 00011					
LCSSRM 580-110609/18		3010A, 6010B		1 mL					

Batch Notes	
Lot # of hydrochloric acid	864490
Lot # of Nitric Acid	878966
Hot Block ID number	38010
Oven, Bath or Block Temperature 1	94 CORRECTED-TEMP Degrees C
Pipette ID	METALS-PREP-2
ID number of the thermometer	15-041-1A-B
Digestion Tube/Cup Lot #	878617
Uncorrected Temperature	95 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110612 Batch Start Date: 05/03/12 13:16 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 05/04/12 08:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_InitialpH	EFD_AddHClpH>5	LeachatepH	TCLP%Solids
MB 580-110612/1		1311, 3010A, 6010B		100.00 g	2000 mL	4.90 SU		4.90 SU	100 %
LCS 580-110612/2		1311, 3010A, 6010B		100.00 g	2000 mL	4.90 SU		4.90 SU	100 %
LCSD 580-110612/3		1311, 3010A, 6010B		100.00 g	2000 mL	4.90 SU		4.90 SU	100 %
580-32525-A-9	TCLP-219	1311, 3010A, 6010B	P	100.16 g	2000 mL	6.48 SU	1.19	4.87 SU	100 %
580-32525-A-10	TCLP-221	1311, 3010A, 6010B	P	100.08 g	2000 mL	6.35 SU	1.42	4.81 SU	100 %
580-32525-A-11	TCLP-223	1311, 3010A, 6010B	P	100.45 g	2000 mL	6.65 SU	1.24	4.82 SU	100 %
580-32525-A-12	TCLP-239	1311, 3010A, 6010B	P	100.48 g	2000 mL	6.55 SU	1.32	4.84 SU	100 %
580-32525-A-13	TCLP-240	1311, 3010A, 6010B	P	100.45 g	2000 mL	6.71 SU	1.33	4.84 SU	100 %
580-32525-A-14	TCLP-245	1311, 3010A, 6010B	P	100.44 g	2000 mL	6.64 SU	1.20	4.84 SU	100 %
580-32525-A-15	TCLP-246	1311, 3010A, 6010B	P	100.31 g	2000 mL	6.16 SU	1.66	4.85 SU	100 %

Lab Sample ID	Client Sample ID	Method Chain	Basis	ExtractFluid	AnalysisComment				
MB 580-110612/1		1311, 3010A, 6010B		1	FILTERED WITH LOT# 4767548				
LCS 580-110612/2		1311, 3010A, 6010B		1	FILTERED WITH LOT# 4767548				
LCSD 580-110612/3		1311, 3010A, 6010B		1	FILTERED WITH LOT# 4767548				
580-32525-A-9	TCLP-219	1311, 3010A, 6010B	P	1	FILTERED WITH LOT# 4767548				
580-32525-A-10	TCLP-221	1311, 3010A, 6010B	P	1	FILTERED WITH LOT# 4767548				
580-32525-A-11	TCLP-223	1311, 3010A, 6010B	P	1	FILTERED WITH LOT# 4767548				
580-32525-A-12	TCLP-239	1311, 3010A, 6010B	P	1	FILTERED WITH LOT# 4767548				
580-32525-A-13	TCLP-240	1311, 3010A, 6010B	P	1	FILTERED WITH LOT# 4767548				
580-32525-A-14	TCLP-245	1311, 3010A, 6010B	P	1	FILTERED WITH LOT# 4767548				
580-32525-A-15	TCLP-246	1311, 3010A, 6010B	P	1	FILTERED WITH LOT# 4767548				

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110612 Batch Start Date: 05/03/12 13:16 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 05/04/12 08:30

Batch Notes	
Balance ID	SEA212
First End time	5/4/12 @ 0830
Hot Plate ID	SP73235
pH Meter ID	3
Room Temperature Thermometer ID	5117058
First Start time	5/3/12 @ 1430
TCLP Fluid 1 ID	900689,900817
Tumbler Rotations per Minute	30
Uncorrected Final Room Temperature	23.6...corrected 23.5 Celsius
Uncorrected Initial Room Temperature	23.0...corrected 22.9 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110695 Batch Start Date: 05/04/12 11:30 Batch Analyst: Froyland, Zoe

Batch Method: 3010A Batch End Date: 05/04/12 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	m-GPS-1 00022	m-GPS-2 00019	m-GPS-3 00019	m-GPS-4 00021
580-32525-A-9-A	TCLP-219	3010A, 6010B	P	50 mL	50 mL				
580-32525-A-9-A DU	TCLP-219	3010A, 6010B	P	50 mL	50 mL				
580-32525-A-9-A MS	TCLP-219	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-32525-A-9-A MSD	TCLP-219	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-32525-A-10-A	TCLP-221	3010A, 6010B	P	50 mL	50 mL				
580-32525-A-11-A	TCLP-223	3010A, 6010B	P	50 mL	50 mL				
580-32525-A-12-A	TCLP-239	3010A, 6010B	P	50 mL	50 mL				
580-32525-A-13-A	TCLP-240	3010A, 6010B	P	50 mL	50 mL				
580-32525-A-14-A	TCLP-245	3010A, 6010B	P	50 mL	50 mL				
580-32525-A-15-A	TCLP-246	3010A, 6010B	P	50 mL	50 mL				
580-110612/1-A MB LCS		3010A, 6010B		50 mL	50 mL				
580-110612/2-A LCS		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-110612/3-A LCSD		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-110695/19 LCSSRM		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL

Batch Notes	
Lot # of hydrochloric acid	878991
Lot # of Nitric Acid	893332
Hot Block ID number	38008
Oven, Bath or Block Temperature 1	94 CORRECTED-TEMP Degrees C
Pipette ID	METALS-PREP-2
ID number of the thermometer	15-041-1A-B
Digestion Tube/Cup Lot #	878617
Uncorrected Temperature	95 Celsius

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110695 Batch Start Date: 05/04/12 11:30 Batch Analyst: Froyland, Zoe

Batch Method: 3010A Batch End Date: 05/04/12 16:00

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110395 Batch Start Date: 05/01/12 12:15 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 05/02/12 11:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_InitialpH	EFD_AddHClpH>5	LeachatepH	TCLP%Solids
MB 580-110395/1		1311, 7470A, 7470A		100.00 g	2000 mL	4.90 SU		4.90 SU	100 %
LCS 580-110395/2		1311, 7470A, 7470A		100.00 g	2000 mL	4.90 SU		4.90 SU	100 %
LCSD 580-110395/3		1311, 7470A, 7470A		100.00 g	2000 mL	4.90 SU		4.90 SU	100 %
580-32525-A-7	TCLP-212	1311, 7470A, 7470A	P	100.32 g	2000 mL	6.14 SU	1.16	4.83 SU	100 %
580-32525-A-8	TCLP-216	1311, 7470A, 7470A	P	100.38 g	2000 mL	5.82 SU	1.02	4.84 SU	100 %
MB 580-110395/21		1311, 7470A, 7470A		100.00 g	2000 mL	2.94 SU		2.94 SU	100 %

Lab Sample ID	Client Sample ID	Method Chain	Basis	ExtractFluid	AnalysisComment			
MB 580-110395/1		1311, 7470A, 7470A		1	FILTERED WITH LOT# 4767548			
LCS 580-110395/2		1311, 7470A, 7470A		1	FILTERED WITH LOT# 4767548			
LCSD 580-110395/3		1311, 7470A, 7470A		1	FILTERED WITH LOT# 4767548			
580-32525-A-7	TCLP-212	1311, 7470A, 7470A	P	1	FILTERED WITH LOT# 4767548			
580-32525-A-8	TCLP-216	1311, 7470A, 7470A	P	1	FILTERED WITH LOT# 4767548			
MB 580-110395/21		1311, 7470A, 7470A		2	FILTERED WITH LOT# 4767548			

Batch Notes	
Balance ID	SEA212
First End time	5/2/12 @ 1130
Hot Plate ID	SP73235
pH Meter ID	3
Room Temperature Thermometer ID	5117058
First Start time	5/1/12 @ 1730
TCLP Fluid 1 ID	899491,899711,899712
TCLP Fluid 2 ID	895090
Tumbler Rotations per Minute	30
Uncorrected Final Room Temperature	21.1...corrected 21.0 Celsius
Uncorrected Initial Room Temperature	22.7...corrected 22.6 Celsius

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110395 Batch Start Date: 05/01/12 12:15 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 05/02/12 11:30

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110427 Batch Start Date: 05/01/12 17:58 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_InitialpH	EFD_AddHClpH>5	LeachatepH	TCLP%Solids
580-32525-A-1	TCLP-170	1311, 7470A, 7470A	P	100.42 g	2000 mL	6.25 SU	1.14	4.84 SU	100 %
580-32525-A-2	TCLP-172	1311, 7470A, 7470A	P	100.09 g	2000 mL	6.48 SU	1.39	4.85 SU	100 %
580-32525-A-3	TCLP-173	1311, 7470A, 7470A	P	100.23 g	2000 mL	6.44 SU	1.15	4.84 SU	100 %
580-32525-A-4	TCLP-176	1311, 7470A, 7470A	P	100.05 g	2000 mL	6.40 SU	1.19	4.83 SU	100 %
580-32525-A-5	TCLP-208	1311, 7470A, 7470A	P	100.20 g	2000 mL	6.42 SU	1.25	4.88 SU	100 %
580-32525-A-6	TCLP-210	1311, 7470A, 7470A	P	100.01 g	2000 mL	6.21 SU	1.17	4.84 SU	100 %

Lab Sample ID	Client Sample ID	Method Chain	Basis	ExtractFluid	AnalysisComment			
580-32525-A-1	TCLP-170	1311, 7470A, 7470A	P	1	FILTERED WITH LOT# 4767548			
580-32525-A-2	TCLP-172	1311, 7470A, 7470A	P	1	FILTERED WITH LOT# 4767548			
580-32525-A-3	TCLP-173	1311, 7470A, 7470A	P	1	FILTERED WITH LOT# 4767548			
580-32525-A-4	TCLP-176	1311, 7470A, 7470A	P	1	FILTERED WITH LOT# 4767548			
580-32525-A-5	TCLP-208	1311, 7470A, 7470A	P	1	FILTERED WITH LOT# 4767548			
580-32525-A-6	TCLP-210	1311, 7470A, 7470A	P	1	FILTERED WITH LOT# 4767548			

Batch Notes	
Balance ID	SEA212
First End time	5/3/12 @ 1130
Hot Plate ID	SP73235
pH Meter ID	3
First Start time	5/2/12 @ 1800
TCLP Fluid 1 ID	899712
Tumbler Rotations per Minute	30
Uncorrected Final Room Temperature	21.1...corrected 21.0 Celsius
Uncorrected Initial Room Temperature	23.3..corrected 23.2 Celsius

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110427 Batch Start Date: 05/01/12 17:58 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: _____

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110511 Batch Start Date: 05/02/12 13:42 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 05/02/12 15:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_CAL_WORK 00011			
580-32525-A-7-A	TCLP-212	7470A, 7470A	P	5 mL	50 mL				
580-32525-A-8-A	TCLP-216	7470A, 7470A	P	5 mL	50 mL				
MB 580-110395/1-A		7470A, 7470A		5 mL	50 mL				
LCS 580-110395/2-A		7470A, 7470A		5 mL	50 mL	1 mL			
LCSD 580-110395/3-A		7470A, 7470A		5 mL	50 mL	1 mL			
MB 580-110395/21-A		7470A, 7470A		5 mL	50 mL				
LCSSRM 580-110511/17		7470A, 7470A		5 mL	50 mL	1 mL			

Batch Notes	
Hydroxylamine Hydrochloride Lot	899358
Sulfuric Acid Lot Number	867001
Lot # of hydrochloric acid	864490
Lot # of Nitric Acid	878966
Hot Block ID number	38008
Potassium Persulfate Lot Number	782098
Potassium Permanganate Lot Number	861293
NaCL Lot #	825163
Oven, Bath or Block Temperature 1	94 CORRECTED-TEMP Degrees C
Pipette ID	METALS-PREP-2
Stannous Chloride Lot Number	790550
ID number of the thermometer	15-041-1A-B
Digestion Tube/Cup Lot #	878617
Uncorrected Temperature	95 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110612 Batch Start Date: 05/03/12 13:16 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 05/04/12 08:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_InitialpH	EFD_AddHClpH>5	LeachatepH	TCLP%Solids
MB 580-110612/1		1311, 7470A, 7470A		100.00 g	2000 mL	4.90 SU		4.90 SU	100 %
LCS 580-110612/2		1311, 7470A, 7470A		100.00 g	2000 mL	4.90 SU		4.90 SU	100 %
LCSD 580-110612/3		1311, 7470A, 7470A		100.00 g	2000 mL	4.90 SU		4.90 SU	100 %
580-32525-A-9	TCLP-219	1311, 7470A, 7470A	P	100.16 g	2000 mL	6.48 SU	1.19	4.87 SU	100 %
580-32525-A-10	TCLP-221	1311, 7470A, 7470A	P	100.08 g	2000 mL	6.35 SU	1.42	4.81 SU	100 %
580-32525-A-11	TCLP-223	1311, 7470A, 7470A	P	100.45 g	2000 mL	6.65 SU	1.24	4.82 SU	100 %
580-32525-A-12	TCLP-239	1311, 7470A, 7470A	P	100.48 g	2000 mL	6.55 SU	1.32	4.84 SU	100 %
580-32525-A-13	TCLP-240	1311, 7470A, 7470A	P	100.45 g	2000 mL	6.71 SU	1.33	4.84 SU	100 %
580-32525-A-14	TCLP-245	1311, 7470A, 7470A	P	100.44 g	2000 mL	6.64 SU	1.20	4.84 SU	100 %
580-32525-A-15	TCLP-246	1311, 7470A, 7470A	P	100.31 g	2000 mL	6.16 SU	1.66	4.85 SU	100 %

Lab Sample ID	Client Sample ID	Method Chain	Basis	ExtractFluid	AnalysisComment				
MB 580-110612/1		1311, 7470A, 7470A		1	FILTERED WITH LOT# 4767548				
LCS 580-110612/2		1311, 7470A, 7470A		1	FILTERED WITH LOT# 4767548				
LCSD 580-110612/3		1311, 7470A, 7470A		1	FILTERED WITH LOT# 4767548				
580-32525-A-9	TCLP-219	1311, 7470A, 7470A	P	1	FILTERED WITH LOT# 4767548				
580-32525-A-10	TCLP-221	1311, 7470A, 7470A	P	1	FILTERED WITH LOT# 4767548				
580-32525-A-11	TCLP-223	1311, 7470A, 7470A	P	1	FILTERED WITH LOT# 4767548				
580-32525-A-12	TCLP-239	1311, 7470A, 7470A	P	1	FILTERED WITH LOT# 4767548				
580-32525-A-13	TCLP-240	1311, 7470A, 7470A	P	1	FILTERED WITH LOT# 4767548				
580-32525-A-14	TCLP-245	1311, 7470A, 7470A	P	1	FILTERED WITH LOT# 4767548				
580-32525-A-15	TCLP-246	1311, 7470A, 7470A	P	1	FILTERED WITH LOT# 4767548				

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110612 Batch Start Date: 05/03/12 13:16 Batch Analyst: Stearns, Ryan

Batch Method: 1311 Batch End Date: 05/04/12 08:30

Batch Notes	
Balance ID	SEA212
First End time	5/4/12 @ 0830
Hot Plate ID	SP73235
pH Meter ID	3
Room Temperature Thermometer ID	5117058
First Start time	5/3/12 @ 1430
TCLP Fluid 1 ID	900689,900817
Tumbler Rotations per Minute	30
Uncorrected Final Room Temperature	23.6...corrected 23.5 Celsius
Uncorrected Initial Room Temperature	23.0...corrected 22.9 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110614 Batch Start Date: 05/04/12 10:45 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 05/04/12 12:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_CAL_WORK 00011			
580-32525-A-6-B	TCLP-210	7470A, 7470A	P	5 mL	50 mL				
580-32525-A-6-B DU	TCLP-210	7470A, 7470A	P	5 mL	50 mL				
580-32525-A-6-B MS	TCLP-210	7470A, 7470A	P	5 mL	50 mL	1 mL			
580-32525-A-6-B MSD	TCLP-210	7470A, 7470A	P	5 mL	50 mL	1 mL			
580-32525-A-1-C	TCLP-170	7470A, 7470A	P	5 mL	50 mL				
580-32525-A-2-C	TCLP-172	7470A, 7470A	P	5 mL	50 mL				
580-32525-A-3-B	TCLP-173	7470A, 7470A	P	5 mL	50 mL				
580-32525-A-4-B	TCLP-176	7470A, 7470A	P	5 mL	50 mL				
580-32525-A-5-B	TCLP-208	7470A, 7470A	P	5 mL	50 mL				
MB 580-110614/15		7470A, 7470A		5 mL	50 mL				
LCS 580-110614/16		7470A, 7470A		5 mL	50 mL	1 mL			
LCSD 580-110614/17		7470A, 7470A		5 mL	50 mL	1 mL			
LCSSRM 580-110614/18		7470A, 7470A		5 mL	50 mL	1 mL			

Batch Notes	
Hydroxylamine Hydrochloride Lot	899358
Sulfuric Acid Lot Number	867001
Lot # of hydrochloric acid	864490
Lot # of Nitric Acid	878966
Hot Block ID number	38010
Potassium Persulfate Lot Number	782098
Potassium Permanganate Lot Number	861293
NaCL Lot #	825163
Oven, Bath or Block Temperature 1	94 CORRECTED-TEMP Degrees C
Pipette ID	METALS-PREP-2
Stannous Chloride Lot Number	790550
ID number of the thermometer	15-041-1A-B
Digestion Tube/Cup Lot #	878617
Uncorrected Temperature	95 Celsius

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110614 Batch Start Date: 05/04/12 10:45 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 05/04/12 12:45

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110697 Batch Start Date: 05/04/12 11:01 Batch Analyst: Froyland, Zoe

Batch Method: 7470A Batch End Date: 05/04/12 13:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_SPK_WORK 00011			
580-32525-A-9-A	TCLP-219	7470A, 7470A	P	5 mL	50 mL				
580-32525-A-9-A DU	TCLP-219	7470A, 7470A	P	5 mL	50 mL				
580-32525-A-9-A MS	TCLP-219	7470A, 7470A	P	5 mL	50 mL	1 mL			
580-32525-A-9-A MSD	TCLP-219	7470A, 7470A	P	5 mL	50 mL	1 mL			
580-32525-A-10-A	TCLP-221	7470A, 7470A	P	5 mL	50 mL				
580-32525-A-11-A	TCLP-223	7470A, 7470A	P	5 mL	50 mL				
580-32525-A-12-A	TCLP-239	7470A, 7470A	P	5 mL	50 mL				
580-32525-A-13-A	TCLP-240	7470A, 7470A	P	5 mL	50 mL				
580-32525-A-14-A	TCLP-245	7470A, 7470A	P	5 mL	50 mL				
580-32525-A-15-A MB	TCLP-246	7470A, 7470A	P	5 mL	50 mL				
580-110612/1-A LCS		7470A, 7470A		5 mL	50 mL	1 mL			
580-110612/2-A LCSD		7470A, 7470A		5 mL	50 mL	1 mL			
580-110612/3-A LCSSRM		7470A, 7470A		5 mL	50 mL	1 mL			
580-110697/16									

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110697 Batch Start Date: 05/04/12 11:01 Batch Analyst: Froyland, Zoe

Batch Method: 7470A Batch End Date: 05/04/12 13:30

Batch Notes	
Hydroxylamine Hydrochloride Lot	899358
Sulfuric Acid Lot Number	867001
Lot # of hydrochloric acid	878991
Lot # of Nitric Acid	893332
Hood ID or number	06
Hot Block ID number	38010
Potassium Persulfate Lot Number	782098
Potassium Permanganate Lot Number	861293
NaCL Lot #	825163
Oven, Bath or Block Temperature 1	94 CORRECTED-TEMP Celsius
Pipette ID	METALS-PREP-2
Stannous Chloride Lot Number	790550
ID number of the thermometer	15-041-1A-B
Digestion Tube/Cup Lot #	878617
Uncorrected Temperature	95 Celsius

Basis	Basis Description
P	TCLP

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32525-1

SDG No.: _____

Project: Everett Smelter Uplands

Client Sample ID	Lab Sample ID
<u>TCLP-170</u>	<u>580-32525-1</u>
<u>TCLP-172</u>	<u>580-32525-2</u>
<u>TCLP-173</u>	<u>580-32525-3</u>
<u>TCLP-176</u>	<u>580-32525-4</u>
<u>TCLP-208</u>	<u>580-32525-5</u>
<u>TCLP-210</u>	<u>580-32525-6</u>
<u>TCLP-212</u>	<u>580-32525-7</u>
<u>TCLP-216</u>	<u>580-32525-8</u>
<u>TCLP-219</u>	<u>580-32525-9</u>
<u>TCLP-221</u>	<u>580-32525-10</u>
<u>TCLP-223</u>	<u>580-32525-11</u>
<u>TCLP-239</u>	<u>580-32525-12</u>
<u>TCLP-240</u>	<u>580-32525-13</u>
<u>TCLP-245</u>	<u>580-32525-14</u>
<u>TCLP-246</u>	<u>580-32525-15</u>

Comments:

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-170

Lab Sample ID: 580-32525-1

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 12:05

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH	5.10			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-172

Lab Sample ID: 580-32525-2

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 12:20

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH	5.45			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-173

Lab Sample ID: 580-32525-3

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 13:00

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH	5.87			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-176

Lab Sample ID: 580-32525-4

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 13:15

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH	5.43			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-208

Lab Sample ID: 580-32525-5

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 14:25

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH	5.65			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-210

Lab Sample ID: 580-32525-6

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 14:05

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH	5.45			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-212

Lab Sample ID: 580-32525-7

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 14:45

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH	5.42			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-216

Lab Sample ID: 580-32525-8

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 15:15

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH	4.76			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-219

Lab Sample ID: 580-32525-9

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 15:30

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH	5.51			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-221

Lab Sample ID: 580-32525-10

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 15:45

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH	5.53			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-223

Lab Sample ID: 580-32525-11

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 16:00

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH	5.72			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-239

Lab Sample ID: 580-32525-12

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 16:15

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH	5.43			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-240

Lab Sample ID: 580-32525-13

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 16:30

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH	5.92			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-245

Lab Sample ID: 580-32525-14

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 16:45

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH	5.82			SU			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: TCLP-246

Lab Sample ID: 580-32525-15

Lab Name: TestAmerica Seattle

Job No.: 580-32525-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/24/2012 17:00

Reporting Basis: WET

Date Received: 04/25/2012 10:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH	6.23			SU			1	9045C

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32525-1
SDG No.: _____
Analyst: JP Batch Start Date: 05/02/2012
Reporting Units: SU Analytical Batch No.: 110531

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	11:15	pH	7.000					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32525-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: D 2216 RL Date: 01/01/2005 13:13

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Instrument ID: NOEQUIP Method: 9045C

Start Date: 05/02/2012 11:15 End Date: 05/02/2012 14:20

Lab Sample ID	D / F	T y p e	Time	Analytes															
				P H															
ICV 580-110531/1	1		11:15	X															
ZZZZZZ			11:25																
ZZZZZZ			11:28																
ZZZZZZ			11:32																
ZZZZZZ			11:38																
580-32525-1	1	T	12:19	X															
580-32525-2	1	T	12:21	X															
580-32525-3	1	T	12:23	X															
580-32525-4	1	T	12:25	X															
580-32525-5	1	T	12:40	X															
580-32525-6	1	T	13:55	X															
580-32525-7	1	T	13:58	X															
580-32525-8	1	T	14:00	X															
580-32525-9	1	T	14:02	X															
580-32525-10	1	T	14:04	X															
580-32525-11	1	T	14:07	X															
580-32525-12	1	T	14:10	X															
580-32525-13	1	T	14:12	X															
580-32525-14	1	T	14:15	X															
580-32525-15	1	T	14:20	X															

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Instrument ID: NOEQUIP Method: D 2216

Start Date: 05/02/2012 12:15 End Date: 05/02/2012 12:15

Lab Sample ID	D / F	T y p e	Time	Analytes																
				% S o l	M o i s t															
ZZZZZZ			12:15																	
ZZZZZZ			12:15																	
ZZZZZZ			12:15																	
ZZZZZZ			12:15																	
ZZZZZZ			12:15																	
ZZZZZZ			12:15																	
ZZZZZZ			12:15																	
ZZZZZZ			12:15																	
ZZZZZZ			12:15																	
ZZZZZZ			12:15																	
ZZZZZZ			12:15																	
ZZZZZZ			12:15																	
ZZZZZZ			12:15																	
580-32525-1	1	T	12:15	X	X															
580-32525-2	1	T	12:15	X	X															
580-32525-3	1	T	12:15	X	X															
580-32525-4	1	T	12:15	X	X															
580-32525-5	1	T	12:15	X	X															
580-32525-6	1	T	12:15	X	X															
580-32525-7	1	T	12:15	X	X															

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Instrument ID: NOEQUIP Method: D 2216

Start Date: 05/02/2012 12:58 End Date: 05/02/2012 12:58

Lab Sample ID	D / F	T y p e	Time	Analytes																
				% S o l	M o i s t															
580-32525-8	1	T	12:58	X	X															
580-32525-8 DU	1	T	12:58	X	X															
580-32525-9	1	T	12:58	X	X															
580-32525-10	1	T	12:58	X	X															
580-32525-11	1	T	12:58	X	X															
580-32525-12	1	T	12:58	X	X															
580-32525-13	1	T	12:58	X	X															
580-32525-14	1	T	12:58	X	X															
580-32525-15	1	T	12:58	X	X															
ZZZZZZ			12:58																	
ZZZZZZ			12:58																	
ZZZZZZ			12:58																	
ZZZZZZ			12:58																	
ZZZZZZ			12:58																	
ZZZZZZ			12:58																	
ZZZZZZ			12:58																	
ZZZZZZ			12:58																	
ZZZZZZ			12:58																	
ZZZZZZ			12:58																	
ZZZZZZ			12:58																	

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110495 Batch Start Date: 05/02/12 12:15 Batch Analyst: DeMonnin, Robert

Batch Method: D 2216 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-32525-A-1	TCLP-170	D 2216	T	0.7827 g	6.7104 g	5.2289 g			
580-32525-A-2	TCLP-172	D 2216	T	0.8059 g	8.0826 g	6.6309 g			
580-32525-A-3	TCLP-173	D 2216	T	0.7992 g	6.6387 g	5.5138 g			
580-32525-A-4	TCLP-176	D 2216	T	0.8004 g	6.5950 g	5.2408 g			
580-32525-A-5	TCLP-208	D 2216	T	0.7978 g	7.3947 g	5.6146 g			
580-32525-A-6	TCLP-210	D 2216	T	0.7979 g	8.3153 g	6.7176 g			
580-32525-A-7	TCLP-212	D 2216	T	0.8003 g	7.6822 g	6.0506 g			

Batch Notes	
Balance ID	SEA222 No Unit
Date samples were placed in the oven	05/02/2012
Oven Temp when samples are put in oven	110.5 Degrees C
Time samples were place in the oven	1250
Date samples were removed from oven	05/03/2012
Oven Temp when samples removed from oven	106.5 Degrees C
Time Samples were removed from oven	1325
Oven ID	TAC306
ID number of the thermometer	3A4823
Uncorrected In Temperature	110 Celsius
Uncorrected Out Temperature	106 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32525-1

SDG No.: _____

Batch Number: 110499 Batch Start Date: 05/02/12 12:58 Batch Analyst: DeMonnin, Robert

Batch Method: D 2216 Batch End Date: 05/03/12 13:24

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-32525-A-8	TCLP-216	D 2216	T	0.7913 g	7.2135 g	5.8144 g			
580-32525-A-8 DU	TCLP-216	D 2216	T	0.7820 g	6.3201 g	4.9801 g			
580-32525-A-9	TCLP-219	D 2216	T	0.7790 g	6.6215 g	4.9290 g			
580-32525-A-10	TCLP-221	D 2216	T	0.7837 g	7.4339 g	5.8875 g			
580-32525-A-11	TCLP-223	D 2216	T	0.7857 g	6.5231 g	5.1513 g			
580-32525-A-12	TCLP-239	D 2216	T	0.7843 g	6.9949 g	5.2114 g			
580-32525-A-13	TCLP-240	D 2216	T	0.7840 g	8.1688 g	6.4484 g			
580-32525-A-14	TCLP-245	D 2216	T	0.8157 g	8.9258 g	7.5202 g			
580-32525-A-15	TCLP-246	D 2216	T	0.8334 g	7.7355 g	6.5359 g			

Batch Notes	
Balance ID	SEA222 No Unit
Date samples were placed in the oven	05/02/2012
Oven Temp when samples are put in oven	110.5 Degrees C
Time samples were place in the oven	1329
Date samples were removed from oven	05/03/2012
Oven Temp when samples removed from oven	106.5 Degrees C
Time Samples were removed from oven	1320
Oven ID	TAC306
ID number of the thermometer	3A4823
Uncorrected In Temperature	110 Celsius
Uncorrected Out Temperature	106 Celsius

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Name: Science Applications International Corporation (SAIC)
 SAIC Office Address: 18912 No. Creek Parkway, Bothell, WA 98011
 SAIC Contact: Marina I. Mitchell
 Telephone: (425) 482-3310
 Report to: SAIC, marina.i.mitchell@saic.com
 Field Lab Address: 12322 Hwy 99, Suite 97, Everett, WA 98204
 Project Name: Everett Smelter Uplands
 Job/P.O. No: P010104389

Sampler (\$signature)

(Printed Name)
Erin Trainor

Lab No.	Field Sample #	Depth (ft)	Date	Time	Matrix	No. of Containers
	TCLP-170	0-1	4/24/12	1205	soil	1
	TCLP-172	0-1		1220	soil	1
	TCLP-173	0-1		1300	soil	1
	TCLP-176	0-1		1315	soil	1
	TCLP-208	0-1		1425	soil	1
	TCLP-210	0-1		1405	soil	1
	TCLP-212	0-1		1445	soil	1
	TCLP-216	0-1		1515	soil	1
	TCLP-219	0-0.5		1530	soil	1
	TCLP-221	0-1		1545	soil	1
	TCLP-223	0-1		1600	soil	1
	TCLP-239	0-0.5		1615	soil	1
	TCLP-240	0-1		1630	soil	1

TCLP metals, pH

Relinquished by Date: 4/25/12 Time: 0845
 Signature: [Signature]

Received by Date: 4/25/12 Time: 1040
 Signature: [Signature]

Printed Name: ERIN TRAINOR

Printed Name: Franisec Lamy, Jr.

Company: SAIC

Company: TASEL

Relinquished by Date _____ Time _____
 Signature _____

Received by Date _____ Time _____
 Signature _____

Printed Name _____

Printed Name _____

Company _____

Company _____

Notes:
 A. store at ambient temp.
 B. do NOT dispose of samples without authorization from SAIC

Methods:
 1. TCLP Metals include arsenic, barium, cadmium, chromium, lead, silver, selenium and mercury by EPA 1317/6010B/7470A and pH by EPA 9045C. Project specific lab duplicate and matrix spike sample are required in every analytical batch. Other batch specific lab QC samples include MB and LCS.

Laboratory Name: Test America
 Address: 5755 8th Street East
 Tacoma, WA 98424
 Contact: Kristine Allen
 Telephone: (253) 922-2310
 Fax: (253) 922-5047
 Shipment Type: lab courier
 Field Contact: Erin Trainor
 Observations, Comments, Special Instructions

Chain of Custody Record

COC NO: 042612A

Name: Science Applications International Corporation (SAIC)
SAIC Office Address: 18912 No. Creek Parkway, Bothell, WA 98011
SAIC Contact: Marina I. Mitchell
Telephone: (425) 482-3310
Report to: SAIC, marina.i.mitchell@saic.com
Field Lab Address: 12322 Hwy 99, Suite 97, Everett, WA 98204
Project Name: Everett Smelter Uplands
Job/P.O. No: P010104389

Sampler (Signature) *[Signature]* (Printed Name) Erin Trainor

Lab No.	Field Sample #	Depth (m)	Date	Time	Matrix	No. of Containers	Field Contact	Observations, Comments, Special Instructions
	TCLP-245	0-1	4/24/12	1645	soil	1	Erin Trainor	
	TCLP-246	0-1	4/24/12	1700	soil	1	Erin Trainor	
						Total Number of Containers:	15	

TCLP metals, pH

Laboratory Name: Test America
Address: 5755 8th Street East
Tacoma, WA 98424
Contact: Kristine Allen
Telephone: (253) 922-2310
Fax: (253) 922-5047
Shipment Type: lab courier

Relinquished by Date: 4/25/12 Time: 0845
Signature: *[Signature]*
Printed Name: ERIN TRAINOR
Company: SAIC

Received by Date: 4/26/12 Time: 1040
Signature: *[Signature]*
Printed Name: FRANCISCA LUNY, Jr.
Company: THSEH

Relinquished by Date: _____ Time: _____
Signature: _____

Received by Date: _____ Time: _____
Signature: _____

Printed Name: _____
Company: _____

Printed Name: _____
Company: _____

Notes:
A. store at ambient temp.
B. do NOT dispose of samples without authorization from SAIC

Methods:
1. TCLP Metals include arsenic, barium, cadmium, chromium, lead, silver, selenium and mercury by EPA 1311/6010B/7470A and pH by EPA 9045C. Project specific lab duplicate and matrix spike sample are required in every analytical batch. Other batch specific lab QC samples include MB and LCS.

Abbreviations:
S - Solid
L - Liquid
NA - Not Applicable

Cooler/Freezer: DigIR cor 188°C uncl 187°C
Cooler Disc by Blk 2/Wg 2 @ Lab 1640
Wet/Packs: Packing Rabbit
w/o

Login Sample Receipt Checklist

Client: Science Applications International Corp

Job Number: 580-32525-1

Login Number: 32525

List Source: TestAmerica Seattle

List Number: 1

Creator: Riley, Nicole

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	Thermal preservation not required.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

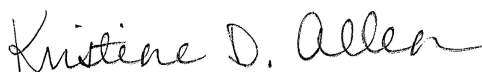
Job Number: 580-33162-1

Job Description: Everett Smelter Uplands

For:

Science Applications International Corp
18912 North Creek Parkway, Suite 101
Bothell, WA 98011

Attention: Marina Mitchell



Approved for release.
Kristine Allen
Project Manager I
6/13/2012 1:57 PM

Kristine Allen
Project Manager I
kristine.allen@testamericainc.com
06/13/2012

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This report shall not be reproduced except in full, without prior express written approval by the laboratory. The results relate only to the item(s) tested and the sample(s) as received by the laboratory.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted in the case narrative.

TestAmerica Laboratories, Inc.

TestAmerica Seattle 5755 8th Street East, Tacoma, WA 98424
Tel (253) 922-2310 Fax (253) 922-5047 www.testamericainc.com



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CASE NARRATIVE

Client: Science Applications International Corp
Project: Everett Smelter Uplands
Report Number: 580-33162-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 05/30/2012; the samples arrived in good condition and properly preserved. The temperature of the coolers at receipt was 22.7 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TCLP METALS

Samples TCLP-174 (580-33162-1), TCLP-179 (580-33162-2), TCLP-207 (580-33162-3), TCLP-213 (580-33162-4), TCLP-214 (580-33162-5), TCLP-225 (580-33162-6), TCLP-226 (580-33162-7), TCLP-227 (580-33162-8), TCLP-229 (580-33162-9), TCLP-237 (580-33162-10), TCLP-238 (580-33162-11), TCLP-241 (580-33162-12), TCLP-243 (580-33162-13), TCLP-244 (580-33162-14) and TCLP-251 (580-33162-15) were analyzed for TCLP metals in accordance with EPA SW-846 Methods 1311/ 6010B. The samples were leached on 06/01/2012, and prepared and analyzed on 06/05/2012.

Barium and Selenium were detected in method blank LB 280-122230/1-C at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

No other difficulties were encountered during the TCLP metals analyses.

All other quality control parameters were within the acceptance limits.

TCLP MERCURY

Samples TCLP-174 (580-33162-1), TCLP-179 (580-33162-2), TCLP-207 (580-33162-3), TCLP-213 (580-33162-4), TCLP-214 (580-33162-5), TCLP-225 (580-33162-6), TCLP-226 (580-33162-7), TCLP-227 (580-33162-8), TCLP-229 (580-33162-9), TCLP-237 (580-33162-10), TCLP-238 (580-33162-11), TCLP-241 (580-33162-12), TCLP-243 (580-33162-13), TCLP-244 (580-33162-14) and TCLP-251 (580-33162-15) were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 06/01/2012, and prepared and analyzed on 06/04/2012.

No difficulties were encountered during the TCLP mercury analyses.

All quality control parameters were within the acceptance limits.

PH

Samples TCLP-174 (580-33162-1), TCLP-179 (580-33162-2), TCLP-207 (580-33162-3), TCLP-213 (580-33162-4), TCLP-214 (580-33162-5), TCLP-225 (580-33162-6), TCLP-226 (580-33162-7), TCLP-227 (580-33162-8), TCLP-229 (580-33162-9), TCLP-237 (580-33162-10), TCLP-238 (580-33162-11), TCLP-241 (580-33162-12), TCLP-243 (580-33162-13), TCLP-244 (580-33162-14) and TCLP-251 (580-33162-15) were analyzed for pH in accordance with EPA SW-846 Method 9045C. The samples were leached on

06/07/2012 and analyzed on 06/07/2012.

No difficulties were encountered during the pH analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples TCLP-174 (580-33162-1), TCLP-179 (580-33162-2), TCLP-207 (580-33162-3), TCLP-213 (580-33162-4), TCLP-214 (580-33162-5), TCLP-225 (580-33162-6), TCLP-226 (580-33162-7), TCLP-227 (580-33162-8), TCLP-229 (580-33162-9), TCLP-237 (580-33162-10), TCLP-238 (580-33162-11), TCLP-241 (580-33162-12), TCLP-243 (580-33162-13), TCLP-244 (580-33162-14) and TCLP-251 (580-33162-15) were analyzed for percent solids in accordance with ASTM D2216. The samples were analyzed on 06/04/2012.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Science Applications International Corp

Job Number: 580-33162-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-33162-1	TCLP-174	Solid	05/29/2012 1345	05/30/2012 1400
580-33162-2	TCLP-179	Solid	05/29/2012 1320	05/30/2012 1400
580-33162-3	TCLP-207	Solid	05/29/2012 1300	05/30/2012 1400
580-33162-4	TCLP-213	Solid	05/29/2012 1230	05/30/2012 1400
580-33162-5	TCLP-214	Solid	05/29/2012 1515	05/30/2012 1400
580-33162-6	TCLP-225	Solid	05/29/2012 1500	05/30/2012 1400
580-33162-7	TCLP-226	Solid	05/29/2012 1430	05/30/2012 1400
580-33162-8	TCLP-227	Solid	05/29/2012 1400	05/30/2012 1400
580-33162-9	TCLP-229	Solid	05/29/2012 1640	05/30/2012 1400
580-33162-10	TCLP-237	Solid	05/29/2012 1610	05/30/2012 1400
580-33162-11	TCLP-238	Solid	05/29/2012 1600	05/30/2012 1400
580-33162-12	TCLP-241	Solid	05/29/2012 1735	05/30/2012 1400
580-33162-13	TCLP-243	Solid	05/29/2012 1720	05/30/2012 1400
580-33162-14	TCLP-244	Solid	05/29/2012 1700	05/30/2012 1400
580-33162-15	TCLP-251	Solid	05/29/2012 1540	05/30/2012 1400

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 580-33162-1

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-33162-1	TCLP-174					
Percent Moisture		25		0.10	%	Moisture
Percent Solids		75		0.10	%	Moisture
<i>TCLP</i>						
Barium		0.59	J B	1.0	mg/L	6010B
Cadmium		0.0022	J	0.10	mg/L	6010B
Lead		0.021	J	0.50	mg/L	6010B
Selenium		0.025	J B	0.10	mg/L	6010B
<i>Soluble</i>						
pH adj. to 25 deg C-Soluble		5.55		0.0100	SU	9045C
Temperature-Soluble		23.2		0.100	Degrees C	9045C
580-33162-2	TCLP-179					
Percent Moisture		24		0.10	%	Moisture
Percent Solids		76		0.10	%	Moisture
<i>TCLP</i>						
Barium		0.18	J B	1.0	mg/L	6010B
Lead		0.015	J	0.50	mg/L	6010B
Selenium		0.059	J B	0.10	mg/L	6010B
<i>Soluble</i>						
pH adj. to 25 deg C-Soluble		5.91		0.0100	SU	9045C
Temperature-Soluble		23.1		0.100	Degrees C	9045C
580-33162-3	TCLP-207					
Percent Moisture		23		0.10	%	Moisture
Percent Solids		77		0.10	%	Moisture
<i>TCLP</i>						
Barium		0.46	J B	1.0	mg/L	6010B
Cadmium		0.0025	J	0.10	mg/L	6010B
Selenium		0.043	J B	0.10	mg/L	6010B
<i>Soluble</i>						
pH adj. to 25 deg C-Soluble		5.59		0.0100	SU	9045C
Temperature-Soluble		23.2		0.100	Degrees C	9045C

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 580-33162-1

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-33162-4	TCLP-213					
Percent Moisture		23		0.10	%	Moisture
Percent Solids		77		0.10	%	Moisture
<i>TCLP</i>						
Barium		0.56	J B	1.0	mg/L	6010B
Cadmium		0.0023	J	0.10	mg/L	6010B
Lead		0.073	J	0.50	mg/L	6010B
Selenium		0.027	J B	0.10	mg/L	6010B
<i>Soluble</i>						
pH adj. to 25 deg C-Soluble		5.75		0.0100	SU	9045C
Temperature-Soluble		23.0		0.100	Degrees C	9045C
580-33162-5	TCLP-214					
Percent Moisture		23		0.10	%	Moisture
Percent Solids		77		0.10	%	Moisture
<i>TCLP</i>						
Barium		0.63	J B	1.0	mg/L	6010B
Lead		0.015	J	0.50	mg/L	6010B
Selenium		0.057	J B	0.10	mg/L	6010B
Silver		0.0047	J	0.50	mg/L	6010B
<i>Soluble</i>						
pH adj. to 25 deg C-Soluble		6.01		0.0100	SU	9045C
Temperature-Soluble		23.2		0.100	Degrees C	9045C
580-33162-6	TCLP-225					
Percent Moisture		25		0.10	%	Moisture
Percent Solids		75		0.10	%	Moisture
<i>TCLP</i>						
Barium		0.56	J B	1.0	mg/L	6010B
Cadmium		0.0044	J	0.10	mg/L	6010B
Lead		0.028	J	0.50	mg/L	6010B
Selenium		0.027	J B	0.10	mg/L	6010B
Silver		0.0052	J	0.50	mg/L	6010B
<i>Soluble</i>						
pH adj. to 25 deg C-Soluble		5.93		0.0100	SU	9045C
Temperature-Soluble		23.2		0.100	Degrees C	9045C

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 580-33162-1

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-33162-7	TCLP-226					
Percent Moisture		24		0.10	%	Moisture
Percent Solids		76		0.10	%	Moisture
<i>TCLP</i>						
Barium		0.53	J B	1.0	mg/L	6010B
Cadmium		0.0032	J	0.10	mg/L	6010B
Lead		0.018	J	0.50	mg/L	6010B
Selenium		0.037	J B	0.10	mg/L	6010B
<i>Soluble</i>						
pH adj. to 25 deg C-Soluble		5.75		0.0100	SU	9045C
Temperature-Soluble		23.1		0.100	Degrees C	9045C
580-33162-8	TCLP-227					
Percent Moisture		28		0.10	%	Moisture
Percent Solids		72		0.10	%	Moisture
<i>TCLP</i>						
Barium		0.68	J B	1.0	mg/L	6010B
Cadmium		0.0029	J	0.10	mg/L	6010B
Lead		0.047	J	0.50	mg/L	6010B
Selenium		0.034	J B	0.10	mg/L	6010B
<i>Soluble</i>						
pH adj. to 25 deg C-Soluble		6.50		0.0100	SU	9045C
Temperature-Soluble		23.2		0.100	Degrees C	9045C
580-33162-9	TCLP-229					
Percent Moisture		21		0.10	%	Moisture
Percent Solids		79		0.10	%	Moisture
<i>TCLP</i>						
Barium		0.60	J B	1.0	mg/L	6010B
Cadmium		0.0065	J	0.10	mg/L	6010B
Lead		0.041	J	0.50	mg/L	6010B
Selenium		0.027	J B	0.10	mg/L	6010B
<i>Soluble</i>						
pH adj. to 25 deg C-Soluble		6.27		0.0100	SU	9045C
Temperature-Soluble		23.2		0.100	Degrees C	9045C

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 580-33162-1

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-33162-10	TCLP-237					
Percent Moisture		19		0.10	%	Moisture
Percent Solids		81		0.10	%	Moisture
<i>TCLP</i>						
Arsenic		0.040	J	0.50	mg/L	6010B
Barium		0.53	J B	1.0	mg/L	6010B
Cadmium		0.0069	J	0.10	mg/L	6010B
Lead		0.048	J	0.50	mg/L	6010B
Selenium		0.033	J B	0.10	mg/L	6010B
<i>Soluble</i>						
pH adj. to 25 deg C-Soluble		6.12		0.0100	SU	9045C
Temperature-Soluble		23.2		0.100	Degrees C	9045C
580-33162-11	TCLP-238					
Percent Moisture		20		0.10	%	Moisture
Percent Solids		80		0.10	%	Moisture
<i>TCLP</i>						
Barium		0.55	J B	1.0	mg/L	6010B
Cadmium		0.0037	J	0.10	mg/L	6010B
Lead		0.032	J	0.50	mg/L	6010B
Selenium		0.041	J B	0.10	mg/L	6010B
<i>Soluble</i>						
pH adj. to 25 deg C-Soluble		6.68		0.0100	SU	9045C
Temperature-Soluble		23.3		0.100	Degrees C	9045C
580-33162-12	TCLP-241					
Percent Moisture		19		0.10	%	Moisture
Percent Solids		81		0.10	%	Moisture
<i>TCLP</i>						
Barium		0.35	J B	1.0	mg/L	6010B
Cadmium		0.0020	J	0.10	mg/L	6010B
Lead		0.022	J	0.50	mg/L	6010B
<i>Soluble</i>						
pH adj. to 25 deg C-Soluble		5.82		0.0100	SU	9045C
Temperature-Soluble		23.2		0.100	Degrees C	9045C

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 580-33162-1

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-33162-13	TCLP-243					
Percent Moisture		13		0.10	%	Moisture
Percent Solids		87		0.10	%	Moisture
<i>TCLP</i>						
Barium		0.71	J B	1.0	mg/L	6010B
Cadmium		0.0065	J	0.10	mg/L	6010B
Chromium		0.0047	J	0.50	mg/L	6010B
Lead		0.14	J	0.50	mg/L	6010B
Selenium		0.039	J B	0.10	mg/L	6010B
Silver		0.0058	J	0.50	mg/L	6010B
<i>Soluble</i>						
pH adj. to 25 deg C-Soluble		8.29		0.0100	SU	9045C
Temperature-Soluble		23.3		0.100	Degrees C	9045C
580-33162-14	TCLP-244					
Percent Moisture		23		0.10	%	Moisture
Percent Solids		77		0.10	%	Moisture
<i>TCLP</i>						
Arsenic		0.040	J	0.50	mg/L	6010B
Barium		0.45	J B	1.0	mg/L	6010B
Cadmium		0.0058	J	0.10	mg/L	6010B
Lead		0.037	J	0.50	mg/L	6010B
Selenium		0.027	J B	0.10	mg/L	6010B
Silver		0.0046	J	0.50	mg/L	6010B
<i>Soluble</i>						
pH adj. to 25 deg C-Soluble		6.07		0.0100	SU	9045C
Temperature-Soluble		23.1		0.100	Degrees C	9045C
580-33162-15	TCLP-251					
Percent Moisture		19		0.10	%	Moisture
Percent Solids		81		0.10	%	Moisture
<i>TCLP</i>						
Barium		0.59	J B	1.0	mg/L	6010B
Lead		0.030	J	0.50	mg/L	6010B
Selenium		0.045	J B	0.10	mg/L	6010B
<i>Soluble</i>						
pH adj. to 25 deg C-Soluble		6.52		0.0100	SU	9045C
Temperature-Soluble		23.2		0.100	Degrees C	9045C

METHOD SUMMARY

Client: Science Applications International Corp

Job Number: 580-33162-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL DEN	SW846 6010B	
TCLP Extraction	TAL DEN		SW846 1311
Preparation, Total Metals	TAL DEN		SW846 3010A
Mercury (CVAA)	TAL DEN	SW846 7470A	
TCLP Extraction	TAL DEN		SW846 1311
Preparation, Mercury	TAL DEN		SW846 7470A
pH	TAL DEN	SW846 9045C	
Deionized Water Leaching Procedure	TAL DEN		ASTM DI Leach
Percent Moisture	TAL DEN	EPA Moisture	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Science Applications International Corp

Job Number: 580-33162-1

Method	Analyst	Analyst ID
SW846 6010B	Harre, John K	JKH
SW846 7470A	Ivey, Crystal L	CLI
SW846 9045C	Woolley, Mark	MW
EPA Moisture	Pottruff, Erma J	EJP

Analytical Data

Client: Science Applications International Corp

Job Number: 580-33162-1

Client Sample ID: TCLP-174

Lab Sample ID: 580-33162-1

Client Matrix: Solid

Date Sampled: 05/29/2012 1345

Date Received: 05/30/2012 1400

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 280-122664 Instrument ID: MT_026
Prep Method: 3010A Prep Batch: 280-122374 Lab File ID: 26A3060512.asc
Dilution: 1.0 Leach Batch: 280-122230 Initial Weight/Volume: 10 mL
Analysis Date: 06/05/2012 1947 Final Weight/Volume: 50 mL
Prep Date: 06/05/2012 0700
Leach Date: 06/01/2012 2130

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.022	0.50
Barium		0.59	J B	0.0020	1.0
Cadmium		0.0022	J	0.0020	0.10
Chromium		ND		0.0030	0.50
Lead		0.021	J	0.013	0.50
Selenium		0.025	J B	0.024	0.10
Silver		ND		0.0040	0.50

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 280-122515 Instrument ID: MT_033
Prep Method: 7470A Prep Batch: 280-122306 Lab File ID: 120604aa.txt
Dilution: 1.0 Leach Batch: 280-122230 Initial Weight/Volume: 30 mL
Analysis Date: 06/04/2012 1450 Final Weight/Volume: 30 mL
Prep Date: 06/04/2012 1035
Leach Date: 06/01/2012 2130

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.000030	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-33162-1

Client Sample ID: TCLP-179

Lab Sample ID: 580-33162-2

Date Sampled: 05/29/2012 1320

Client Matrix: Solid

Date Received: 05/30/2012 1400

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	280-122664	Instrument ID:	MT_026
Prep Method:	3010A	Prep Batch:	280-122374	Lab File ID:	26A3060512.asc
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	10 mL
Analysis Date:	06/05/2012 1957			Final Weight/Volume:	50 mL
Prep Date:	06/05/2012 0700				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.022	0.50
Barium		0.18	J B	0.0020	1.0
Cadmium		ND		0.0020	0.10
Chromium		ND		0.0030	0.50
Lead		0.015	J	0.013	0.50
Selenium		0.059	J B	0.024	0.10
Silver		ND		0.0040	0.50

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	280-122515	Instrument ID:	MT_033
Prep Method:	7470A	Prep Batch:	280-122306	Lab File ID:	120604aa.txt
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	30 mL
Analysis Date:	06/04/2012 1453			Final Weight/Volume:	30 mL
Prep Date:	06/04/2012 1035				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.000030	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-33162-1

Client Sample ID: TCLP-207

Lab Sample ID: 580-33162-3

Date Sampled: 05/29/2012 1300

Client Matrix: Solid

Date Received: 05/30/2012 1400

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	280-122664	Instrument ID:	MT_026
Prep Method:	3010A	Prep Batch:	280-122374	Lab File ID:	26A3060512.asc
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	10 mL
Analysis Date:	06/05/2012 1959			Final Weight/Volume:	50 mL
Prep Date:	06/05/2012 0700				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.022	0.50
Barium		0.46	J B	0.0020	1.0
Cadmium		0.0025	J	0.0020	0.10
Chromium		ND		0.0030	0.50
Lead		ND		0.013	0.50
Selenium		0.043	J B	0.024	0.10
Silver		ND		0.0040	0.50

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	280-122515	Instrument ID:	MT_033
Prep Method:	7470A	Prep Batch:	280-122306	Lab File ID:	120604aa.txt
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	30 mL
Analysis Date:	06/04/2012 1455			Final Weight/Volume:	30 mL
Prep Date:	06/04/2012 1035				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.000030	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-33162-1

Client Sample ID: TCLP-213

Lab Sample ID: 580-33162-4

Date Sampled: 05/29/2012 1230

Client Matrix: Solid

Date Received: 05/30/2012 1400

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	280-122664	Instrument ID:	MT_026
Prep Method:	3010A	Prep Batch:	280-122374	Lab File ID:	26A3060512.asc
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	10 mL
Analysis Date:	06/05/2012 2012			Final Weight/Volume:	50 mL
Prep Date:	06/05/2012 0700				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.022	0.50
Barium		0.56	J B	0.0020	1.0
Cadmium		0.0023	J	0.0020	0.10
Chromium		ND		0.0030	0.50
Lead		0.073	J	0.013	0.50
Selenium		0.027	J B	0.024	0.10
Silver		ND		0.0040	0.50

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	280-122515	Instrument ID:	MT_033
Prep Method:	7470A	Prep Batch:	280-122306	Lab File ID:	120604aa.txt
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	30 mL
Analysis Date:	06/04/2012 1457			Final Weight/Volume:	30 mL
Prep Date:	06/04/2012 1035				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.000030	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-33162-1

Client Sample ID: TCLP-214

Lab Sample ID: 580-33162-5

Date Sampled: 05/29/2012 1515

Client Matrix: Solid

Date Received: 05/30/2012 1400

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	280-122664	Instrument ID:	MT_026
Prep Method:	3010A	Prep Batch:	280-122374	Lab File ID:	26A3060512.asc
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	10 mL
Analysis Date:	06/05/2012 2015			Final Weight/Volume:	50 mL
Prep Date:	06/05/2012 0700				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.022	0.50
Barium		0.63	J B	0.0020	1.0
Cadmium		ND		0.0020	0.10
Chromium		ND		0.0030	0.50
Lead		0.015	J	0.013	0.50
Selenium		0.057	J B	0.024	0.10
Silver		0.0047	J	0.0040	0.50

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	280-122515	Instrument ID:	MT_033
Prep Method:	7470A	Prep Batch:	280-122306	Lab File ID:	120604aa.txt
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	30 mL
Analysis Date:	06/04/2012 1500			Final Weight/Volume:	30 mL
Prep Date:	06/04/2012 1035				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.000030	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-33162-1

Client Sample ID: TCLP-225

Lab Sample ID: 580-33162-6

Date Sampled: 05/29/2012 1500

Client Matrix: Solid

Date Received: 05/30/2012 1400

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	280-122664	Instrument ID:	MT_026
Prep Method:	3010A	Prep Batch:	280-122374	Lab File ID:	26A3060512.asc
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	10 mL
Analysis Date:	06/05/2012 2017			Final Weight/Volume:	50 mL
Prep Date:	06/05/2012 0700				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.022	0.50
Barium		0.56	J B	0.0020	1.0
Cadmium		0.0044	J	0.0020	0.10
Chromium		ND		0.0030	0.50
Lead		0.028	J	0.013	0.50
Selenium		0.027	J B	0.024	0.10
Silver		0.0052	J	0.0040	0.50

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	280-122515	Instrument ID:	MT_033
Prep Method:	7470A	Prep Batch:	280-122306	Lab File ID:	120604aa.txt
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	30 mL
Analysis Date:	06/04/2012 1502			Final Weight/Volume:	30 mL
Prep Date:	06/04/2012 1035				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.000030	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-33162-1

Client Sample ID: TCLP-226

Lab Sample ID: 580-33162-7

Date Sampled: 05/29/2012 1430

Client Matrix: Solid

Date Received: 05/30/2012 1400

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	280-122664	Instrument ID:	MT_026
Prep Method:	3010A	Prep Batch:	280-122374	Lab File ID:	26A3060512.asc
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	10 mL
Analysis Date:	06/05/2012 2020			Final Weight/Volume:	50 mL
Prep Date:	06/05/2012 0700				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.022	0.50
Barium		0.53	J B	0.0020	1.0
Cadmium		0.0032	J	0.0020	0.10
Chromium		ND		0.0030	0.50
Lead		0.018	J	0.013	0.50
Selenium		0.037	J B	0.024	0.10
Silver		ND		0.0040	0.50

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	280-122515	Instrument ID:	MT_033
Prep Method:	7470A	Prep Batch:	280-122306	Lab File ID:	120604aa.txt
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	30 mL
Analysis Date:	06/04/2012 1504			Final Weight/Volume:	30 mL
Prep Date:	06/04/2012 1035				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.000030	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-33162-1

Client Sample ID: TCLP-227

Lab Sample ID: 580-33162-8

Date Sampled: 05/29/2012 1400

Client Matrix: Solid

Date Received: 05/30/2012 1400

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	280-122664	Instrument ID:	MT_026
Prep Method:	3010A	Prep Batch:	280-122374	Lab File ID:	26A3060512.asc
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	10 mL
Analysis Date:	06/05/2012 2022			Final Weight/Volume:	50 mL
Prep Date:	06/05/2012 0700				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.022	0.50
Barium		0.68	J B	0.0020	1.0
Cadmium		0.0029	J	0.0020	0.10
Chromium		ND		0.0030	0.50
Lead		0.047	J	0.013	0.50
Selenium		0.034	J B	0.024	0.10
Silver		ND		0.0040	0.50

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	280-122515	Instrument ID:	MT_033
Prep Method:	7470A	Prep Batch:	280-122306	Lab File ID:	120604aa.txt
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	30 mL
Analysis Date:	06/04/2012 1507			Final Weight/Volume:	30 mL
Prep Date:	06/04/2012 1035				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.000030	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-33162-1

Client Sample ID: TCLP-229

Lab Sample ID: 580-33162-9

Date Sampled: 05/29/2012 1640

Client Matrix: Solid

Date Received: 05/30/2012 1400

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 280-122664 Instrument ID: MT_026
Prep Method: 3010A Prep Batch: 280-122374 Lab File ID: 26A3060512.asc
Dilution: 1.0 Leach Batch: 280-122230 Initial Weight/Volume: 10 mL
Analysis Date: 06/05/2012 2025 Final Weight/Volume: 50 mL
Prep Date: 06/05/2012 0700
Leach Date: 06/01/2012 2130

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.022	0.50
Barium		0.60	J B	0.0020	1.0
Cadmium		0.0065	J	0.0020	0.10
Chromium		ND		0.0030	0.50
Lead		0.041	J	0.013	0.50
Selenium		0.027	J B	0.024	0.10
Silver		ND		0.0040	0.50

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 280-122515 Instrument ID: MT_033
Prep Method: 7470A Prep Batch: 280-122306 Lab File ID: 120604aa.txt
Dilution: 1.0 Leach Batch: 280-122230 Initial Weight/Volume: 30 mL
Analysis Date: 06/04/2012 1509 Final Weight/Volume: 30 mL
Prep Date: 06/04/2012 1035
Leach Date: 06/01/2012 2130

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.000030	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-33162-1

Client Sample ID: TCLP-237

Lab Sample ID: 580-33162-10

Date Sampled: 05/29/2012 1610

Client Matrix: Solid

Date Received: 05/30/2012 1400

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	280-122664	Instrument ID:	MT_026
Prep Method:	3010A	Prep Batch:	280-122374	Lab File ID:	26A3060512.asc
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	10 mL
Analysis Date:	06/05/2012 2027			Final Weight/Volume:	50 mL
Prep Date:	06/05/2012 0700				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.040	J	0.022	0.50
Barium		0.53	J B	0.0020	1.0
Cadmium		0.0069	J	0.0020	0.10
Chromium		ND		0.0030	0.50
Lead		0.048	J	0.013	0.50
Selenium		0.033	J B	0.024	0.10
Silver		ND		0.0040	0.50

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	280-122515	Instrument ID:	MT_033
Prep Method:	7470A	Prep Batch:	280-122306	Lab File ID:	120604aa.txt
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	30 mL
Analysis Date:	06/04/2012 1516			Final Weight/Volume:	30 mL
Prep Date:	06/04/2012 1035				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.000030	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-33162-1

Client Sample ID: TCLP-238

Lab Sample ID: 580-33162-11

Date Sampled: 05/29/2012 1600

Client Matrix: Solid

Date Received: 05/30/2012 1400

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	280-122664	Instrument ID:	MT_026
Prep Method:	3010A	Prep Batch:	280-122374	Lab File ID:	26A3060512.asc
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	10 mL
Analysis Date:	06/05/2012 2040			Final Weight/Volume:	50 mL
Prep Date:	06/05/2012 0700				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.022	0.50
Barium		0.55	J B	0.0020	1.0
Cadmium		0.0037	J	0.0020	0.10
Chromium		ND		0.0030	0.50
Lead		0.032	J	0.013	0.50
Selenium		0.041	J B	0.024	0.10
Silver		ND		0.0040	0.50

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	280-122515	Instrument ID:	MT_033
Prep Method:	7470A	Prep Batch:	280-122306	Lab File ID:	120604aa.txt
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	30 mL
Analysis Date:	06/04/2012 1518			Final Weight/Volume:	30 mL
Prep Date:	06/04/2012 1035				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.000030	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-33162-1

Client Sample ID: TCLP-241

Lab Sample ID: 580-33162-12

Date Sampled: 05/29/2012 1735

Client Matrix: Solid

Date Received: 05/30/2012 1400

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	280-122664	Instrument ID:	MT_026
Prep Method:	3010A	Prep Batch:	280-122374	Lab File ID:	26A3060512.asc
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	10 mL
Analysis Date:	06/05/2012 2043			Final Weight/Volume:	50 mL
Prep Date:	06/05/2012 0700				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.022	0.50
Barium		0.35	J B	0.0020	1.0
Cadmium		0.0020	J	0.0020	0.10
Chromium		ND		0.0030	0.50
Lead		0.022	J	0.013	0.50
Selenium		ND		0.024	0.10
Silver		ND		0.0040	0.50

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	280-122515	Instrument ID:	MT_033
Prep Method:	7470A	Prep Batch:	280-122306	Lab File ID:	120604aa.txt
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	30 mL
Analysis Date:	06/04/2012 1520			Final Weight/Volume:	30 mL
Prep Date:	06/04/2012 1035				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.000030	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-33162-1

Client Sample ID: TCLP-243

Lab Sample ID: 580-33162-13

Date Sampled: 05/29/2012 1720

Client Matrix: Solid

Date Received: 05/30/2012 1400

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	280-122664	Instrument ID:	MT_026
Prep Method:	3010A	Prep Batch:	280-122374	Lab File ID:	26A3060512.asc
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	10 mL
Analysis Date:	06/05/2012 2045			Final Weight/Volume:	50 mL
Prep Date:	06/05/2012 0700				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.022	0.50
Barium		0.71	J B	0.0020	1.0
Cadmium		0.0065	J	0.0020	0.10
Chromium		0.0047	J	0.0030	0.50
Lead		0.14	J	0.013	0.50
Selenium		0.039	J B	0.024	0.10
Silver		0.0058	J	0.0040	0.50

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	280-122515	Instrument ID:	MT_033
Prep Method:	7470A	Prep Batch:	280-122306	Lab File ID:	120604aa.txt
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	30 mL
Analysis Date:	06/04/2012 1523			Final Weight/Volume:	30 mL
Prep Date:	06/04/2012 1035				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.000030	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-33162-1

Client Sample ID: TCLP-244

Lab Sample ID: 580-33162-14

Date Sampled: 05/29/2012 1700

Client Matrix: Solid

Date Received: 05/30/2012 1400

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	280-122664	Instrument ID:	MT_026
Prep Method:	3010A	Prep Batch:	280-122374	Lab File ID:	26A3060512.asc
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	10 mL
Analysis Date:	06/05/2012 2048			Final Weight/Volume:	50 mL
Prep Date:	06/05/2012 0700				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.040	J	0.022	0.50
Barium		0.45	J B	0.0020	1.0
Cadmium		0.0058	J	0.0020	0.10
Chromium		ND		0.0030	0.50
Lead		0.037	J	0.013	0.50
Selenium		0.027	J B	0.024	0.10
Silver		0.0046	J	0.0040	0.50

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	280-122515	Instrument ID:	MT_033
Prep Method:	7470A	Prep Batch:	280-122306	Lab File ID:	120604aa.txt
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	30 mL
Analysis Date:	06/04/2012 1525			Final Weight/Volume:	30 mL
Prep Date:	06/04/2012 1035				
Leach Date:	06/01/2012 2130				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.000030	0.0020

Analytical Data

Client: Science Applications International Corp

Job Number: 580-33162-1

Client Sample ID: TCLP-251

Lab Sample ID: 580-33162-15

Date Sampled: 05/29/2012 1540

Client Matrix: Solid

Date Received: 05/30/2012 1400

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 280-122664 Instrument ID: MT_026
Prep Method: 3010A Prep Batch: 280-122374 Lab File ID: 26A3060512.asc
Dilution: 1.0 Leach Batch: 280-122230 Initial Weight/Volume: 10 mL
Analysis Date: 06/05/2012 2050 Final Weight/Volume: 50 mL
Prep Date: 06/05/2012 0700
Leach Date: 06/01/2012 2130

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.022	0.50
Barium		0.59	J B	0.0020	1.0
Cadmium		ND		0.0020	0.10
Chromium		ND		0.0030	0.50
Lead		0.030	J	0.013	0.50
Selenium		0.045	J B	0.024	0.10
Silver		ND		0.0040	0.50

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 280-122515 Instrument ID: MT_033
Prep Method: 7470A Prep Batch: 280-122306 Lab File ID: 120604aa.txt
Dilution: 1.0 Leach Batch: 280-122230 Initial Weight/Volume: 30 mL
Analysis Date: 06/04/2012 1527 Final Weight/Volume: 30 mL
Prep Date: 06/04/2012 1035
Leach Date: 06/01/2012 2130

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.000030	0.0020

Client: Science Applications International Corp

Job Number: 580-33162-1

General Chemistry

Client Sample ID: TCLP-174

Lab Sample ID: 580-33162-1

Date Sampled: 05/29/2012 1345

Client Matrix: Solid

Date Received: 05/30/2012 1400

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH adj. to 25 deg C-Soluble	5.55		SU	0.0100	0.0100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1850					DryWt Corrected: N
Temperature-Soluble	23.2		Degrees C	0.100	0.100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1850					DryWt Corrected: N
Percent Moisture	25		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1729					DryWt Corrected: N
Percent Solids	75		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1729					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-33162-1

General Chemistry

Client Sample ID: TCLP-179

Lab Sample ID: 580-33162-2

Date Sampled: 05/29/2012 1320

Client Matrix: Solid

Date Received: 05/30/2012 1400

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH adj. to 25 deg C-Soluble	5.91		SU	0.0100	0.0100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1856					DryWt Corrected: N
Temperature-Soluble	23.1		Degrees C	0.100	0.100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1856					DryWt Corrected: N
Percent Moisture	24		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1729					DryWt Corrected: N
Percent Solids	76		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1729					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-33162-1

General Chemistry

Client Sample ID: TCLP-207

Lab Sample ID: 580-33162-3

Date Sampled: 05/29/2012 1300

Client Matrix: Solid

Date Received: 05/30/2012 1400

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH adj. to 25 deg C-Soluble	5.59		SU	0.0100	0.0100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1900					DryWt Corrected: N
Temperature-Soluble	23.2		Degrees C	0.100	0.100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1900					DryWt Corrected: N
Percent Moisture	23		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1729					DryWt Corrected: N
Percent Solids	77		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1729					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-33162-1

General Chemistry

Client Sample ID: TCLP-213

Lab Sample ID: 580-33162-4

Date Sampled: 05/29/2012 1230

Client Matrix: Solid

Date Received: 05/30/2012 1400

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH adj. to 25 deg C-Soluble	5.75		SU	0.0100	0.0100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1903					DryWt Corrected: N
Temperature-Soluble	23.0		Degrees C	0.100	0.100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1903					DryWt Corrected: N
Percent Moisture	23		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1729					DryWt Corrected: N
Percent Solids	77		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1729					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-33162-1

General Chemistry

Client Sample ID: TCLP-214

Lab Sample ID: 580-33162-5

Date Sampled: 05/29/2012 1515

Client Matrix: Solid

Date Received: 05/30/2012 1400

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH adj. to 25 deg C-Soluble	6.01		SU	0.0100	0.0100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1906					DryWt Corrected: N
Temperature-Soluble	23.2		Degrees C	0.100	0.100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1906					DryWt Corrected: N
Percent Moisture	23		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1729					DryWt Corrected: N
Percent Solids	77		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1729					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-33162-1

General Chemistry

Client Sample ID: TCLP-225

Lab Sample ID: 580-33162-6

Date Sampled: 05/29/2012 1500

Client Matrix: Solid

Date Received: 05/30/2012 1400

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH adj. to 25 deg C-Soluble	5.93		SU	0.0100	0.0100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1909					DryWt Corrected: N
Temperature-Soluble	23.2		Degrees C	0.100	0.100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1909					DryWt Corrected: N
Percent Moisture	25		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1729					DryWt Corrected: N
Percent Solids	75		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1729					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-33162-1

General Chemistry

Client Sample ID: TCLP-226

Lab Sample ID: 580-33162-7

Date Sampled: 05/29/2012 1430

Client Matrix: Solid

Date Received: 05/30/2012 1400

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH adj. to 25 deg C-Soluble	5.75		SU	0.0100	0.0100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1912					DryWt Corrected: N
Temperature-Soluble	23.1		Degrees C	0.100	0.100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1912					DryWt Corrected: N
Percent Moisture	24		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1729					DryWt Corrected: N
Percent Solids	76		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1729					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-33162-1

General Chemistry

Client Sample ID: TCLP-227

Lab Sample ID: 580-33162-8

Date Sampled: 05/29/2012 1400

Client Matrix: Solid

Date Received: 05/30/2012 1400

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH adj. to 25 deg C-Soluble	6.50		SU	0.0100	0.0100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1920					DryWt Corrected: N
Temperature-Soluble	23.2		Degrees C	0.100	0.100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1920					DryWt Corrected: N
Percent Moisture	28		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1729					DryWt Corrected: N
Percent Solids	72		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1729					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-33162-1

General Chemistry

Client Sample ID: TCLP-229

Lab Sample ID: 580-33162-9

Date Sampled: 05/29/2012 1640

Client Matrix: Solid

Date Received: 05/30/2012 1400

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH adj. to 25 deg C-Soluble	6.27		SU	0.0100	0.0100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1923					DryWt Corrected: N
Temperature-Soluble	23.2		Degrees C	0.100	0.100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1923					DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1729					DryWt Corrected: N
Percent Solids	79		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1729					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-33162-1

General Chemistry

Client Sample ID: TCLP-237

Lab Sample ID: 580-33162-10

Date Sampled: 05/29/2012 1610

Client Matrix: Solid

Date Received: 05/30/2012 1400

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH adj. to 25 deg C-Soluble	6.12		SU	0.0100	0.0100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1926					DryWt Corrected: N
Temperature-Soluble	23.2		Degrees C	0.100	0.100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1926					DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1729					DryWt Corrected: N
Percent Solids	81		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1729					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-33162-1

General Chemistry

Client Sample ID: TCLP-238

Lab Sample ID: 580-33162-11

Date Sampled: 05/29/2012 1600

Client Matrix: Solid

Date Received: 05/30/2012 1400

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH adj. to 25 deg C-Soluble	6.68		SU	0.0100	0.0100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1930					DryWt Corrected: N
Temperature-Soluble	23.3		Degrees C	0.100	0.100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1930					DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1734					DryWt Corrected: N
Percent Solids	80		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1734					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-33162-1

General Chemistry

Client Sample ID: TCLP-241

Lab Sample ID: 580-33162-12

Date Sampled: 05/29/2012 1735

Client Matrix: Solid

Date Received: 05/30/2012 1400

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH adj. to 25 deg C-Soluble	5.82		SU	0.0100	0.0100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1935					DryWt Corrected: N
Temperature-Soluble	23.2		Degrees C	0.100	0.100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1935					DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1734					DryWt Corrected: N
Percent Solids	81		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1734					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-33162-1

General Chemistry

Client Sample ID: TCLP-243

Lab Sample ID: 580-33162-13

Date Sampled: 05/29/2012 1720

Client Matrix: Solid

Date Received: 05/30/2012 1400

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH adj. to 25 deg C-Soluble	8.29		SU	0.0100	0.0100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1939					DryWt Corrected: N
Temperature-Soluble	23.3		Degrees C	0.100	0.100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1939					DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1734					DryWt Corrected: N
Percent Solids	87		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1734					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-33162-1

General Chemistry

Client Sample ID: TCLP-244

Lab Sample ID: 580-33162-14
 Client Matrix: Solid

Date Sampled: 05/29/2012 1700
 Date Received: 05/30/2012 1400

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH adj. to 25 deg C-Soluble	6.07		SU	0.0100	0.0100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1943					DryWt Corrected: N
Temperature-Soluble	23.1		Degrees C	0.100	0.100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1943					DryWt Corrected: N
Percent Moisture	23		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1734					DryWt Corrected: N
Percent Solids	77		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1734					DryWt Corrected: N

Client: Science Applications International Corp

Job Number: 580-33162-1

General Chemistry

Client Sample ID: TCLP-251

Lab Sample ID: 580-33162-15

Date Sampled: 05/29/2012 1540

Client Matrix: Solid

Date Received: 05/30/2012 1400

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH adj. to 25 deg C-Soluble	6.52		SU	0.0100	0.0100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1946					DryWt Corrected: N
Temperature-Soluble	23.2		Degrees C	0.100	0.100	1.0	9045C
	Analysis Batch: 280-123063	Analysis Date: 06/07/2012 1946					DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1734					DryWt Corrected: N
Percent Solids	81		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-122452	Analysis Date: 06/04/2012 1734					DryWt Corrected: N

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-33162-1

TCLP SPLPE Leachate Blank - Batch: 280-122374

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	LB 280-122230/1-C	Analysis Batch:	280-122664	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-122374	Lab File ID:	26A3060512.asc
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	10 mL
Analysis Date:	06/05/2012 1942	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	06/05/2012 0700				
Leach Date:	06/01/2012 2130				

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.022	0.50
Barium	0.00365	J	0.0020	1.0
Cadmium	ND		0.0020	0.10
Chromium	ND		0.0030	0.50
Lead	ND		0.013	0.50
Selenium	0.0494	J	0.024	0.10
Silver	ND		0.0040	0.50

Lab Control Sample - Batch: 280-122374

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	LCS 280-122230/2-C	Analysis Batch:	280-122664	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-122374	Lab File ID:	26A3060512.asc
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	10 mL
Analysis Date:	06/05/2012 1944	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	06/05/2012 0700				
Leach Date:	06/01/2012 2130				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	4.00	4.03	101	80 - 120	
Barium	12.0	11.5	95	80 - 120	
Cadmium	1.10	1.10	100	80 - 120	
Chromium	5.20	5.03	97	80 - 120	
Lead	5.50	5.30	96	80 - 120	
Selenium	3.00	3.05	102	80 - 120	
Silver	1.05	1.04	99	80 - 120	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-33162-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-122374**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID: 580-33162-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/05/2012 1952
Prep Date: 06/05/2012 0700
Leach Date: 06/01/2012 2130

Analysis Batch: 280-122664
Prep Batch: 280-122374
Leach Batch: 280-122230

Instrument ID: MT_026
Lab File ID: 26A3060512.asc
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 580-33162-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/05/2012 1954
Prep Date: 06/05/2012 0700
Leach Date: 06/01/2012 2130

Analysis Batch: 280-122664
Prep Batch: 280-122374
Leach Batch: 280-122230

Instrument ID: MT_026
Lab File ID: 26A3060512.asc
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	100	104	80 - 120	3	20		
Barium	93	98	80 - 120	4	20		
Cadmium	99	102	80 - 120	3	20		
Chromium	96	99	80 - 120	3	20		
Lead	95	98	80 - 120	3	20		
Selenium	101	105	80 - 120	4	20		
Silver	98	102	80 - 120	4	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-122374**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID: 580-33162-1 Units: mg/L
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/05/2012 1952
Prep Date: 06/05/2012 0700
Leach Date: 06/01/2012 2130

MSD Lab Sample ID: 580-33162-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/05/2012 1954
Prep Date: 06/05/2012 0700
Leach Date: 06/01/2012 2130

Analyte	Sample		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
	Result/Qual					
Arsenic	ND		4.00	4.00	4.01	4.15
Barium	0.59	J	12.0	12.0	11.8	12.3
Cadmium	0.0022	J	1.10	1.10	1.09	1.13
Chromium	ND		5.20	5.20	4.99	5.15
Lead	0.021	J	5.50	5.50	5.26	5.43
Selenium	0.025	J	3.00	3.00	3.05	3.18
Silver	ND		1.05	1.05	1.03	1.07

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-33162-1

Serial Dilution - Batch: 280-122374

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID: 580-33162-1
Client Matrix: Solid
Dilution: 5.0
Analysis Date: 06/05/2012 1949
Prep Date: 06/05/2012 0700
Leach Date: 06/01/2012 2130

Analysis Batch: 280-122664
Prep Batch: 280-122374
Leach Batch: 280-122230
Units: mg/L

Instrument ID: MT_026
Lab File ID: 26A3060512.asc
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	ND	ND	NC	10	
Barium	0.59 J	0.604	1.6	10	J
Cadmium	0.0022 J	ND	NC	10	
Chromium	ND	ND	NC	10	
Lead	0.021 J	ND	NC	10	
Selenium	0.025 J	0.220	NC	10	J
Silver	ND	ND	NC	10	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-33162-1

TCLP SPLPE Leachate Blank - Batch: 280-122306

**Method: 7470A
Preparation: 7470A
TCLP**

Lab Sample ID:	LB 280-122230/1-B	Analysis Batch:	280-122515	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-122306	Lab File ID:	120604aa.txt
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	30 mL
Analysis Date:	06/04/2012 1441	Units:	mg/L	Final Weight/Volume:	30 mL
Prep Date:	06/04/2012 1035				
Leach Date:	06/01/2012 2130				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.000030	0.0020

Lab Control Sample - Batch: 280-122306

**Method: 7470A
Preparation: 7470A
TCLP**

Lab Sample ID:	LCS 280-122230/2-B	Analysis Batch:	280-122515	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-122306	Lab File ID:	120604aa.txt
Dilution:	1.0	Leach Batch:	280-122230	Initial Weight/Volume:	30 mL
Analysis Date:	06/04/2012 1448	Units:	mg/L	Final Weight/Volume:	30 mL
Prep Date:	06/04/2012 1035				
Leach Date:	06/01/2012 2130				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00500	0.00486	97	90 - 116	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-33162-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-123063**

**Method: 9045C
Preparation: N/A**

LCS Lab Sample ID:	LCS 280-123063/4	Analysis Batch:	280-123063	Instrument ID:	WC_Orion 3 Star
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/07/2012 1844	Units:	SU	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-123063/5	Analysis Batch:	280-123063	Instrument ID:	WC_Orion 3 Star
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/07/2012 1846	Units:	SU	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
pH adj. to 25 deg C-Soluble	100	100	97 - 103	0	5		

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-123063**

**Method: 9045C
Preparation: N/A**

LCS Lab Sample ID:	LCS 280-123063/4	Units:	SU	LCSD Lab Sample ID:	LCSD 280-123063/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/07/2012 1844			Analysis Date:	06/07/2012 1846
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
pH adj. to 25 deg C-Soluble	7.00	7.00	6.990	7.000

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-33162-1

Duplicate - Batch: 280-123063

**Method: 9045C
Preparation: N/A**

Lab Sample ID:	580-33162-1	Analysis Batch:	280-123063	Instrument ID:	WC_Orion 3 Star
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	280-123035	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/07/2012 1853	Units:	Degrees C	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	06/07/2012 1541				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Temperature-Soluble	23.2	23.20	0	5	

Duplicate - Batch: 280-123063

**Method: 9045C
Preparation: N/A**

Lab Sample ID:	580-33162-1	Analysis Batch:	280-123063	Instrument ID:	WC_Orion 3 Star
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	280-123035	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/07/2012 1853	Units:	SU	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	06/07/2012 1541				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH adj. to 25 deg C-Soluble	5.55	5.560	0.2	5	

DATA REPORTING QUALIFIERS

Client: Science Applications International Corp

Job Number: 580-33162-1

Lab Section	Qualifier	Description
Metals	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-33162-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 280-122230					
LCS 280-122230/2-B	Lab Control Sample	P	Solid	1311	
LCS 280-122230/2-C	Lab Control Sample	P	Solid	1311	
LB 280-122230/1-B	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB 280-122230/1-C	TCLP SPLPE Leachate Blank	P	Solid	1311	
580-33162-1	TCLP-174	P	Solid	1311	
580-33162-1MS	Matrix Spike	P	Solid	1311	
580-33162-1MSD	Matrix Spike Duplicate	P	Solid	1311	
580-33162-2	TCLP-179	P	Solid	1311	
580-33162-3	TCLP-207	P	Solid	1311	
580-33162-4	TCLP-213	P	Solid	1311	
580-33162-5	TCLP-214	P	Solid	1311	
580-33162-6	TCLP-225	P	Solid	1311	
580-33162-7	TCLP-226	P	Solid	1311	
580-33162-8	TCLP-227	P	Solid	1311	
580-33162-9	TCLP-229	P	Solid	1311	
580-33162-10	TCLP-237	P	Solid	1311	
580-33162-11	TCLP-238	P	Solid	1311	
580-33162-12	TCLP-241	P	Solid	1311	
580-33162-13	TCLP-243	P	Solid	1311	
580-33162-14	TCLP-244	P	Solid	1311	
580-33162-15	TCLP-251	P	Solid	1311	
Prep Batch: 280-122306					
LCS 280-122230/2-B	Lab Control Sample	P	Solid	7470A	280-122230
LB 280-122230/1-B	TCLP SPLPE Leachate Blank	P	Solid	7470A	280-122230
580-33162-1	TCLP-174	P	Solid	7470A	280-122230
580-33162-2	TCLP-179	P	Solid	7470A	280-122230
580-33162-3	TCLP-207	P	Solid	7470A	280-122230
580-33162-4	TCLP-213	P	Solid	7470A	280-122230
580-33162-5	TCLP-214	P	Solid	7470A	280-122230
580-33162-6	TCLP-225	P	Solid	7470A	280-122230
580-33162-7	TCLP-226	P	Solid	7470A	280-122230
580-33162-8	TCLP-227	P	Solid	7470A	280-122230
580-33162-9	TCLP-229	P	Solid	7470A	280-122230
580-33162-10	TCLP-237	P	Solid	7470A	280-122230
580-33162-11	TCLP-238	P	Solid	7470A	280-122230
580-33162-12	TCLP-241	P	Solid	7470A	280-122230
580-33162-13	TCLP-243	P	Solid	7470A	280-122230
580-33162-14	TCLP-244	P	Solid	7470A	280-122230
580-33162-15	TCLP-251	P	Solid	7470A	280-122230

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-33162-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 280-122374					
LCS 280-122230/2-C	Lab Control Sample	P	Solid	3010A	280-122230
LB 280-122230/1-C	TCLP SPLPE Leachate Blank	P	Solid	3010A	280-122230
580-33162-1	TCLP-174	P	Solid	3010A	280-122230
580-33162-1MS	Matrix Spike	P	Solid	3010A	280-122230
580-33162-1MSD	Matrix Spike Duplicate	P	Solid	3010A	280-122230
580-33162-2	TCLP-179	P	Solid	3010A	280-122230
580-33162-3	TCLP-207	P	Solid	3010A	280-122230
580-33162-4	TCLP-213	P	Solid	3010A	280-122230
580-33162-5	TCLP-214	P	Solid	3010A	280-122230
580-33162-6	TCLP-225	P	Solid	3010A	280-122230
580-33162-7	TCLP-226	P	Solid	3010A	280-122230
580-33162-8	TCLP-227	P	Solid	3010A	280-122230
580-33162-9	TCLP-229	P	Solid	3010A	280-122230
580-33162-10	TCLP-237	P	Solid	3010A	280-122230
580-33162-11	TCLP-238	P	Solid	3010A	280-122230
580-33162-12	TCLP-241	P	Solid	3010A	280-122230
580-33162-13	TCLP-243	P	Solid	3010A	280-122230
580-33162-14	TCLP-244	P	Solid	3010A	280-122230
580-33162-15	TCLP-251	P	Solid	3010A	280-122230
Analysis Batch:280-122515					
LCS 280-122230/2-B	Lab Control Sample	P	Solid	7470A	280-122306
LB 280-122230/1-B	TCLP SPLPE Leachate Blank	P	Solid	7470A	280-122306
580-33162-1	TCLP-174	P	Solid	7470A	280-122306
580-33162-2	TCLP-179	P	Solid	7470A	280-122306
580-33162-3	TCLP-207	P	Solid	7470A	280-122306
580-33162-4	TCLP-213	P	Solid	7470A	280-122306
580-33162-5	TCLP-214	P	Solid	7470A	280-122306
580-33162-6	TCLP-225	P	Solid	7470A	280-122306
580-33162-7	TCLP-226	P	Solid	7470A	280-122306
580-33162-8	TCLP-227	P	Solid	7470A	280-122306
580-33162-9	TCLP-229	P	Solid	7470A	280-122306
580-33162-10	TCLP-237	P	Solid	7470A	280-122306
580-33162-11	TCLP-238	P	Solid	7470A	280-122306
580-33162-12	TCLP-241	P	Solid	7470A	280-122306
580-33162-13	TCLP-243	P	Solid	7470A	280-122306
580-33162-14	TCLP-244	P	Solid	7470A	280-122306
580-33162-15	TCLP-251	P	Solid	7470A	280-122306

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-33162-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Analysis Batch:280-122664					
LCS 280-122230/2-C	Lab Control Sample	P	Solid	6010B	280-122374
LB 280-122230/1-C	TCLP SPLPE Leachate Blank	P	Solid	6010B	280-122374
580-33162-1	TCLP-174	P	Solid	6010B	280-122374
580-33162-1MS	Matrix Spike	P	Solid	6010B	280-122374
580-33162-1MSD	Matrix Spike Duplicate	P	Solid	6010B	280-122374
580-33162-2	TCLP-179	P	Solid	6010B	280-122374
580-33162-3	TCLP-207	P	Solid	6010B	280-122374
580-33162-4	TCLP-213	P	Solid	6010B	280-122374
580-33162-5	TCLP-214	P	Solid	6010B	280-122374
580-33162-6	TCLP-225	P	Solid	6010B	280-122374
580-33162-7	TCLP-226	P	Solid	6010B	280-122374
580-33162-8	TCLP-227	P	Solid	6010B	280-122374
580-33162-9	TCLP-229	P	Solid	6010B	280-122374
580-33162-10	TCLP-237	P	Solid	6010B	280-122374
580-33162-11	TCLP-238	P	Solid	6010B	280-122374
580-33162-12	TCLP-241	P	Solid	6010B	280-122374
580-33162-13	TCLP-243	P	Solid	6010B	280-122374
580-33162-14	TCLP-244	P	Solid	6010B	280-122374
580-33162-15	TCLP-251	P	Solid	6010B	280-122374

Report Basis

P = TCLP

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-33162-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report			Prep Batch
		Basis	Client Matrix	Method	
General Chemistry					
Analysis Batch:280-122452					
580-33162-1	TCLP-174	T	Solid	Moisture	
580-33162-2	TCLP-179	T	Solid	Moisture	
580-33162-3	TCLP-207	T	Solid	Moisture	
580-33162-4	TCLP-213	T	Solid	Moisture	
580-33162-5	TCLP-214	T	Solid	Moisture	
580-33162-6	TCLP-225	T	Solid	Moisture	
580-33162-7	TCLP-226	T	Solid	Moisture	
580-33162-8	TCLP-227	T	Solid	Moisture	
580-33162-9	TCLP-229	T	Solid	Moisture	
580-33162-10	TCLP-237	T	Solid	Moisture	
580-33162-11	TCLP-238	T	Solid	Moisture	
580-33162-12	TCLP-241	T	Solid	Moisture	
580-33162-13	TCLP-243	T	Solid	Moisture	
580-33162-14	TCLP-244	T	Solid	Moisture	
580-33162-15	TCLP-251	T	Solid	Moisture	
Prep Batch: 280-123035					
580-33162-1	TCLP-174	S	Solid	DI Leach	
580-33162-1DU	Duplicate	S	Solid	DI Leach	
580-33162-2	TCLP-179	S	Solid	DI Leach	
580-33162-3	TCLP-207	S	Solid	DI Leach	
580-33162-4	TCLP-213	S	Solid	DI Leach	
580-33162-5	TCLP-214	S	Solid	DI Leach	
580-33162-6	TCLP-225	S	Solid	DI Leach	
580-33162-7	TCLP-226	S	Solid	DI Leach	
580-33162-8	TCLP-227	S	Solid	DI Leach	
580-33162-9	TCLP-229	S	Solid	DI Leach	
580-33162-10	TCLP-237	S	Solid	DI Leach	
580-33162-11	TCLP-238	S	Solid	DI Leach	
580-33162-12	TCLP-241	S	Solid	DI Leach	
580-33162-13	TCLP-243	S	Solid	DI Leach	
580-33162-14	TCLP-244	S	Solid	DI Leach	
580-33162-15	TCLP-251	S	Solid	DI Leach	

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-33162-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report			Prep Batch
		Basis	Client Matrix	Method	
General Chemistry					
Analysis Batch:280-123063					
LCS 280-123063/4	Lab Control Sample	T	Water	9045C	
LCSD 280-123063/5	Lab Control Sample Duplicate	T	Water	9045C	
580-33162-1	TCLP-174	S	Solid	9045C	
580-33162-1DU	Duplicate	S	Solid	9045C	
580-33162-2	TCLP-179	S	Solid	9045C	
580-33162-3	TCLP-207	S	Solid	9045C	
580-33162-4	TCLP-213	S	Solid	9045C	
580-33162-5	TCLP-214	S	Solid	9045C	
580-33162-6	TCLP-225	S	Solid	9045C	
580-33162-7	TCLP-226	S	Solid	9045C	
580-33162-8	TCLP-227	S	Solid	9045C	
580-33162-9	TCLP-229	S	Solid	9045C	
580-33162-10	TCLP-237	S	Solid	9045C	
580-33162-11	TCLP-238	S	Solid	9045C	
580-33162-12	TCLP-241	S	Solid	9045C	
580-33162-13	TCLP-243	S	Solid	9045C	
580-33162-14	TCLP-244	S	Solid	9045C	
580-33162-15	TCLP-251	S	Solid	9045C	

Report Basis

S = Soluble

T = Total

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-33162-1

Laboratory Chronicle

Lab ID: 580-33162-1

Client ID: TCLP-174

Sample Date/Time: 05/29/2012 13:45

Received Date/Time: 05/30/2012 14:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-33162-A-1-C		280-122664	280-122374	06/05/2012	07:00	1	TAL DEN	CLI
A:6010B	580-33162-A-1-C		280-122664	280-122374	06/05/2012	19:47	1	TAL DEN	JKH
P:7470A	580-33162-A-1-B		280-122515	280-122306	06/04/2012	10:35	1	TAL DEN	CLI
A:7470A	580-33162-A-1-B		280-122515	280-122306	06/04/2012	14:50	1	TAL DEN	CLI
A:9045C	580-33162-A-1-F		280-123063		06/07/2012	18:50	1	TAL DEN	MW
A:Moisture	580-33162-A-1		280-122452		06/04/2012	17:29	1	TAL DEN	EJP

Lab ID: 580-33162-1 MS

Client ID: TCLP-174

Sample Date/Time: 05/29/2012 13:45

Received Date/Time: 05/30/2012 14:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-33162-A-1-D MS		280-122664	280-122374	06/05/2012	07:00	1	TAL DEN	CLI
A:6010B	580-33162-A-1-D MS		280-122664	280-122374	06/05/2012	19:52	1	TAL DEN	JKH

Lab ID: 580-33162-1 MSD

Client ID: TCLP-174

Sample Date/Time: 05/29/2012 13:45

Received Date/Time: 05/30/2012 14:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-33162-A-1-E MSD		280-122664	280-122374	06/05/2012	07:00	1	TAL DEN	CLI
A:6010B	580-33162-A-1-E MSD		280-122664	280-122374	06/05/2012	19:54	1	TAL DEN	JKH

Lab ID: 580-33162-1 DU

Client ID: TCLP-174

Sample Date/Time: 05/29/2012 13:45

Received Date/Time: 05/30/2012 14:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
A:9045C	580-33162-A-1-G DU		280-123063		06/07/2012	18:53	1	TAL DEN	MW

Lab ID: 580-33162-1 SD

Client ID: TCLP-174

Sample Date/Time: 05/29/2012 13:45

Received Date/Time: 05/30/2012 14:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-33162-A-1-C SD ^5		280-122664	280-122374	06/05/2012	07:00	5	TAL DEN	CLI
A:6010B	580-33162-A-1-C SD ^5		280-122664	280-122374	06/05/2012	19:49	5	TAL DEN	JKH

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-33162-1

Laboratory Chronicle

Lab ID: 580-33162-2

Client ID: TCLP-179

Sample Date/Time: 05/29/2012 13:20

Received Date/Time: 05/30/2012 14:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-33162-A-2-C		280-122664	280-122374	06/05/2012	07:00	1	TAL DEN	CLI
A:6010B	580-33162-A-2-C		280-122664	280-122374	06/05/2012	19:57	1	TAL DEN	JKH
P:7470A	580-33162-A-2-B		280-122515	280-122306	06/04/2012	10:35	1	TAL DEN	CLI
A:7470A	580-33162-A-2-B		280-122515	280-122306	06/04/2012	14:53	1	TAL DEN	CLI
A:9045C	580-33162-A-2-D		280-123063		06/07/2012	18:56	1	TAL DEN	MW
A:Moisture	580-33162-A-2		280-122452		06/04/2012	17:29	1	TAL DEN	EJP

Lab ID: 580-33162-3

Client ID: TCLP-207

Sample Date/Time: 05/29/2012 13:00

Received Date/Time: 05/30/2012 14:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-33162-A-3-C		280-122664	280-122374	06/05/2012	07:00	1	TAL DEN	CLI
A:6010B	580-33162-A-3-C		280-122664	280-122374	06/05/2012	19:59	1	TAL DEN	JKH
P:7470A	580-33162-A-3-B		280-122515	280-122306	06/04/2012	10:35	1	TAL DEN	CLI
A:7470A	580-33162-A-3-B		280-122515	280-122306	06/04/2012	14:55	1	TAL DEN	CLI
A:9045C	580-33162-A-3-D		280-123063		06/07/2012	19:00	1	TAL DEN	MW
A:Moisture	580-33162-A-3		280-122452		06/04/2012	17:29	1	TAL DEN	EJP

Lab ID: 580-33162-4

Client ID: TCLP-213

Sample Date/Time: 05/29/2012 12:30

Received Date/Time: 05/30/2012 14:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-33162-A-4-C		280-122664	280-122374	06/05/2012	07:00	1	TAL DEN	CLI
A:6010B	580-33162-A-4-C		280-122664	280-122374	06/05/2012	20:12	1	TAL DEN	JKH
P:7470A	580-33162-A-4-B		280-122515	280-122306	06/04/2012	10:35	1	TAL DEN	CLI
A:7470A	580-33162-A-4-B		280-122515	280-122306	06/04/2012	14:57	1	TAL DEN	CLI
A:9045C	580-33162-A-4-D		280-123063		06/07/2012	19:03	1	TAL DEN	MW
A:Moisture	580-33162-A-4		280-122452		06/04/2012	17:29	1	TAL DEN	EJP

Lab ID: 580-33162-5

Client ID: TCLP-214

Sample Date/Time: 05/29/2012 15:15

Received Date/Time: 05/30/2012 14:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-33162-A-5-C		280-122664	280-122374	06/05/2012	07:00	1	TAL DEN	CLI
A:6010B	580-33162-A-5-C		280-122664	280-122374	06/05/2012	20:15	1	TAL DEN	JKH
P:7470A	580-33162-A-5-B		280-122515	280-122306	06/04/2012	10:35	1	TAL DEN	CLI
A:7470A	580-33162-A-5-B		280-122515	280-122306	06/04/2012	15:00	1	TAL DEN	CLI
A:9045C	580-33162-A-5-D		280-123063		06/07/2012	19:06	1	TAL DEN	MW
A:Moisture	580-33162-A-5		280-122452		06/04/2012	17:29	1	TAL DEN	EJP

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-33162-1

Laboratory Chronicle

Lab ID: 580-33162-6

Client ID: TCLP-225

Sample Date/Time: 05/29/2012 15:00

Received Date/Time: 05/30/2012 14:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-33162-A-6-C		280-122664	280-122374	06/05/2012	07:00	1	TAL DEN	CLI
A:6010B	580-33162-A-6-C		280-122664	280-122374	06/05/2012	20:17	1	TAL DEN	JKH
P:7470A	580-33162-A-6-B		280-122515	280-122306	06/04/2012	10:35	1	TAL DEN	CLI
A:7470A	580-33162-A-6-B		280-122515	280-122306	06/04/2012	15:02	1	TAL DEN	CLI
A:9045C	580-33162-A-6-D		280-123063		06/07/2012	19:09	1	TAL DEN	MW
A:Moisture	580-33162-A-6		280-122452		06/04/2012	17:29	1	TAL DEN	EJP

Lab ID: 580-33162-7

Client ID: TCLP-226

Sample Date/Time: 05/29/2012 14:30

Received Date/Time: 05/30/2012 14:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-33162-A-7-C		280-122664	280-122374	06/05/2012	07:00	1	TAL DEN	CLI
A:6010B	580-33162-A-7-C		280-122664	280-122374	06/05/2012	20:20	1	TAL DEN	JKH
P:7470A	580-33162-A-7-B		280-122515	280-122306	06/04/2012	10:35	1	TAL DEN	CLI
A:7470A	580-33162-A-7-B		280-122515	280-122306	06/04/2012	15:04	1	TAL DEN	CLI
A:9045C	580-33162-A-7-D		280-123063		06/07/2012	19:12	1	TAL DEN	MW
A:Moisture	580-33162-A-7		280-122452		06/04/2012	17:29	1	TAL DEN	EJP

Lab ID: 580-33162-8

Client ID: TCLP-227

Sample Date/Time: 05/29/2012 14:00

Received Date/Time: 05/30/2012 14:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-33162-A-8-C		280-122664	280-122374	06/05/2012	07:00	1	TAL DEN	CLI
A:6010B	580-33162-A-8-C		280-122664	280-122374	06/05/2012	20:22	1	TAL DEN	JKH
P:7470A	580-33162-A-8-B		280-122515	280-122306	06/04/2012	10:35	1	TAL DEN	CLI
A:7470A	580-33162-A-8-B		280-122515	280-122306	06/04/2012	15:07	1	TAL DEN	CLI
A:9045C	580-33162-A-8-D		280-123063		06/07/2012	19:20	1	TAL DEN	MW
A:Moisture	580-33162-A-8		280-122452		06/04/2012	17:29	1	TAL DEN	EJP

Lab ID: 580-33162-9

Client ID: TCLP-229

Sample Date/Time: 05/29/2012 16:40

Received Date/Time: 05/30/2012 14:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-33162-A-9-C		280-122664	280-122374	06/05/2012	07:00	1	TAL DEN	CLI
A:6010B	580-33162-A-9-C		280-122664	280-122374	06/05/2012	20:25	1	TAL DEN	JKH
P:7470A	580-33162-A-9-B		280-122515	280-122306	06/04/2012	10:35	1	TAL DEN	CLI
A:7470A	580-33162-A-9-B		280-122515	280-122306	06/04/2012	15:09	1	TAL DEN	CLI
A:9045C	580-33162-A-9-D		280-123063		06/07/2012	19:23	1	TAL DEN	MW
A:Moisture	580-33162-A-9		280-122452		06/04/2012	17:29	1	TAL DEN	EJP

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-33162-1

Laboratory Chronicle

Lab ID: 580-33162-10

Client ID: TCLP-237

Sample Date/Time: 05/29/2012 16:10

Received Date/Time: 05/30/2012 14:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-33162-A-10-C		280-122664	280-122374	06/05/2012	07:00	1	TAL DEN	CLI
A:6010B	580-33162-A-10-C		280-122664	280-122374	06/05/2012	20:27	1	TAL DEN	JKH
P:7470A	580-33162-A-10-B		280-122515	280-122306	06/04/2012	10:35	1	TAL DEN	CLI
A:7470A	580-33162-A-10-B		280-122515	280-122306	06/04/2012	15:16	1	TAL DEN	CLI
A:9045C	580-33162-A-10-D		280-123063		06/07/2012	19:26	1	TAL DEN	MW
A:Moisture	580-33162-A-10		280-122452		06/04/2012	17:29	1	TAL DEN	EJP

Lab ID: 580-33162-11

Client ID: TCLP-238

Sample Date/Time: 05/29/2012 16:00

Received Date/Time: 05/30/2012 14:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-33162-A-11-C		280-122664	280-122374	06/05/2012	07:00	1	TAL DEN	CLI
A:6010B	580-33162-A-11-C		280-122664	280-122374	06/05/2012	20:40	1	TAL DEN	JKH
P:7470A	580-33162-A-11-B		280-122515	280-122306	06/04/2012	10:35	1	TAL DEN	CLI
A:7470A	580-33162-A-11-B		280-122515	280-122306	06/04/2012	15:18	1	TAL DEN	CLI
A:9045C	580-33162-A-11-D		280-123063		06/07/2012	19:30	1	TAL DEN	MW
A:Moisture	580-33162-A-11		280-122452		06/04/2012	17:34	1	TAL DEN	EJP

Lab ID: 580-33162-12

Client ID: TCLP-241

Sample Date/Time: 05/29/2012 17:35

Received Date/Time: 05/30/2012 14:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-33162-A-12-C		280-122664	280-122374	06/05/2012	07:00	1	TAL DEN	CLI
A:6010B	580-33162-A-12-C		280-122664	280-122374	06/05/2012	20:43	1	TAL DEN	JKH
P:7470A	580-33162-A-12-B		280-122515	280-122306	06/04/2012	10:35	1	TAL DEN	CLI
A:7470A	580-33162-A-12-B		280-122515	280-122306	06/04/2012	15:20	1	TAL DEN	CLI
A:9045C	580-33162-A-12-D		280-123063		06/07/2012	19:35	1	TAL DEN	MW
A:Moisture	580-33162-A-12		280-122452		06/04/2012	17:34	1	TAL DEN	EJP

Lab ID: 580-33162-13

Client ID: TCLP-243

Sample Date/Time: 05/29/2012 17:20

Received Date/Time: 05/30/2012 14:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-33162-A-13-C		280-122664	280-122374	06/05/2012	07:00	1	TAL DEN	CLI
A:6010B	580-33162-A-13-C		280-122664	280-122374	06/05/2012	20:45	1	TAL DEN	JKH
P:7470A	580-33162-A-13-B		280-122515	280-122306	06/04/2012	10:35	1	TAL DEN	CLI
A:7470A	580-33162-A-13-B		280-122515	280-122306	06/04/2012	15:23	1	TAL DEN	CLI
A:9045C	580-33162-A-13-D		280-123063		06/07/2012	19:39	1	TAL DEN	MW
A:Moisture	580-33162-A-13		280-122452		06/04/2012	17:34	1	TAL DEN	EJP

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-33162-1

Laboratory Chronicle

Lab ID: 580-33162-14

Client ID: TCLP-244

Sample Date/Time: 05/29/2012 17:00

Received Date/Time: 05/30/2012 14:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-33162-A-14-C		280-122664	280-122374	06/05/2012	07:00	1	TAL DEN	CLI
A:6010B	580-33162-A-14-C		280-122664	280-122374	06/05/2012	20:48	1	TAL DEN	JKH
P:7470A	580-33162-A-14-B		280-122515	280-122306	06/04/2012	10:35	1	TAL DEN	CLI
A:7470A	580-33162-A-14-B		280-122515	280-122306	06/04/2012	15:25	1	TAL DEN	CLI
A:9045C	580-33162-A-14-D		280-123063		06/07/2012	19:43	1	TAL DEN	MW
A:Moisture	580-33162-A-14		280-122452		06/04/2012	17:34	1	TAL DEN	EJP

Lab ID: 580-33162-15

Client ID: TCLP-251

Sample Date/Time: 05/29/2012 15:40

Received Date/Time: 05/30/2012 14:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-33162-A-15-C		280-122664	280-122374	06/05/2012	07:00	1	TAL DEN	CLI
A:6010B	580-33162-A-15-C		280-122664	280-122374	06/05/2012	20:50	1	TAL DEN	JKH
P:7470A	580-33162-A-15-B		280-122515	280-122306	06/04/2012	10:35	1	TAL DEN	CLI
A:7470A	580-33162-A-15-B		280-122515	280-122306	06/04/2012	15:27	1	TAL DEN	CLI
A:9045C	580-33162-A-15-D		280-123063		06/07/2012	19:46	1	TAL DEN	MW
A:Moisture	580-33162-A-15		280-122452		06/04/2012	17:34	1	TAL DEN	EJP

Lab ID: LB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	LB 280-122230/1-C		280-122664	280-122374	06/05/2012	07:00	1	TAL DEN	CLI
A:6010B	LB 280-122230/1-C		280-122664	280-122374	06/05/2012	19:42	1	TAL DEN	JKH
P:7470A	LB 280-122230/1-B		280-122515	280-122306	06/04/2012	10:35	1	TAL DEN	CLI
A:7470A	LB 280-122230/1-B		280-122515	280-122306	06/04/2012	14:41	1	TAL DEN	CLI

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	LCS 280-122230/2-C		280-122664	280-122374	06/05/2012	07:00	1	TAL DEN	CLI
A:6010B	LCS 280-122230/2-C		280-122664	280-122374	06/05/2012	19:44	1	TAL DEN	JKH
P:7470A	LCS 280-122230/2-B		280-122515	280-122306	06/04/2012	10:35	1	TAL DEN	CLI
A:7470A	LCS 280-122230/2-B		280-122515	280-122306	06/04/2012	14:48	1	TAL DEN	CLI
A:9045C	LCS 280-123063/4		280-123063		06/07/2012	18:44	1	TAL DEN	MW

Quality Control Results

Client: Science Applications International Corp

Job Number: 580-33162-1

Laboratory Chronicle

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9045C	LCSD 280-123063/5		280-123063		06/07/2012 18:46	1	TAL DEN	MW

Lab References:

TAL DEN = TestAmerica Denver

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
alt Pb Se_00002	03/01/13	06/05/12	5% HNO3/5%HCl, Lot see reagent log	1000 mL	1000 Pb_00009	0.009 mL	Lead	0.009 mg/L
.1000 Pb_00009	03/01/13		Inorganic Ventures, Lot E2-PB03029		(Purchased Reagent)		Lead	1000 mg/L
Hg Daily Spk_00562	06/05/12	06/04/12	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00040	1 mL	Mercury	0.1 mg/L
.Hg Mnth Spike_00040	06/17/12	05/17/12	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00004	1 mL	Mercury	10 mg/L
..Hg Ultra Prim_00004	05/31/17		Ultra Scientific, Lot L00365		(Purchased Reagent)		Mercury	1000 mg/L
Hg H2O ICV_00371	06/05/12	06/04/12	1% HNO3, Lot K23022	100 mL	Hg Biwk ICV_00081	1 mL	Mercury	0.004 mg/L
.Hg Biwk ICV_00081	06/18/12	06/04/12	1% HNO3, Lot K23022	100 mL	Hg ICV Stock_00004	0.4 mL	Mercury	0.4 mg/L
..Hg ICV Stock_00004	04/01/13		Inorganic Ventures, Lot E2-HG02088		(Purchased Reagent)		Mercury	100 mg/L
Hg H2O CCV_00364	06/05/12	06/04/12	1% HNO3, Lot K23022	100 mL	Hg Daily Spk_00562	5 mL	Mercury	0.005 mg/L
.Hg Daily Spk_00562	06/05/12	06/04/12	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00040	1 mL	Mercury	0.1 mg/L
..Hg Mnth Spike_00040	06/17/12	05/17/12	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00004	1 mL	Mercury	10 mg/L
...Hg Ultra Prim_00004	05/31/17		Ultra Scientific, Lot L00365		(Purchased Reagent)		Mercury	1000 mg/L
ICP CCVL_00249	09/01/12	05/31/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL1A_00228	250 mL	Arsenic	1 mg/L
							Lead	1 mg/L
							Selenium	1 mg/L
							Barium	0.5 mg/L
							Cadmium	0.5 mg/L
							Chromium	0.5 mg/L
							Silver	0.5 mg/L
.ICP ICAL1A_00228	09/01/12	05/31/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	1000 As_00007	1 mL	Arsenic	2 mg/L
					1000 Pb_00008	1 mL	Lead	2 mg/L
					1000 Se_00005	1 mL	Selenium	2 mg/L
					Icp cal std 3_00005	5 mL	Barium	1 mg/L
							Cadmium	1 mg/L
							Chromium	1 mg/L
							Silver	1 mg/L
..1000 As_00007	03/01/13		Inorganic Venture, Lot D2-AS02071		(Purchased Reagent)		Arsenic	1000 mg/L
..1000 Pb_00008	11/01/12		Inorganic Ventures, Lot E2-PB03029		(Purchased Reagent)		Lead	1000 mg/L
..1000 Se_00005	03/01/13		Inorganic Ventures, Lot E2-Se02033		(Purchased Reagent)		Selenium	1000 mg/L
..Icp cal std 3_00005	01/01/13		Inorganic Ventures, Lot D2-meb357104		(Purchased Reagent)		Barium	100 mg/L
							Cadmium	100 mg/L
							Chromium	100 mg/L
							Silver	100 mg/L
ICP ICSA_00057	05/01/13	05/29/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	Icp stk ICSA_00006	25 mL	Al	500 mg/L
							Ca	500 mg/L
							Fe	200 mg/L
							Mg	500 mg/L
.Icp stk ICSA_00006	05/01/13		Inorganic Ventures, Lot E2-MEB348035		(Purchased Reagent)		Al	5000 mg/L
							Ca	5000 mg/L
							Fe	2000 mg/L
							Mg	5000 mg/L
ICP ICSAB_00049	01/01/13	05/17/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	1000 Zr_00004	0.25 mL	Zr	1 mg/L
					1000 Si_00007	0.25 mL	Si	1 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					10000 Th_00003	0.05 mL	Th	2 mg/L
					ANALYTES B_00005	2.5 mL	Barium	0.5 mg/L
							Be	0.5 mg/L
							Cadmium	1 mg/L
							Chromium	0.5 mg/L
							Co	0.5 mg/L
							Cu	0.5 mg/L
							Lead	1 mg/L
							Mn	0.5 mg/L
							Ni	1 mg/L
							Silver	1 mg/L
							V	0.5 mg/L
							Zn	1 mg/L
					ICP ISAB 1B_00004	2.5 mL	Tl	10 mg/L
					ICP ISAB STD1_00004	2.5 mL	Arsenic	2 mg/L
							B	2 mg/L
							K	50 mg/L
							Li	1 mg/L
							Mo	1 mg/L
							Na	50 mg/L
P	2 mg/L							
Sb	1 mg/L							
Selenium	5 mg/L							
Sr	1 mg/L							
ICP ISAB STD2_00004	2.5 mL	Sn	10 mg/L					
Ti	1 mg/L							
Icp stk ICSA_00006	25 mL	Al	500 mg/L					
		Ca	500 mg/L					
		Fe	200 mg/L					
		Mg	500 mg/L					
.1000 Zr_00004	04/01/13		Spex, Lot E2-ZR01085		(Purchased Reagent)	Zr	1000 mg/L	
.10000 Si_00007	04/01/13		Inorganic ventures, Lot F2-SI03011		(Purchased Reagent)	Si	10000 mg/L	
.10000 Th_00003	01/01/13		Inorganic Ventures, Lot D2-TH01080		(Purchased Reagent)	Th	10000 mg/L	
.ANALYTES B_00005	01/15/13		SPEX, Lot 43-33AS		(Purchased Reagent)	Barium	50 mg/L	
						Be	50 mg/L	
						Cadmium	100 mg/L	
						Chromium	50 mg/L	
						Co	50 mg/L	
						Cu	50 mg/L	
						Lead	100 mg/L	
						Mn	50 mg/L	
						Ni	100 mg/L	
						Silver	100 mg/L	
						V	50 mg/L	
						Zn	100 mg/L	
.ICP ISAB 1B_00004	04/23/13		High Purity, Lot 1211024		(Purchased Reagent)	Tl	1000 mg/L	
.ICP ISAB STD1_00004	04/23/13		High Purity, Lot 1211023		(Purchased Reagent)	Arsenic	200 mg/L	
						B	200 mg/L	
						K	5000 mg/L	
						Li	1000 mg/L	

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Mo	100 mg/L
							Na	5000 mg/L
							P	200 mg/L
							Sb	100 mg/L
							Selenium	500 mg/L
							Sr	100 mg/L
.ICP ISAB STD2_00004	04/23/13		High Purity, Lot 1211022		(Purchased Reagent)		Sn	1000 mg/L
							Ti	100 mg/L
.Icp stk ICSA_00006	05/01/13		Inorganic Ventures, Lot E2-MEB348035		(Purchased Reagent)		Al	5000 mg/L
							Ca	5000 mg/L
							Fe	2000 mg/L
							Mg	5000 mg/L
ICP ICVL_00072	03/19/13	05/31/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	200 mL	Icp ICVL A_00004	2 mL	Arsenic	0.25 mg/L
							Barium	0.25 mg/L
							Cadmium	0.25 mg/L
							Chromium	0.25 mg/L
							Lead	0.25 mg/L
							Selenium	0.5 mg/L
					Icp ICVL B_00004	2 mL	Silver	0.25 mg/L
.Icp ICVL A_00004	03/19/13		High Purity, Lot 1207636		(Purchased Reagent)		Arsenic	25 mg/L
							Barium	25 mg/L
							Cadmium	25 mg/L
							Chromium	25 mg/L
							Lead	25 mg/L
							Selenium	50 mg/L
.Icp ICVL B_00004	03/19/13		HIGH PURITY, Lot 1207615		(Purchased Reagent)		Silver	25 mg/L
ICP RL STD_00648	06/06/12	06/05/12	5:HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD3A_00003	0.1 mL	Barium	0.005 mg/L
							Cadmium	0.005 mg/L
							Chromium	0.01 mg/L
							Silver	0.01 mg/L
					ICP RLSTD 1A_00004	0.1 mL	Arsenic	0.01 mg/L
							Selenium	0.01 mg/L
.ICP RL STD3A_00003	07/01/12		Inorganic Ventures, Lot E2-MEB381084		(Purchased Reagent)		Barium	5 mg/L
							Cadmium	5 mg/L
							Chromium	10 mg/L
							Silver	10 mg/L
.ICP RLSTD 1A_00004	07/01/12		Inorganic Ventures, Lot E2-MEB381083		(Purchased Reagent)		Arsenic	10 mg/L
							Selenium	10 mg/L
ICP SPK 2A_00044	06/01/13		Inorganic Ventures, Lot F2--MEB416010		(Purchased Reagent)		B	100 mg/L
							Mo	100 mg/L
							Sb	50 mg/L
							Si	1000 mg/L
							SiO2	2140 mg/L
							Sn	200 mg/L
							Ti	100 mg/L
							Zr	50 mg/L
ICP SPK 3A_00046	06/01/13		Inorganic Ventures, Lot F2-MEB416010		(Purchased Reagent)		Al	50 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Arsenic	100 mg/L
							Barium	200 mg/L
							Be	5 mg/L
							Bi	200 mg/L
							Ca	5000 mg/L
							Cadmium	10 mg/L
							Chromium	20 mg/L
							Co	50 mg/L
							Cu	25 mg/L
							Fe	100 mg/L
							K	5000 mg/L
							Lead	50 mg/L
							Li	100 mg/L
							Mg	5000 mg/L
							Mn	50 mg/L
							Na	5000 mg/L
							Ni	50 mg/L
							P	1000 mg/L
							Selenium	200 mg/L
							Silver	5 mg/L
							Sr	100 mg/L
							Th	100 mg/L
							Tl	200 mg/L
							U	200 mg/L
							V	50 mg/L
							Zn	50 mg/L
pH 7.0 Buffer_00081	02/28/14		Ricca, Lot 4202577			(Purchased Reagent)	pH adj. to 25 deg C	7 SU
pH 7.0 ICV_00040	11/30/13		Fisher, Lot 116538			(Purchased Reagent)	pH adj. to 25 deg C	7 SU
TCLP Spike_00006	10/01/12		Inorganic Ventures, Lot E2-MEB393054			(Purchased Reagent)	Arsenic	300 mg/L
							Barium	1000 mg/L
							Cadmium	100 mg/L
							Chromium	500 mg/L
							Cu	200 mg/L
							Lead	500 mg/L
							Selenium	100 mg/L
							Silver	100 mg/L
							Zn	200 mg/L

Certification Summary

Client: Science Applications International Corp
 Project/Site: Everett Smelter Uplands

TestAmerica Job ID: 580-33162-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alabama	State Program	4	40730
TestAmerica Denver	Alaska (UST)	State Program	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas DEQ	State Program	6	88-0687
TestAmerica Denver	California	State Program	9	2513
TestAmerica Denver	Colorado	State Program	8	N/A
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAC	4	E87667
TestAmerica Denver	Georgia	State Program	4	N/A
TestAmerica Denver	Idaho	State Program	10	CO00026
TestAmerica Denver	Illinois	NELAC	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAC	7	E-10166
TestAmerica Denver	Louisiana	NELAC	6	30785
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Maryland	State Program	3	268
TestAmerica Denver	Minnesota	NELAC	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Jersey	NELAC	2	CO004
TestAmerica Denver	New Mexico	State Program	6	N/A
TestAmerica Denver	New York	NELAC	2	11964
TestAmerica Denver	North Carolina DENR	State Program	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAC	10	CO200001
TestAmerica Denver	Pennsylvania	NELAC	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002
TestAmerica Denver	Tennessee	State Program	4	TN02944
TestAmerica Denver	Texas	NELAC	6	T104704183-08-TX
TestAmerica Denver	USDA	Federal		P330-08-00036
TestAmerica Denver	Utah	NELAC	8	QUAN5
TestAmerica Denver	Washington	State Program	10	C1284
TestAmerica Denver	West Virginia DEP	State Program	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Denver Job Number: 580-33162-1

SDG No.: _____

Project: Everett Smelter Uplands

Client Sample ID	Lab Sample ID
<u>TCLP-174</u>	<u>580-33162-1</u>
<u>TCLP-179</u>	<u>580-33162-2</u>
<u>TCLP-207</u>	<u>580-33162-3</u>
<u>TCLP-213</u>	<u>580-33162-4</u>
<u>TCLP-214</u>	<u>580-33162-5</u>
<u>TCLP-225</u>	<u>580-33162-6</u>
<u>TCLP-226</u>	<u>580-33162-7</u>
<u>TCLP-227</u>	<u>580-33162-8</u>
<u>TCLP-229</u>	<u>580-33162-9</u>
<u>TCLP-237</u>	<u>580-33162-10</u>
<u>TCLP-238</u>	<u>580-33162-11</u>
<u>TCLP-241</u>	<u>580-33162-12</u>
<u>TCLP-243</u>	<u>580-33162-13</u>
<u>TCLP-244</u>	<u>580-33162-14</u>
<u>TCLP-251</u>	<u>580-33162-15</u>

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-174

Lab Sample ID: 580-33162-1

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 13:45

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.50	0.022	mg/L			1	6010B
7440-39-3	Barium	0.59	1.0	0.0020	mg/L	J	B	1	6010B
7440-43-9	Cadmium	0.0022	0.10	0.0020	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.50	0.0030	mg/L			1	6010B
7439-92-1	Lead	0.021	0.50	0.013	mg/L	J		1	6010B
7782-49-2	Selenium	0.025	0.10	0.024	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.50	0.0040	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.000030	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-179

Lab Sample ID: 580-33162-2

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 13:20

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.50	0.022	mg/L			1	6010B
7440-39-3	Barium	0.18	1.0	0.0020	mg/L	J	B	1	6010B
7440-43-9	Cadmium	ND	0.10	0.0020	mg/L			1	6010B
7440-47-3	Chromium	ND	0.50	0.0030	mg/L			1	6010B
7439-92-1	Lead	0.015	0.50	0.013	mg/L	J		1	6010B
7782-49-2	Selenium	0.059	0.10	0.024	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.50	0.0040	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.000030	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-207

Lab Sample ID: 580-33162-3

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 13:00

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.50	0.022	mg/L			1	6010B
7440-39-3	Barium	0.46	1.0	0.0020	mg/L	J	B	1	6010B
7440-43-9	Cadmium	0.0025	0.10	0.0020	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.50	0.0030	mg/L			1	6010B
7439-92-1	Lead	ND	0.50	0.013	mg/L			1	6010B
7782-49-2	Selenium	0.043	0.10	0.024	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.50	0.0040	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.000030	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-213

Lab Sample ID: 580-33162-4

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 12:30

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.50	0.022	mg/L			1	6010B
7440-39-3	Barium	0.56	1.0	0.0020	mg/L	J	B	1	6010B
7440-43-9	Cadmium	0.0023	0.10	0.0020	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.50	0.0030	mg/L			1	6010B
7439-92-1	Lead	0.073	0.50	0.013	mg/L	J		1	6010B
7782-49-2	Selenium	0.027	0.10	0.024	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.50	0.0040	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.000030	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-214

Lab Sample ID: 580-33162-5

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 15:15

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.50	0.022	mg/L			1	6010B
7440-39-3	Barium	0.63	1.0	0.0020	mg/L	J	B	1	6010B
7440-43-9	Cadmium	ND	0.10	0.0020	mg/L			1	6010B
7440-47-3	Chromium	ND	0.50	0.0030	mg/L			1	6010B
7439-92-1	Lead	0.015	0.50	0.013	mg/L	J		1	6010B
7782-49-2	Selenium	0.057	0.10	0.024	mg/L	J	B	1	6010B
7440-22-4	Silver	0.0047	0.50	0.0040	mg/L	J		1	6010B
7439-97-6	Mercury	ND	0.0020	0.000030	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-225

Lab Sample ID: 580-33162-6

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 15:00

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.50	0.022	mg/L			1	6010B
7440-39-3	Barium	0.56	1.0	0.0020	mg/L	J	B	1	6010B
7440-43-9	Cadmium	0.0044	0.10	0.0020	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.50	0.0030	mg/L			1	6010B
7439-92-1	Lead	0.028	0.50	0.013	mg/L	J		1	6010B
7782-49-2	Selenium	0.027	0.10	0.024	mg/L	J	B	1	6010B
7440-22-4	Silver	0.0052	0.50	0.0040	mg/L	J		1	6010B
7439-97-6	Mercury	ND	0.0020	0.000030	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-226

Lab Sample ID: 580-33162-7

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 14:30

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.50	0.022	mg/L			1	6010B
7440-39-3	Barium	0.53	1.0	0.0020	mg/L	J	B	1	6010B
7440-43-9	Cadmium	0.0032	0.10	0.0020	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.50	0.0030	mg/L			1	6010B
7439-92-1	Lead	0.018	0.50	0.013	mg/L	J		1	6010B
7782-49-2	Selenium	0.037	0.10	0.024	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.50	0.0040	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.000030	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-227

Lab Sample ID: 580-33162-8

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 14:00

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.50	0.022	mg/L			1	6010B
7440-39-3	Barium	0.68	1.0	0.0020	mg/L	J	B	1	6010B
7440-43-9	Cadmium	0.0029	0.10	0.0020	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.50	0.0030	mg/L			1	6010B
7439-92-1	Lead	0.047	0.50	0.013	mg/L	J		1	6010B
7782-49-2	Selenium	0.034	0.10	0.024	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.50	0.0040	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.000030	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-229

Lab Sample ID: 580-33162-9

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 16:40

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.50	0.022	mg/L			1	6010B
7440-39-3	Barium	0.60	1.0	0.0020	mg/L	J	B	1	6010B
7440-43-9	Cadmium	0.0065	0.10	0.0020	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.50	0.0030	mg/L			1	6010B
7439-92-1	Lead	0.041	0.50	0.013	mg/L	J		1	6010B
7782-49-2	Selenium	0.027	0.10	0.024	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.50	0.0040	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.000030	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-237

Lab Sample ID: 580-33162-10

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 16:10

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.040	0.50	0.022	mg/L	J		1	6010B
7440-39-3	Barium	0.53	1.0	0.0020	mg/L	J	B	1	6010B
7440-43-9	Cadmium	0.0069	0.10	0.0020	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.50	0.0030	mg/L			1	6010B
7439-92-1	Lead	0.048	0.50	0.013	mg/L	J		1	6010B
7782-49-2	Selenium	0.033	0.10	0.024	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.50	0.0040	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.000030	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-238

Lab Sample ID: 580-33162-11

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 16:00

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.50	0.022	mg/L			1	6010B
7440-39-3	Barium	0.55	1.0	0.0020	mg/L	J	B	1	6010B
7440-43-9	Cadmium	0.0037	0.10	0.0020	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.50	0.0030	mg/L			1	6010B
7439-92-1	Lead	0.032	0.50	0.013	mg/L	J		1	6010B
7782-49-2	Selenium	0.041	0.10	0.024	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.50	0.0040	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.000030	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-241

Lab Sample ID: 580-33162-12

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 17:35

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.50	0.022	mg/L			1	6010B
7440-39-3	Barium	0.35	1.0	0.0020	mg/L	J	B	1	6010B
7440-43-9	Cadmium	0.0020	0.10	0.0020	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.50	0.0030	mg/L			1	6010B
7439-92-1	Lead	0.022	0.50	0.013	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.024	mg/L			1	6010B
7440-22-4	Silver	ND	0.50	0.0040	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.000030	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-243

Lab Sample ID: 580-33162-13

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 17:20

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.50	0.022	mg/L			1	6010B
7440-39-3	Barium	0.71	1.0	0.0020	mg/L	J	B	1	6010B
7440-43-9	Cadmium	0.0065	0.10	0.0020	mg/L	J		1	6010B
7440-47-3	Chromium	0.0047	0.50	0.0030	mg/L	J		1	6010B
7439-92-1	Lead	0.14	0.50	0.013	mg/L	J		1	6010B
7782-49-2	Selenium	0.039	0.10	0.024	mg/L	J	B	1	6010B
7440-22-4	Silver	0.0058	0.50	0.0040	mg/L	J		1	6010B
7439-97-6	Mercury	ND	0.0020	0.000030	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-244

Lab Sample ID: 580-33162-14

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 17:00

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.040	0.50	0.022	mg/L	J		1	6010B
7440-39-3	Barium	0.45	1.0	0.0020	mg/L	J	B	1	6010B
7440-43-9	Cadmium	0.0058	0.10	0.0020	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.50	0.0030	mg/L			1	6010B
7439-92-1	Lead	0.037	0.50	0.013	mg/L	J		1	6010B
7782-49-2	Selenium	0.027	0.10	0.024	mg/L	J	B	1	6010B
7440-22-4	Silver	0.0046	0.50	0.0040	mg/L	J		1	6010B
7439-97-6	Mercury	ND	0.0020	0.000030	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-251

Lab Sample ID: 580-33162-15

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 15:40

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.50	0.022	mg/L			1	6010B
7440-39-3	Barium	0.59	1.0	0.0020	mg/L	J	B	1	6010B
7440-43-9	Cadmium	ND	0.10	0.0020	mg/L			1	6010B
7440-47-3	Chromium	ND	0.50	0.0030	mg/L			1	6010B
7439-92-1	Lead	0.030	0.50	0.013	mg/L	J		1	6010B
7782-49-2	Selenium	0.045	0.10	0.024	mg/L	J	B	1	6010B
7440-22-4	Silver	ND	0.50	0.0040	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.000030	mg/L			1	7470A

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

ICV Source: ICP ICVL_00072 Concentration Units: mg/L

CCV Source: ICP CCVL_00249

Analyte	ICV 280-122664/7 06/05/2012 15:05				CCV 280-122664/23 06/05/2012 19:34				CCV 280-122664/35 06/05/2012 20:04			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.250	J	0.250	100	1.02		1.00	102	1.02		1.00	102
Barium	0.251	J	0.250	100	0.500	J	0.500	100	0.500	J	0.500	100
Cadmium	0.255		0.250	102	0.499		0.500	100	0.502		0.500	100
Chromium	0.255	J	0.250	102	0.503		0.500	101	0.504		0.500	101
Lead	0.260	J	0.250	104	1.00		1.00	100	1.01		1.00	101
Selenium	0.509		0.500	102	1.02		1.00	102	1.02		1.00	102
Silver	0.254	J	0.250	102	0.504		0.500	101	0.505		0.500	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

ICV Source: ICP ICVL_00072 Concentration Units: mg/L

CCV Source: ICP CCVL_00249

Analyte	CCV 280-122664/46 06/05/2012 20:33				CCV 280-122664/57 06/05/2012 21:02							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	1.02		1.00	102	1.03		1.00	103				
Barium	0.504	J	0.500	101	0.507	J	0.500	101				
Cadmium	0.504		0.500	101	0.506		0.500	101				
Chromium	0.506		0.500	101	0.509		0.500	102				
Lead	1.01		1.00	101	1.02		1.00	102				
Selenium	1.02		1.00	102	1.02		1.00	102				
Silver	0.508		0.500	102	0.510		0.500	102				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

ICV Source: Hg H2O ICV_00371 Concentration Units: mg/L

CCV Source: Hg H2O CCV_00364

Analyte	ICV 280-122515/8 06/04/2012 13:20				CCV 280-122515/23 06/04/2012 14:16				CCV 280-122515/35 06/04/2012 14:44			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00399		0.00400	100	0.00511		0.00500	102	0.00512		0.00500	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

ICV Source: Hg H2O ICV_00371 Concentration Units: mg/L

CCV Source: Hg H2O CCV_00364

Analyte	CCV 280-122515/47 06/04/2012 15:11				CCV 280-122515/59 06/04/2012 15:39							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00513		0.00500	103	0.00467		0.00500	93				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 580-33162-1
 SDG No.: _____
 Method: 6010B Instrument ID: MT_026
 Lab Sample ID: CRI 280-122664/12 Concentration Units: mg/L
 CRQL Check Standard Source: ICP RL STD_00648

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.0100	ND		88	50-150
Barium	0.00500	0.00535	J	107	50-150
Cadmium	0.00500	0.00547	J	109	50-150
Chromium	0.0100	0.0111	J	111	50-150
Selenium	0.0100	ND		135	50-150
Silver	0.0100	0.0112	J	112	50-150

Lab Sample ID: CRI 280-122664/13 Concentration Units: mg/L
 CRQL Check Standard Source: alt Pb Se_00002

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Lead	0.00900	ND		87	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 280-122664/11 06/05/2012 15:15		CCB 280-122664/24 06/05/2012 19:37		CCB 280-122664/36 06/05/2012 20:07		CCB 280-122664/47 06/05/2012 20:35	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.50	ND		ND		ND		ND	
Barium	1.0	ND		ND		ND		ND	
Cadmium	0.10	ND		ND		ND		ND	
Chromium	0.50	ND		ND		ND		ND	
Lead	0.50	ND		ND		ND		ND	
Selenium	0.10	ND		ND		ND		ND	
Silver	0.50	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	CCB 280-122664/58 06/05/2012 21:04							
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.50	ND							
Barium	1.0	ND							
Cadmium	0.10	ND							
Chromium	0.50	ND							
Lead	0.50	ND							
Selenium	0.10	ND							
Silver	0.50	ND							

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 280-122515/9 06/04/2012 13:39		CCB 280-122515/24 06/04/2012 14:18		CCB 280-122515/36 06/04/2012 14:46		CCB 280-122515/48 06/04/2012 15:14	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.0020	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	CCB 280-122515/60 06/04/2012 15:41							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.0020	ND							

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Concentration Units: mg/L Lab Sample ID: LB 280-122230/1-C

Instrument Code: MT_026 Batch No.: 122664

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	0.00365	J		6010B
7440-43-9	Cadmium	ND			6010B
7440-47-3	Chromium	ND			6010B
7439-92-1	Lead	ND			6010B
7782-49-2	Selenium	0.0494	J		6010B
7440-22-4	Silver	ND			6010B

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Denver Job No.: 580-33162-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: LB 280-122230/1-B
Instrument Code: MT_033 Batch No.: 122515

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 580-33162-1
 SDG No.: _____
 Lab Sample ID: ICSA 280-122664/15 Instrument ID: MT_026
 Lab File ID: 26A3060512.asc ICS Source: ICP ICSA_00057
 Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		-0.0110	
Barium		0.0008	
Cadmium		0.0009	
Chromium		0.0018	
Lead		-0.0041	
Selenium		-0.0076	
Silver		0.0001	
Aluminum	500	517	103
Antimony		-0.0089	
Beryllium		0.0000	
Boron		-0.0035	
Calcium	500	478	96
Cobalt		-0.0008	
Copper		0.0061	
Iron	200	187	94
Lithium		0.0014	
Magnesium	500	516	103
Manganese		0.0024	
Molybdenum		-0.0021	
Nickel		0.0003	
Phosphorus		0.0048	
Potassium		-0.0127	
Silicon		0.0366	
Sodium		0.0793	
Strontium		0.0020	
Thallium		-0.0053	
Thorium		-0.0036	
Tin		-0.0001	
Titanium		-0.0030	
Vanadium		0.0035	
Zinc		0.0051	
Zirconium		0.0012	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG No.: _____

Lab Sample ID: ICSAB 280-122664/16

Instrument ID: MT_026

Lab File ID: 26A3060512.asc

ICS Source: ICP ICSAB_00049

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	2.00	2.03	101
Barium	0.500	0.496	99
Cadmium	1.00	1.03	103
Chromium	0.500	0.483	97
Lead	1.00	0.919	92
Selenium	5.00	5.01	100
Silver	1.00	1.11	111
<i>Aluminum</i>	<i>500</i>	<i>519</i>	<i>104</i>
<i>Antimony</i>	<i>1.00</i>	<i>0.969</i>	<i>97</i>
<i>Beryllium</i>	<i>0.500</i>	<i>0.470</i>	<i>94</i>
<i>Boron</i>	<i>2.00</i>	<i>1.93</i>	<i>97</i>
<i>Calcium</i>	<i>500</i>	<i>477</i>	<i>95</i>
<i>Cobalt</i>	<i>0.500</i>	<i>0.461</i>	<i>92</i>
<i>Copper</i>	<i>0.500</i>	<i>0.547</i>	<i>109</i>
<i>Iron</i>	<i>200</i>	<i>188</i>	<i>94</i>
<i>Lithium</i>	<i>1.00</i>	<i>1.04</i>	<i>104</i>
<i>Magnesium</i>	<i>500</i>	<i>517</i>	<i>103</i>
<i>Manganese</i>	<i>0.500</i>	<i>0.496</i>	<i>99</i>
<i>Molybdenum</i>	<i>1.00</i>	<i>0.944</i>	<i>94</i>
<i>Nickel</i>	<i>1.00</i>	<i>0.926</i>	<i>93</i>
<i>Phosphorus</i>	<i>2.00</i>	<i>1.95</i>	<i>97</i>
<i>Potassium</i>	<i>50.0</i>	<i>52.4</i>	<i>105</i>
<i>Silicon</i>	<i>10.0</i>	<i>10.5</i>	<i>105</i>
<i>Sodium</i>	<i>50.0</i>	<i>50.9</i>	<i>102</i>
<i>Strontium</i>	<i>1.00</i>	<i>0.969</i>	<i>97</i>
<i>Thallium</i>	<i>10.0</i>	<i>8.52</i>	<i>85</i>
<i>Thorium</i>	<i>2.00</i>	<i>2.02</i>	<i>101</i>
<i>Tin</i>	<i>10.0</i>	<i>9.19</i>	<i>92</i>
<i>Titanium</i>	<i>1.00</i>	<i>1.00</i>	<i>100</i>
<i>Vanadium</i>	<i>0.500</i>	<i>0.512</i>	<i>102</i>
<i>Zinc</i>	<i>1.00</i>	<i>0.979</i>	<i>98</i>
<i>Zirconium</i>	<i>1.00</i>	<i>0.954</i>	<i>95</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-174 MS

Lab ID: 580-33162-1 MS

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/L

% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.01	ND	4.00	100	80-120		6010B
Barium	11.8	0.59 J	12.0	93	80-120		6010B
Cadmium	1.09	0.0022 J	1.10	99	80-120		6010B
Chromium	4.99	ND	5.20	96	80-120		6010B
Lead	5.26	0.021 J	5.50	95	80-120		6010B
Selenium	3.05	0.025 J	3.00	101	80-120		6010B
Silver	1.03	ND	1.05	98	80-120		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-174 MSD

Lab ID: 580-33162-1 MSD

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/L

% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.15	4.00	104	80-120	3	20		6010B
Barium	12.3	12.0	98	80-120	4	20		6010B
Cadmium	1.13	1.10	102	80-120	3	20		6010B
Chromium	5.15	5.20	99	80-120	3	20		6010B
Lead	5.43	5.50	98	80-120	3	20		6010B
Selenium	3.18	3.00	105	80-120	4	20		6010B
Silver	1.07	1.05	102	80-120	4	20		6010B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
 LAB CONTROL SAMPLE
 METALS - TCLP

Lab ID: LCS 280-122230/2-C

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

Sample Matrix: Solid

LCS Source: TCLP Spike_00006

Analyte	Solid(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.03		101	80	120		6010B
Barium	12.0	11.5		95	80	120		6010B
Cadmium	1.10	1.10		100	80	120		6010B
Chromium	5.20	5.03		97	80	120		6010B
Lead	5.50	5.30		96	80	120		6010B
Selenium	3.00	3.05		102	80	120		6010B
Silver	1.05	1.04		99	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
 LAB CONTROL SAMPLE
 METALS - TCLP

Lab ID: LCS 280-122230/2-B

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

Sample Matrix: Solid

LCS Source: Hg Daily Spk_00562

Analyte	Solid(mg/L)						
	True	Found	C	%R	Limits	Q	Method
Mercury	0.00500	0.00486		97	90	116	7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS - TCLP

Lab ID: 580-33162-1

SDG No:

Lab Name: TestAmerica Denver

Job No: 580-33162-1

Matrix: Solid

Concentration Units: mg/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	Method
		C		C			
Arsenic	ND		ND		NC		6010B
Barium	0.59	J	0.604	J	1.6		6010B
Cadmium	0.0022	J	ND		NC		6010B
Chromium	ND		ND		NC		6010B
Lead	0.021	J	ND		NC		6010B
Selenium	0.025	J	0.220	J	NC		6010B
Silver	ND		ND		NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Denver Job Number: 580-33162-1
SDG Number: _____
Matrix: Solid Instrument ID: MT_026
Method: 6010B MDL Date: 03/09/2011 13:58
Prep Method: 3010A
Leach Method: 1311

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Arsenic	189	0.5	0.022
Barium	455.4	1	0.002
Cadmium	228.8	0.1	0.002
Chromium	205.5	0.5	0.003
Lead	220.3	0.5	0.013
Selenium	196	0.1	0.024
Silver	328	0.5	0.004

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Denver Job Number: 580-33162-1
SDG Number: _____
Matrix: Solid Instrument ID: MT_026
Method: 6010B XMDL Date: 03/09/2011 13:59

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Arsenic		0.5	0.022
Barium		1	0.0025
Cadmium		0.1	0.002
Chromium		0.5	0.003
Lead		0.5	0.013
Selenium		0.1	0.024
Silver		0.5	0.004

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Denver Job Number: 580-33162-1
SDG Number: _____
Matrix: Solid Instrument ID: MT_033
Method: 7470A MDL Date: 11/05/2010 15:54
Prep Method: 7470A
Leach Method: 1311

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Mercury	253.7	0.002	0.00003

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Denver Job Number: 580-33162-1
SDG Number: _____
Matrix: Solid Instrument ID: MT_033
Method: 7470A XMDL Date: 11/30/2010 11:27

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Mercury		0.002	0.00003

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver

Job Number: 580-33162-1

SDG No.: _____

ICP-AES Instrument ID: MT_026

Date: 01/27/2012

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Aluminum	167.079													0.001910	
Aluminum	309.271														
Antimony	206.833		-0.000008						-0.000008			0.006305		0.000016	
Arsenic	189.042		0.000004									-0.002115			
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061										-0.002850			-0.000021	
Boron	208.959														
Cadmium	228.802			0.001927							0.000016				
Calcium	317.933														
Chromium	205.552						-0.002780								
Cobalt	228.616					-0.000228									
Copper	324.754														
Iron	259.940														
Iron	271.441										0.109000				
Lead	220.353		-0.000047										0.000046	0.000022	
Lithium	670.784								0.000011						
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090		0.000030						-0.000009					0.000004	
Silicon	288.158											0.000027			
Silver	328.068														
Sodium	589.592														
Sodium	818.326														
Strontium	407.771								0.000010						
Thallium	190.856										0.004470	0.000241			

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 580-33162-1

SDG No.: _____

ICP-AES Instrument ID: MT_026 Date: 01/27/2012

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Thorium	283.730	0.000012								-0.000171		-0.000233		0.000695	
Tin	189.989														
Titanium	334.904											0.000169			
Uranium	370.152				0.001355							-0.002090		-0.000217	
Vanadium	292.402											-0.006149			
Zinc	206.200											-0.000639			
Zirconium	339.198													-0.000036	

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 580-33162-1

SDG No.: _____

ICP-AES Instrument ID: MT_026 Date: 01/27/2012

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Si	SiO2	Sn	Sr
Aluminum	309.271		0.003939												
Aluminum	167.079														
Antimony	206.833				-0.002164										
Arsenic	189.042				-0.000564										
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061														
Boron	208.959				0.043450										
Cadmium	228.802														
Calcium	317.933														
Chromium	205.552				0.000100		0.000046								
Cobalt	228.616				-0.000461		0.000049								
Copper	324.754														
Iron	259.940														
Iron	271.441														
Lead	220.353		0.000001		-0.001630		0.000200				0.000013	0.000561			
Lithium	670.784		0.000008												
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090			0.000468											
Silicon	288.158				-0.005890									0.001650	
Silver	328.068				-0.000308										
Sodium	818.326														
Sodium	589.592														
Strontium	407.771														
Thallium	190.856			0.000720	-0.000286										

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 580-33162-1

SDG No.: _____

ICP-AES Instrument ID: MT_026 Date: 01/27/2012

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Si	SiO2	Sn	Sr
Thorium	283.730		-0.000002		0.000415		0.000139								
Tin	189.989														
Titanium	334.904		0.000009		0.000462										
Uranium	370.152				0.001220										
Vanadium	292.402			-0.000305											
Zinc	206.200														
Zirconium	339.198				0.000494							0.000018			

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 580-33162-1

SDG No.: _____

ICP-AES Instrument ID: MT_026 Date: 01/27/2012

Analyte	Wave Length	Th	Ti	Tl	U	V	Zn	Zr							
Aluminum	167.079														
Aluminum	309.271														
Antimony	206.833				-0.001080			-0.001150							
Arsenic	189.042														
Barium	455.403							0.001353							
Beryllium	313.042		-0.000233												
Bismuth	223.061	0.000544	-0.009276		-0.006227										
Boron	208.959														
Cadmium	228.802														
Calcium	317.933	-0.001874													
Chromium	205.552				0.000035										
Cobalt	228.616		0.001858												
Copper	324.754	0.001946	-0.000535					-0.002353							
Iron	259.940														
Iron	271.441					-0.456000		-0.128890							
Lead	220.353		-0.000765		0.000568										
Lithium	670.784														
Magnesium	279.079	-0.028160			-0.010626										
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090	-0.000475			-0.001609										
Silicon	288.158														
Silver	328.068	-0.001149			0.001560			0.002740							
Sodium	589.592														
Sodium	818.326														
Strontium	407.771														
Thallium	190.856		-0.000928		-0.000656	-0.008483									

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 580-33162-1

SDG No.: _____

ICP-AES Instrument ID: MT_026 Date: 01/27/2012

Analyte	Wave Length	Th	Ti	Tl	U	V	Zn	Zr							
Thorium	283.730				0.022130			0.022520							
Tin	189.989		-0.000896												
Titanium	334.904	0.003087			-0.000660										
Uranium	370.152	-0.004100	0.006150												
Vanadium	292.402	0.001332	0.000957		-0.000553										
Zinc	206.200														
Zirconium	339.198	0.043998													

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Denver

Job No: 580-33162-1

SDG No.: _____

Instrument ID: MT_026

Date: 04/13/2012 13:57

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Arsenic		50	6010B
Barium		50	6010B
Cadmium		25	6010B
Chromium		50	6010B
Lead		200	6010B
Selenium		50	6010B
Silver		2.5	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LB 280-122230/1-C	06/05/2012 07:00	122374		10	50
LCS 280-122230/2-C	06/05/2012 07:00	122374		10	50
580-33162-1	06/05/2012 07:00	122374		10	50
580-33162-1 MS	06/05/2012 07:00	122374		10	50
580-33162-1 MSD	06/05/2012 07:00	122374		10	50
580-33162-2	06/05/2012 07:00	122374		10	50
580-33162-3	06/05/2012 07:00	122374		10	50
580-33162-4	06/05/2012 07:00	122374		10	50
580-33162-5	06/05/2012 07:00	122374		10	50
580-33162-6	06/05/2012 07:00	122374		10	50
580-33162-7	06/05/2012 07:00	122374		10	50
580-33162-8	06/05/2012 07:00	122374		10	50
580-33162-9	06/05/2012 07:00	122374		10	50
580-33162-10	06/05/2012 07:00	122374		10	50
580-33162-11	06/05/2012 07:00	122374		10	50
580-33162-12	06/05/2012 07:00	122374		10	50
580-33162-13	06/05/2012 07:00	122374		10	50
580-33162-14	06/05/2012 07:00	122374		10	50
580-33162-15	06/05/2012 07:00	122374		10	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LB 280-122230/1-B	06/04/2012 10:35	122306		30	30
LCS 280-122230/2-B	06/04/2012 10:35	122306		30	30
580-33162-1	06/04/2012 10:35	122306		30	30
580-33162-2	06/04/2012 10:35	122306		30	30
580-33162-3	06/04/2012 10:35	122306		30	30
580-33162-4	06/04/2012 10:35	122306		30	30
580-33162-5	06/04/2012 10:35	122306		30	30
580-33162-6	06/04/2012 10:35	122306		30	30
580-33162-7	06/04/2012 10:35	122306		30	30
580-33162-8	06/04/2012 10:35	122306		30	30
580-33162-9	06/04/2012 10:35	122306		30	30
580-33162-10	06/04/2012 10:35	122306		30	30
580-33162-11	06/04/2012 10:35	122306		30	30
580-33162-12	06/04/2012 10:35	122306		30	30
580-33162-13	06/04/2012 10:35	122306		30	30
580-33162-14	06/04/2012 10:35	122306		30	30
580-33162-15	06/04/2012 10:35	122306		30	30

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Instrument ID: MT_026 Method: 6010B

Start Date: 06/05/2012 14:49 End Date: 06/06/2012 00:08

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ICIS 280-122664/1	1		14:49	X	X	X	X	X	X	X									
IC 280-122664/2			14:51	X	X	X	X	X	X	X									
IC 280-122664/3			14:54	X	X	X	X	X	X	X									
ZZZZZZ			14:56																
ZZZZZZ			14:59																
ICVH 280-122664/6	1		15:02	X	X	X	X	X	X	X									
ICV 280-122664/7	1		15:05	X	X	X	X	X	X	X									
ZZZZZZ			15:07																
CCVH 280-122664/9			15:10																
CCV 280-122664/10			15:12																
ICB 280-122664/11	1		15:15	X	X	X	X	X	X	X									
CRI 280-122664/12	1		15:17	X	X	X	X	X		X									
CRI 280-122664/13	1		15:23							X									
ZZZZZZ			15:27																
ICSA 280-122664/15	1		15:32	X	X	X	X	X	X	X									
ICSAB 280-122664/16	1		15:36	X	X	X	X	X	X	X									
LRA 280-122664/17			15:39																
CCVH 280-122664/18			15:42																
CCV 280-122664/19			15:44																
CCB 280-122664/20			15:47																
ZZZZZZ			15:49																
CCVH 280-122664/22	1		19:32	X	X	X	X	X	X	X									
CCV 280-122664/23	1		19:34	X	X	X	X	X	X	X									
CCB 280-122664/24	1		19:37	X	X	X	X	X	X	X									
ZZZZZZ			19:39																
LB 280-122230/1-C	1	P	19:42	X	X	X	X	X	X	X									
LCS 280-122230/2-C	1	P	19:44	X	X	X	X	X	X	X									
580-33162-1	1	P	19:47	X	X	X	X	X	X	X									
580-33162-1 SD	5	P	19:49	X	X	X	X	X	X	X									
580-33162-1 MS	1	P	19:52	X	X	X	X	X	X	X									
580-33162-1 MSD	1	P	19:54	X	X	X	X	X	X	X									
580-33162-2	1	P	19:57	X	X	X	X	X	X	X									
580-33162-3	1	P	19:59	X	X	X	X	X	X	X									
CCVH 280-122664/34	1		20:02	X	X	X	X	X	X	X									
CCV 280-122664/35	1		20:04	X	X	X	X	X	X	X									
CCB 280-122664/36	1		20:07	X	X	X	X	X	X	X									
ZZZZZZ			20:09																
580-33162-4	1	P	20:12	X	X	X	X	X	X	X									
580-33162-5	1	P	20:15	X	X	X	X	X	X	X									
580-33162-6	1	P	20:17	X	X	X	X	X	X	X									
580-33162-7	1	P	20:20	X	X	X	X	X	X	X									
580-33162-8	1	P	20:22	X	X	X	X	X	X	X									

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Instrument ID: MT_026 Method: 6010B

Start Date: 06/05/2012 14:49 End Date: 06/06/2012 00:08

Lab Sample ID	D / F	Type	Time	Analytes																
				A g	A s	B a	C d	C r	P b	S e										
580-33162-9	1	P	20:25	X	X	X	X	X	X	X										
580-33162-10	1	P	20:27	X	X	X	X	X	X	X										
CCVH 280-122664/45	1		20:30	X	X	X	X	X	X	X										
CCV 280-122664/46	1		20:33	X	X	X	X	X	X	X										
CCB 280-122664/47	1		20:35	X	X	X	X	X	X	X										
ZZZZZZ			20:37																	
580-33162-11	1	P	20:40	X	X	X	X	X	X	X										
580-33162-12	1	P	20:43	X	X	X	X	X	X	X										
580-33162-13	1	P	20:45	X	X	X	X	X	X	X										
580-33162-14	1	P	20:48	X	X	X	X	X	X	X										
580-33162-15	1	P	20:50	X	X	X	X	X	X	X										
ZZZZZZ			20:53																	
ZZZZZZ			20:56																	
CCVH 280-122664/56	1		20:59	X	X	X	X	X	X	X										
CCV 280-122664/57	1		21:02	X	X	X	X	X	X	X										
CCB 280-122664/58	1		21:04	X	X	X	X	X	X	X										
ZZZZZZ			21:07																	
ZZZZZZ			21:16																	
ZZZZZZ			21:18																	
ZZZZZZ			21:21																	
ZZZZZZ			21:24																	
ZZZZZZ			21:27																	
ZZZZZZ			21:31																	
ZZZZZZ			21:34																	
ZZZZZZ			21:37																	
ZZZZZZ			21:40																	
ZZZZZZ			21:43																	
CCVH 280-122664/70			21:47																	
CCV 280-122664/71			21:49																	
CCB 280-122664/72			21:52																	
ZZZZZZ			21:54																	
ZZZZZZ			21:57																	
ZZZZZZ			22:00																	
ZZZZZZ			22:03																	
ZZZZZZ			22:06																	
ZZZZZZ			22:09																	
ZZZZZZ			22:12																	
ZZZZZZ			22:16																	
ZZZZZZ			22:19																	
ZZZZZZ			22:22																	
CCVH 280-122664/83			22:25																	
CCV 280-122664/84			22:28																	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Instrument ID: MT_026 Method: 6010B

Start Date: 06/05/2012 14:49 End Date: 06/06/2012 00:08

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
CCB 280-122664/85			22:30																
ZZZZZZ			22:33																
ZZZZZZ			22:35																
ZZZZZZ			22:38																
ZZZZZZ			22:40																
ZZZZZZ			22:43																
ZZZZZZ			22:45																
ZZZZZZ			22:48																
ZZZZZZ			22:51																
ZZZZZZ			22:54																
ZZZZZZ			22:56																
CCVH 280-122664/96			22:59																
CCV 280-122664/97			23:01																
CCB 280-122664/98			23:03																
ZZZZZZ			23:06																
ZZZZZZ			23:09																
ZZZZZZ			23:11																
ZZZZZZ			23:14																
ZZZZZZ			23:16																
ZZZZZZ			23:19																
ZZZZZZ			23:23																
ZZZZZZ			23:25																
ZZZZZZ			23:28																
CCVH 280-122664/108			23:30																
CCV 280-122664/109			23:33																
CCB 280-122664/110			23:35																
ZZZZZZ			23:38																
ZZZZZZ			23:40																
ZZZZZZ			23:43																
ZZZZZZ			23:45																
ZZZZZZ			23:48																
ZZZZZZ			23:50																
ZZZZZZ			23:53																
ZZZZZZ			23:55																
ZZZZZZ			23:58																
CCVH 280-122664/120			00:00																
CCV 280-122664/121			00:03																
CCB 280-122664/122			00:05																
ZZZZZZ			00:08																

Prep Types

P = TCLP

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Instrument ID: MT_033 Method: 7470A

Start Date: 06/04/2012 13:02 End Date: 06/04/2012 17:00

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
STD0 280-122515/1 IC			13:02	X															
STD1 280-122515/2 IC			13:05	X															
STD2 280-122515/3 IC			13:07	X															
STD3 280-122515/4 IC			13:09	X															
STD4 280-122515/5 IC			13:12	X															
STD5 280-122515/6 IC			13:14	X															
STD6 280-122515/7 IC			13:16	X															
ICV 280-122515/8	1		13:20	X															
ICB 280-122515/9	1		13:39	X															
CRA 280-122515/10			13:42																
CCV 280-122515/11			13:44																
CCB 280-122515/12			13:46																
ZZZZZZ			13:49																
ZZZZZZ			13:51																
ZZZZZZ			13:56																
ZZZZZZ			13:58																
ZZZZZZ			14:00																
ZZZZZZ			14:02																
ZZZZZZ			14:05																
ZZZZZZ			14:07																
ZZZZZZ			14:11																
ZZZZZZ			14:14																
CCV 280-122515/23	1		14:16	X															
CCB 280-122515/24	1		14:18	X															
ZZZZZZ			14:21																
ZZZZZZ			14:23																
ZZZZZZ			14:25																
ZZZZZZ			14:27																
ZZZZZZ			14:30																
ZZZZZZ			14:32																
ZZZZZZ			14:34																
ZZZZZZ			14:37																
ZZZZZZ			14:39																
LB 280-122230/1-B	1	P	14:41	X															
CCV 280-122515/35	1		14:44	X															
CCB 280-122515/36	1		14:46	X															
LCS 280-122230/2-B	1	P	14:48	X															
580-33162-1	1	P	14:50	X															
580-33162-2	1	P	14:53	X															
580-33162-3	1	P	14:55	X															
580-33162-4	1	P	14:57	X															
580-33162-5	1	P	15:00	X															

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Instrument ID: MT_033 Method: 7470A

Start Date: 06/04/2012 13:02 End Date: 06/04/2012 17:00

Lab Sample ID	D / F	Type	Time	Analytes																
				H g																
580-33162-6	1	P	15:02	X																
580-33162-7	1	P	15:04	X																
580-33162-8	1	P	15:07	X																
580-33162-9	1	P	15:09	X																
CCV 280-122515/47	1		15:11	X																
CCB 280-122515/48	1		15:14	X																
580-33162-10	1	P	15:16	X																
580-33162-11	1	P	15:18	X																
580-33162-12	1	P	15:20	X																
580-33162-13	1	P	15:23	X																
580-33162-14	1	P	15:25	X																
580-33162-15	1	P	15:27	X																
ZZZZZZ			15:30																	
ZZZZZZ			15:32																	
ZZZZZZ			15:34																	
ZZZZZZ			15:37																	
CCV 280-122515/59	1		15:39	X																
CCB 280-122515/60	1		15:41	X																
ZZZZZZ			15:43																	
ZZZZZZ			15:46																	
ZZZZZZ			15:48																	
ZZZZZZ			15:50																	
ZZZZZZ			15:53																	
ZZZZZZ			15:55																	
ZZZZZZ			15:57																	
ZZZZZZ			16:00																	
ZZZZZZ			16:02																	
ZZZZZZ			16:04																	
CCV 280-122515/71			16:07																	
CCB 280-122515/72			16:09																	
ZZZZZZ			16:11																	
ZZZZZZ			16:13																	
ZZZZZZ			16:16																	
ZZZZZZ			16:18																	
ZZZZZZ			16:20																	
ZZZZZZ			16:23																	
ZZZZZZ			16:25																	
ZZZZZZ			16:27																	
ZZZZZZ			16:30																	
ZZZZZZ			16:32																	
CCV 280-122515/83			16:34																	
CCB 280-122515/84			16:37																	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Instrument ID: MT_033 Method: 7470A

Start Date: 06/04/2012 13:02 End Date: 06/04/2012 17:00

Lab Sample ID	D / F	Type	Time	Analytes															
				Hg															
ZZZZZZ			16:39																
ZZZZZZ			16:41																
ZZZZZZ			16:44																
ZZZZZZ			16:46																
ZZZZZZ			16:48																
ZZZZZZ			16:50																
ZZZZZZ			16:53																
ZZZZZZ			16:55																
CCV 280-122515/93			16:57																
CCB 280-122515/94			17:00																

Prep Types

P = TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Batch Number: 122230 Batch Start Date: 06/01/12 21:30 Batch Analyst: Smiley, Kristy

Batch Method: 1311 Batch End Date: 06/02/12 14:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	ExtractFluid					
LB 280-122230/1		1311, 3010A, 6010B		T1					
LCS 280-122230/2		1311, 3010A, 6010B		T1					
580-33162-A-1	TCLP-174	1311, 3010A, 6010B	P	T1					
580-33162-A-2	TCLP-179	1311, 3010A, 6010B	P	T1					
580-33162-A-3	TCLP-207	1311, 3010A, 6010B	P	T1					
580-33162-A-4	TCLP-213	1311, 3010A, 6010B	P	T1					
580-33162-A-5	TCLP-214	1311, 3010A, 6010B	P	T1					
580-33162-A-6	TCLP-225	1311, 3010A, 6010B	P	T1					
580-33162-A-7	TCLP-226	1311, 3010A, 6010B	P	T1					
580-33162-A-8	TCLP-227	1311, 3010A, 6010B	P	T1					
580-33162-A-9	TCLP-229	1311, 3010A, 6010B	P	T1					
580-33162-A-10	TCLP-237	1311, 3010A, 6010B	P	T1					
580-33162-A-11	TCLP-238	1311, 3010A, 6010B	P	T1					
580-33162-A-12	TCLP-241	1311, 3010A, 6010B	P	T1					
580-33162-A-13	TCLP-243	1311, 3010A, 6010B	P	T1					
580-33162-A-14	TCLP-244	1311, 3010A, 6010B	P	T1					
580-33162-A-15	TCLP-251	1311, 3010A, 6010B	P	T1					

Batch Notes	
First End time	6/2/12 1330
First Start time	06/01/12 21:30

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Batch Number: 122374 Batch Start Date: 06/05/12 07:00 Batch Analyst: Ivey, Crystal L

Batch Method: 3010A Batch End Date: 06/05/12 12:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ICP SPK 2A 00044	ICP SPK 3A 00046	TCLP Spike 00006
LB 280-122230/1-A		3010A, 6010B		<2 SU	10 mL	50 mL			
LCS 280-122230/2-A		3010A, 6010B		<2 SU	10 mL	50 mL	0.1 mL	0.1 mL	0.1 mL
580-33162-A-1-A	TCLP-174	3010A, 6010B	P	<2 SU	10 mL	50 mL			
580-33162-A-1-A MS	TCLP-174	3010A, 6010B	P	<2 SU	10 mL	50 mL	0.1 mL	0.1 mL	0.1 mL
580-33162-A-1-A MSD	TCLP-174	3010A, 6010B	P	<2 SU	10 mL	50 mL	0.1 mL	0.1 mL	0.1 mL
580-33162-A-2-A	TCLP-179	3010A, 6010B	P	<2 SU	10 mL	50 mL			
580-33162-A-3-A	TCLP-207	3010A, 6010B	P	<2 SU	10 mL	50 mL			
580-33162-A-4-A	TCLP-213	3010A, 6010B	P	<2 SU	10 mL	50 mL			
580-33162-A-5-A	TCLP-214	3010A, 6010B	P	<2 SU	10 mL	50 mL			
580-33162-A-6-A	TCLP-225	3010A, 6010B	P	<2 SU	10 mL	50 mL			
580-33162-A-7-A	TCLP-226	3010A, 6010B	P	<2 SU	10 mL	50 mL			
580-33162-A-8-A	TCLP-227	3010A, 6010B	P	<2 SU	10 mL	50 mL			
580-33162-A-9-A	TCLP-229	3010A, 6010B	P	<2 SU	10 mL	50 mL			
580-33162-A-10-A	TCLP-237	3010A, 6010B	P	<2 SU	10 mL	50 mL			
580-33162-A-11-A	TCLP-238	3010A, 6010B	P	<2 SU	10 mL	50 mL			
580-33162-A-12-A	TCLP-241	3010A, 6010B	P	<2 SU	10 mL	50 mL			
580-33162-A-13-A	TCLP-243	3010A, 6010B	P	<2 SU	10 mL	50 mL			
580-33162-A-14-A	TCLP-244	3010A, 6010B	P	<2 SU	10 mL	50 mL			
580-33162-A-15-A	TCLP-251	3010A, 6010B	P	<2 SU	10 mL	50 mL			

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Batch Number: 122374 Batch Start Date: 06/05/12 07:00 Batch Analyst: Ivey, Crystal L

Batch Method: 3010A Batch End Date: 06/05/12 12:00

Batch Notes	
Batch Comment	-
First End time	1200
Filter Paper Lot Number	-
Lot # of hydrochloric acid	K042034-5/29
Lot # of Nitric Acid	KL08023-5/31
Hot Block ID number	10
Oven, Bath or Block Temperature 1	92/B-6 Degrees C
Oven, Bath or Block Temperature 2	93 Degrees C
Pipette ID	MET-007
First Start time	0700
ID number of the thermometer	MP8
Digestion Tube/Cup Lot #	1202052
Uncorrected Temperature	92 Celsius
Uncorrected Temperature 2	93 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Batch Number: 122230 Batch Start Date: 06/01/12 21:30 Batch Analyst: Smiley, Kristy

Batch Method: 1311 Batch End Date: 06/02/12 14:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	ExtractFluid					
LB 280-122230/1		1311, 7470A, 7470A		T1					
LCS 280-122230/2		1311, 7470A, 7470A		T1					
580-33162-A-1	TCLP-174	1311, 7470A, 7470A	P	T1					
580-33162-A-2	TCLP-179	1311, 7470A, 7470A	P	T1					
580-33162-A-3	TCLP-207	1311, 7470A, 7470A	P	T1					
580-33162-A-4	TCLP-213	1311, 7470A, 7470A	P	T1					
580-33162-A-5	TCLP-214	1311, 7470A, 7470A	P	T1					
580-33162-A-6	TCLP-225	1311, 7470A, 7470A	P	T1					
580-33162-A-7	TCLP-226	1311, 7470A, 7470A	P	T1					
580-33162-A-8	TCLP-227	1311, 7470A, 7470A	P	T1					
580-33162-A-9	TCLP-229	1311, 7470A, 7470A	P	T1					
580-33162-A-10	TCLP-237	1311, 7470A, 7470A	P	T1					
580-33162-A-11	TCLP-238	1311, 7470A, 7470A	P	T1					
580-33162-A-12	TCLP-241	1311, 7470A, 7470A	P	T1					
580-33162-A-13	TCLP-243	1311, 7470A, 7470A	P	T1					
580-33162-A-14	TCLP-244	1311, 7470A, 7470A	P	T1					
580-33162-A-15	TCLP-251	1311, 7470A, 7470A	P	T1					

Batch Notes	
First End time	6/2/12 1330
First Start time	06/01/12 21:30

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Batch Number: 122306 Batch Start Date: 06/04/12 10:35 Batch Analyst: Ivey, Crystal L

Batch Method: 7470A Batch End Date: 06/04/12 12:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	Hg Daily Spk 00562		
LB 280-122230/1-A		7470A, 7470A		<2	30 mL	30 mL			
LCS 280-122230/2-A		7470A, 7470A		<2	30 mL	30 mL	1.5 mL		
580-33162-A-1-A	TCLP-174	7470A, 7470A	P	<2	30 mL	30 mL			
580-33162-A-2-A	TCLP-179	7470A, 7470A	P	<2	30 mL	30 mL			
580-33162-A-3-A	TCLP-207	7470A, 7470A	P	<2	30 mL	30 mL			
580-33162-A-4-A	TCLP-213	7470A, 7470A	P	<2	30 mL	30 mL			
580-33162-A-5-A	TCLP-214	7470A, 7470A	P	<2	30 mL	30 mL			
580-33162-A-6-A	TCLP-225	7470A, 7470A	P	<2	30 mL	30 mL			
580-33162-A-7-A	TCLP-226	7470A, 7470A	P	<2	30 mL	30 mL			
580-33162-A-8-A	TCLP-227	7470A, 7470A	P	<2	30 mL	30 mL			
580-33162-A-9-A	TCLP-229	7470A, 7470A	P	<2	30 mL	30 mL			
580-33162-A-10-A	TCLP-237	7470A, 7470A	P	<2	30 mL	30 mL			
580-33162-A-11-A	TCLP-238	7470A, 7470A	P	<2	30 mL	30 mL			
580-33162-A-12-A	TCLP-241	7470A, 7470A	P	<2	30 mL	30 mL			
580-33162-A-13-A	TCLP-243	7470A, 7470A	P	<2	30 mL	30 mL			
580-33162-A-14-A	TCLP-244	7470A, 7470A	P	<2	30 mL	30 mL			
580-33162-A-15-A	TCLP-251	7470A, 7470A	P	<2	30 mL	30 mL			

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Batch Number: 122306 Batch Start Date: 06/04/12 10:35 Batch Analyst: Ivey, Crystal L

Batch Method: 7470A Batch End Date: 06/04/12 12:35

Batch Notes	
Hydroxylamine Hydrochloride Lot	2AK0859-5/24/12
Batch Comment	-
Sulfuric Acid Lot Number	K20042-5/17/12
Lot # of hydrochloric acid	K47035-5/15/12
Lot # of Nitric Acid	L02030-5/15/12
Hood ID or number	HOOD4
Hot Block ID number	14
Potassium Persulfate Lot Number	113845-5/14/12
Potassium Permanganate Lot Number	K48069-5/24/12
NaCL Lot #	G47617-5/8/12
Oven, Bath or Block Temperature 1	95 Celsius
Oven, Bath or Block Temperature 2	95
Pipette ID	MET53
Stannous Chloride Lot Number	K40583-5/21/12
SOP Number	DVMT0017
Temperature	95/A-1 Celsius
ID number of the thermometer	HG-3
Digestion Tube/Cup Lot #	1111173
Uncorrected Temperature	95 Celsius
Visual ck - digestate F.V. consistency	YES-F.V.CK

Basis	Basis Description
P	TCLP

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 580-33162-1

SDG No.: _____

Project: Everett Smelter Uplands

Client Sample ID	Lab Sample ID
<u>TCLP-174</u>	<u>580-33162-1</u>
<u>TCLP-179</u>	<u>580-33162-2</u>
<u>TCLP-207</u>	<u>580-33162-3</u>
<u>TCLP-213</u>	<u>580-33162-4</u>
<u>TCLP-214</u>	<u>580-33162-5</u>
<u>TCLP-225</u>	<u>580-33162-6</u>
<u>TCLP-226</u>	<u>580-33162-7</u>
<u>TCLP-227</u>	<u>580-33162-8</u>
<u>TCLP-229</u>	<u>580-33162-9</u>
<u>TCLP-237</u>	<u>580-33162-10</u>
<u>TCLP-238</u>	<u>580-33162-11</u>
<u>TCLP-241</u>	<u>580-33162-12</u>
<u>TCLP-243</u>	<u>580-33162-13</u>
<u>TCLP-244</u>	<u>580-33162-14</u>
<u>TCLP-251</u>	<u>580-33162-15</u>

Comments:

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: TCLP-174

Lab Sample ID: 580-33162-1

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 13:45

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH adj. to 25 deg C	5.55	0.0100	0.0100	SU			1	9045C
	Temperature	23.2	0.100	0.100	Degrees C			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: TCLP-179

Lab Sample ID: 580-33162-2

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 13:20

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH adj. to 25 deg C	5.91	0.0100	0.0100	SU			1	9045C
	Temperature	23.1	0.100	0.100	Degrees C			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: TCLP-207

Lab Sample ID: 580-33162-3

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 13:00

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH adj. to 25 deg C	5.59	0.0100	0.0100	SU			1	9045C
	Temperature	23.2	0.100	0.100	Degrees C			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: TCLP-213

Lab Sample ID: 580-33162-4

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 12:30

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH adj. to 25 deg C	5.75	0.0100	0.0100	SU			1	9045C
	Temperature	23.0	0.100	0.100	Degrees C			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: TCLP-214

Lab Sample ID: 580-33162-5

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 15:15

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH adj. to 25 deg C	6.01	0.0100	0.0100	SU			1	9045C
	Temperature	23.2	0.100	0.100	Degrees C			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: TCLP-225

Lab Sample ID: 580-33162-6

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 15:00

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH adj. to 25 deg C	5.93	0.0100	0.0100	SU			1	9045C
	Temperature	23.2	0.100	0.100	Degrees C			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: TCLP-226

Lab Sample ID: 580-33162-7

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 14:30

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH adj. to 25 deg C	5.75	0.0100	0.0100	SU			1	9045C
	Temperature	23.1	0.100	0.100	Degrees C			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: TCLP-227

Lab Sample ID: 580-33162-8

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 14:00

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH adj. to 25 deg C	6.50	0.0100	0.0100	SU			1	9045C
	Temperature	23.2	0.100	0.100	Degrees C			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: TCLP-229

Lab Sample ID: 580-33162-9

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 16:40

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH adj. to 25 deg C	6.27	0.0100	0.0100	SU			1	9045C
	Temperature	23.2	0.100	0.100	Degrees C			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: TCLP-237

Lab Sample ID: 580-33162-10

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 16:10

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH adj. to 25 deg C	6.12	0.0100	0.0100	SU			1	9045C
	Temperature	23.2	0.100	0.100	Degrees C			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: TCLP-238

Lab Sample ID: 580-33162-11

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 16:00

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH adj. to 25 deg C	6.68	0.0100	0.0100	SU			1	9045C
	Temperature	23.3	0.100	0.100	Degrees C			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: TCLP-241

Lab Sample ID: 580-33162-12

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 17:35

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH adj. to 25 deg C	5.82	0.0100	0.0100	SU			1	9045C
	Temperature	23.2	0.100	0.100	Degrees C			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: TCLP-243

Lab Sample ID: 580-33162-13

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 17:20

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH adj. to 25 deg C	8.29	0.0100	0.0100	SU			1	9045C
	Temperature	23.3	0.100	0.100	Degrees C			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: TCLP-244

Lab Sample ID: 580-33162-14

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 17:00

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH adj. to 25 deg C	6.07	0.0100	0.0100	SU			1	9045C
	Temperature	23.1	0.100	0.100	Degrees C			1	9045C

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: TCLP-251

Lab Sample ID: 580-33162-15

Lab Name: TestAmerica Denver

Job No.: 580-33162-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/29/2012 15:40

Reporting Basis: WET

Date Received: 05/30/2012 14:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH adj. to 25 deg C	6.52	0.0100	0.0100	SU			1	9045C
	Temperature	23.2	0.100	0.100	Degrees C			1	9045C

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 580-33162-1
SDG No.: _____
Analyst: MW Batch Start Date: 06/07/2012
Reporting Units: Degrees C Analytical Batch No.: 123063

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	18:38	Temperature	23.00					
14	CCV	19:14	Temperature	22.90					
23	CCV	19:51	Temperature	22.70					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2-IN
 CALIBRATION QUALITY CONTROL
 GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 580-33162-1
 SDG No.: _____
 Analyst: MW Batch Start Date: 06/07/2012
 Reporting Units: SU Analytical Batch No.: 123063

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	18:38	pH adj. to 25 deg C	6.990	7.00	100	97-102		pH 7.0 ICV_00040
14	CCV	19:14	pH adj. to 25 deg C	6.990	7.00	100	97-102		pH 7.0 Buffer 00081
23	CCV	19:51	pH adj. to 25 deg C	7.010	7.00	100	97-102		pH 7.0 Buffer 00081

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATE
 GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 123063		Date: 06/07/2012 18:53						
9045C	TCLP-174	580-33162-1	pH adj. to 25 deg C	5.55	SU			
9045C	TCLP-174	580-33162-1 DU	pH adj. to 25 deg C	5.560	SU	0.2	5	
9045C	TCLP-174	580-33162-1	Temperature	23.2	Degree s C			
9045C	TCLP-174	580-33162-1 DU	Temperature	23.20	Degree s C	0	5	

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
 LAB CONTROL SAMPLE
 GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 123063		Date: 06/07/2012 18:44									
						LCS Source: pH 7.0 Buffer_00081					
9045C	LCS 280-123063/4	pH adj. to 25 deg C	6.990		SU	7.00	100	97-103	0	5	

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
 LAB CONTROL SAMPLE DUPLICATE
 GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 123063		Date: 06/07/2012 18:46									
						LCSD Source: pH 7.0 Buffer_00081					
9045C	LCSD 280-123063/5	pH adj. to 25 deg C	7.000		SU	7.00	100	97-103	0	5	

Calculations are performed before rounding to avoid round-off errors in calculated results.

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY - SOLUBLE

Lab Name: TestAmerica Denver Job Number: 580-33162-1
SDG Number: _____
Matrix: Solid Instrument ID: WC_Orion 3 Star
Method: 9045C RL Date: 11/01/2009 00:00
Leach Method: DI Leach

Analyte	Wavelength/ Mass	RL (Degrees	
Temperature		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY - SOLUBLE

Lab Name: TestAmerica Denver Job Number: 580-33162-1
SDG Number: _____
Matrix: Solid Instrument ID: WC_Orion 3 Star
Method: 9045C XRL Date: 12/07/2009 19:08

Analyte	Wavelength/ Mass	XRL (Degrees	
Temperature		1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY - SOLUBLE

Lab Name: TestAmerica Denver Job Number: 580-33162-1
SDG Number: _____
Matrix: Solid Instrument ID: WC_Orion 3 Star
Method: 9045C RL Date: 11/01/2009 00:00
Leach Method: DI Leach

Analyte	Wavelength/ Mass	RL (SU)	
pH adj. to 25 deg C		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY - SOLUBLE

Lab Name: TestAmerica Denver Job Number: 580-33162-1
SDG Number: _____
Matrix: Solid Instrument ID: WC_Orion 3 Star
Method: 9045C XRL Date: 12/07/2009 19:08

Analyte	Wavelength/ Mass	XRL (SU)	
pH adj. to 25 deg C		0.1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 580-33162-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture RL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Instrument ID: WC_Orion 3 Star Method: 9045C

Start Date: 06/07/2012 18:38 End Date: 06/07/2012 19:51

Lab Sample ID	D / F	Type	Time	Analytes															
				pH	Temp														
ICV 280-123063/1	1		18:38	X	X														
ZZZZZZ			18:38																
ZZZZZZ			18:38																
ZZZZZZ			18:38																
ZZZZZZ			18:38																
ZZZZZZ			18:38																
ZZZZZZ			18:38																
ZZZZZZ			18:40																
ZZZZZZ			18:42																
LCS 280-123063/4	1	T	18:44	X	X														
LCSD 280-123063/5	1	T	18:46	X	X														
580-33162-1	1	S	18:50	X	X														
580-33162-1 DU	1	S	18:53	X	X														
580-33162-2	1	S	18:56	X	X														
580-33162-3	1	S	19:00	X	X														
580-33162-4	1	S	19:03	X	X														
580-33162-5	1	S	19:06	X	X														
580-33162-6	1	S	19:09	X	X														
580-33162-7	1	S	19:12	X	X														
CCV 280-123063/14	1		19:14	X	X														
580-33162-8	1	S	19:20	X	X														
580-33162-9	1	S	19:23	X	X														
580-33162-10	1	S	19:26	X	X														
580-33162-11	1	S	19:30	X	X														
580-33162-12	1	S	19:35	X	X														
580-33162-13	1	S	19:39	X	X														
580-33162-14	1	S	19:43	X	X														
580-33162-15	1	S	19:46	X	X														
CCV 280-123063/23	1		19:51	X	X														

Prep Types
S = Soluble
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 06/04/2012 17:05 End Date: 06/04/2012 17:34

Lab Sample ID	D / F	T y p e	Time	Analytes																
				% S o l	M o i s t															
ZZZZZZ			17:34																	
ZZZZZZ			17:34																	
ZZZZZZ			17:34																	
ZZZZZZ			17:34																	
ZZZZZZ			17:34																	
ZZZZZZ			17:34																	

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Batch Number: 123035 Batch Start Date: 06/07/12 15:41 Batch Analyst: Woolley, Mark

Batch Method: DI Leach Batch End Date: 06/07/12 15:46

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
580-33162-A-1	TCLP-174	DI Leach, 9045C	S	40.2 g	40 mL				
580-33162-A-1 DU	TCLP-174	DI Leach, 9045C	S	40.2 g	40 mL				
580-33162-A-2	TCLP-179	DI Leach, 9045C	S	40.0 g	40 mL				
580-33162-A-3	TCLP-207	DI Leach, 9045C	S	40.1 g	40 mL				
580-33162-A-4	TCLP-213	DI Leach, 9045C	S	40.1 g	40 mL				
580-33162-A-5	TCLP-214	DI Leach, 9045C	S	40.1 g	40 mL				
580-33162-A-6	TCLP-225	DI Leach, 9045C	S	40.1 g	40 mL				
580-33162-A-7	TCLP-226	DI Leach, 9045C	S	40.3 g	40 mL				
580-33162-A-8	TCLP-227	DI Leach, 9045C	S	40.1 g	40 mL				
580-33162-A-9	TCLP-229	DI Leach, 9045C	S	40.0 g	40 mL				
580-33162-A-10	TCLP-237	DI Leach, 9045C	S	40.2 g	40 mL				
580-33162-A-11	TCLP-238	DI Leach, 9045C	S	40.2 g	40 mL				
580-33162-A-12	TCLP-241	DI Leach, 9045C	S	40.3 g	40 mL				
580-33162-A-13	TCLP-243	DI Leach, 9045C	S	40.0 g	40 mL				
580-33162-A-14	TCLP-244	DI Leach, 9045C	S	40.0 g	40 mL				
580-33162-A-15	TCLP-251	DI Leach, 9045C	S	40.1 g	40 mL				

Batch Notes	
Balance ID	24950441

Basis	Basis Description
S	Soluble

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Batch Number: 123063 Batch Start Date: 06/07/12 18:38 Batch Analyst: Woolley, Mark

Batch Method: 9045C Batch End Date: 06/07/12 19:51

Lab Sample ID	Client Sample ID	Method Chain	Basis	pH 7.0 Buffer 00081	pH 7.0 ICV 00040				
ICV 280-123063/1		9045C			1 mL				
LCS 280-123063/4		9045C		1 mL					
LCSD 280-123063/5		9045C		1 mL					
CCV 280-123063/14		9045C		1 mL					
CCV 280-123063/23		9045C		1 mL					

Batch Notes	
Balance ID	24950441
pH Buffer 1 ID	PH 4.00_00066 X:5-13
pH Buffer 2 ID	PH 7.00_00081 X:2-14
pH Buffer 3 ID	PH 10.00_00056 X:4-13
pH Buffer 4 ID	LOW RANGE CHECK PH 2.00_00022 X:6-13
pH Buffer 5 ID	HIGH RANGE CHECK PH 12.00_00041 X:11-12
pH Buffer 6 ID	ICV PH 7.00_00040 X:11-13
Electronic Slope	99.0
Instrument ID	ORION
Sufficient volume for sample dup	Y
ID number of the thermometer	NQ2-11921

Basis	Basis Description

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 580-33162-1

SDG No.: _____

Batch Number: 122452 Batch Start Date: 06/04/12 17:05 Batch Analyst: Pottruff, Erma J

Batch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
580-33162-A-1	TCLP-174	Moisture	T	61	1.34 g	16.03 g	12.43 g		
580-33162-A-2	TCLP-179	Moisture	T	62	1.26 g	17.32 g	13.46 g		
580-33162-A-3	TCLP-207	Moisture	T	63	1.25 g	16.57 g	13.07 g		
580-33162-A-4	TCLP-213	Moisture	T	64	1.27 g	18.39 g	14.46 g		
580-33162-A-5	TCLP-214	Moisture	T	65	1.29 g	16.02 g	12.61 g		
580-33162-A-6	TCLP-225	Moisture	T	66	1.27 g	16.31 g	12.60 g		
580-33162-A-7	TCLP-226	Moisture	T	67	1.30 g	16.34 g	12.73 g		
580-33162-A-8	TCLP-227	Moisture	T	68	1.33 g	17.54 g	12.93 g		
580-33162-A-9	TCLP-229	Moisture	T	69	1.34 g	17.76 g	14.27 g		
580-33162-A-10	TCLP-237	Moisture	T	70	1.32 g	16.14 g	13.36 g		
580-33162-A-11	TCLP-238	Moisture	T	71	1.32 g	18.11 g	14.75 g		
580-33162-A-12	TCLP-241	Moisture	T	72	1.32 g	16.68 g	13.72 g		
580-33162-A-13	TCLP-243	Moisture	T	73	1.35 g	17.68 g	15.55 g		
580-33162-A-14	TCLP-244	Moisture	T	74	1.33 g	16.72 g	13.25 g		
580-33162-A-15	TCLP-251	Moisture	T	75	1.34 g	17.88 g	14.73 g		

Batch Notes	
Balance ID	H31422 No Unit
Batch Comment	DV WC 0023
Date samples were placed in the oven	6/4/12
Oven Temp when samples are put in oven	104 Degrees C
Time samples were place in the oven	2247
Date samples were removed from oven	6/5/12
Oven Temp when samples removed from oven	103 Degrees C
Time Samples were removed from oven	1100
Oven ID	F
ID number of the thermometer	miosture
Uncorrected In Temperature	106 Celsius
Uncorrected Out Temperature	103 Celsius

Basis	Basis Description
T	Total/NA

Moisture

Subcontract Data

Shipping and Receiving Documents

Chain of Custody Record

38162

COC NO: 053012A
COC Date: 5/30/2012 9:00:00 AM

Name: Science Applications International Corporation (SAIC)
SAIC Office Address: 18912 No. Creek Parkway, Bothell, WA 98011
SAIC Contact: Marina I. Mitchell
Telephone: (425) 482-3310
Report to: SAIC, marina.mitchell@saic.com
Field Lab Address: 12322 Hwy 99, Suite 97, Everett, WA 98204
Project Name: Everett Smelter Uplands
Job/P.O. No: P010104389

Laboratory Name: Test America
Address: 5755 8th Street East
Tacoma, WA 98424
Contact: Kristine Allen
Telephone: (253) 922-2310
Fax: (253) 922-5047
ShipmentType: lab courier

Sampler (Signature) *[Signature]* (Printed Name) Erin Trainor

Lab No. Field Sample # Depth (ft) Date Time Matrix

Lab No.	Field Sample #	Depth (ft)	Date	Time	Matrix	No. of Containers
1	TCLP-174	0-1	5/29/12	1345	soil	1 2013 Const Group, P010104389, #2
2	TCLP-179	0-1	5/29/12	1320	soil	1 2013 Const Group, P010104389, #2
3	TCLP-207	0-1	5/29/12	1300	soil	1 2013 Const Group, P010104389, #2
4	TCLP-213	0-1	5/29/12	1230	soil	1 2013 Const Group, P010104389, #2
5	TCLP-214	0-1	5/29/12	1515	soil	1 2013 Const Group, P010104389, #2
6	TCLP-225	0-1	5/29/12	1530	soil	1 2013 Const Group, P010104389, #2
7	TCLP-226	0-1	5/29/12	1430	soil	1 2013 Const Group, P010104389, #2
8	TCLP-227	0-1	5/29/12	1400	soil	1 2013 Const Group, P010104389, #2
9	TCLP-229	0-1	5/29/12	1040	soil	1 2013 Const Group, P010104389, #2
10	TCLP-237	0-1	5/29/12	1010	soil	1 2013 Const Group, P010104389, #2
11	TCLP-238	0-1	5/29/12	1000	soil	1 2013 Const Group, P010104389, #2
12	TCLP-241	0-1	5/29/12	1735	soil	1 2013 Const Group, P010104389, #2
13	TCLP-243	0-1	5/29/12	1720	soil	1 2013 Const Group, P010104389, #2

TCLP metals, pH

Relinquished by Date: 5/29/12 Time: 1830
Signature: *[Signature]*
Printed Name: ERIN TRAINOR
Company: SAIC

Received by Date: 5/30/12 Time: 1400
Signature: *[Signature]*
Printed Name: FRANCIS W LUNG, Jr.
Company: TA-SFH

Notes:
A. Store at ambient temp.
B. Do NOT dispose of samples without authorization from SAIC

Methods:
1. TCLP Metals include arsenic, barium, cadmium, chromium, lead, silver, selenium and mercury by EPA 1311/6010B/7470A and pH by EPA 8045C. Project specific lab duplicate and matrix spike sample are required in every analytical batch. Other batch specific lab QC samples include MB and LCS.

Relinquished by Date Time
Signature

Abbreviations:
S - Solid
L - Liquid
NA - Not Applicable

Field Contact: Erin Trainor
Observations, Comments, Special Instructions

Printed Name
Company

COC NO: 053012a

COC Date: 5/30/2012 9:00:00 AM

Name: Science Applications International Corporation (SAIC)
 SAIC Office Address: 18912 No. Creek Parkway, Bothell, WA 98011
 SAIC Contact: Marina I. Mitchell
 Telephone: (425) 482-3310
 Report to: SAIC, marina.mitchell@saic.com
 Field Lab Address: 12322 Hwy 99, Suite 97, Everett, WA 98204
 Project Name: Everett Smelter Uplands
 Job/P.O. No: P010104389

Sampler (Signature)

(Printed Name)
Erin Trainor

Lab No.	Field Sample #	Depth (ft)	Date	Time	Matrix	No. of Containers
14	TCLP-244	0-1.5	5/29/12	1700	soil	1
15	TCLP-251	0-2	5/29/12	1540	soil	1
Total Number of Containers:						15

Handwritten: RUP metals, pH

Laboratory Name: Test America
 Address: 5755 8th Street East
 Tacoma, WA 98424
 Contact: Kristine Allen
 Telephone: (253) 922-2310
 Fax: (253) 922-5047

Shipments Type: lab courier
 Field Contact: Erin Trainor
 Observations, Comments, Special Instructions

Relinquished by	Date: 5/29/12	Time: 1830	Received by	Date: 5/30/12	Time: 1900
Signature	<i>[Signature]</i>		Signature	<i>[Signature]</i>	
Printed Name:	ERIN TRAINOR		Printed Name	Francisco Luns, Jr.	
Company: SAIC			Company	TASEA	

Notes:
 A. store at ambient temp.
 B. do NOT dispose of samples without authorization from SAIC

Abbreviations:
 S - Solid
 L - Liquid
 NA - Not Applicable

Methods:
 1. TCLP Metals include arsenic, barium, cadmium, chromium, lead, silver, selenium and mercury by EPA 1371/6010B/7470A and pH by EPA 9045C. Project specific lab duplicate and matrix spike sample are required in every analytical batch. Other batch specific lab QC samples include MIB and LCS.

Cooler: TB DigIR cor 227 unc334
 Cooler Disc: Blue/White @ Lab 14106
 WetParks Packing Bubble
 W/165

Relinquished by	Date	Time	Received by	Date	Time
Signature			Signature		
Printed Name			Printed Name		
Company			Company		

Login Sample Receipt Checklist

Client: Science Applications International Corp

Job Number: 580-33162-1

Login Number: 33162

List Source: TestAmerica Seattle

List Number: 1

Creator: Riley, Nicole

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	See NCM.
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: Science Applications International Corp

Job Number: 580-33162-1

Login Number: 33162
List Number: 1
Creator: Cofoid, Stephen T

List Source: TestAmerica Denver
List Creation: 06/01/12 05:37 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

ANALYTICAL REPORT

Job Number: 580-49777-1

Job Description: Everett Uplands - 2015 Mapping and Sampl

For:
Leidos, Inc.
18912 North Creek Parkway, Suite 101
Bothell, WA 98011
Attention: Douglas Pearman



Approved for release.
Kristine D Allen
Manager of Project Management
5/26/2015 9:06 AM

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05/26/2015

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This report shall not be reproduced except in full, without prior express written approval by the laboratory. The results relate only to the item(s) tested and the sample(s) as received by the laboratory.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted in the case narrative.

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CASE NARRATIVE

Client: Leidos, Inc.

Project: Everett Uplands - 2015 Mapping and Sampl

Report Number: 580-49777-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 05/08/2015. The temperature of the coolers at receipt was 24.9 C.

The following samples were received outside of holding time for mercury TCLP extraction: TCLP-351-A (580-49777-1) and TCLP-361-A (580-49777-2).

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TCLP METALS

Samples TCLP-351-A (580-49777-1), TCLP-361-A (580-49777-2), TCLP-350-A (580-49777-3), TCLP-350-B (580-49777-4), TCLP-358-A (580-49777-5), TCLP-358-B (580-49777-6), TCLP-359-A (580-49777-7), TCLP-365-A (580-49777-8), TCLP-352-B (580-49777-9), TCLP-352-A (580-49777-10), TCLP-362-A (580-49777-11), TCLP-365-B (580-49777-12), TCLP-356-A (580-49777-13), TCLP-363-A (580-49777-14), TCLP-370-A (580-49777-15), TCLP-364-A (580-49777-16), TCLP-370-B (580-49777-17) and TCLP-371-A (580-49777-18) were analyzed for TCLP metals in accordance with EPA SW-846 Methods 1311/ 6010B. The samples were leached on 05/14/2015 and 05/17/2015, prepared on 05/15/2015 and 05/18/2015 and analyzed on 05/18/2015 and 05/19/2015.

Barium was detected in method blank MB 580-189464/1-C at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Barium was detected in method blank MB 580-189636/1-B at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICPMS)

Samples 351-A-05-B-1 (580-49777-19), 361-A-01-D-1 (580-49777-20), 361-A-04-B-1 (580-49777-21), 350-A-06-B-1 (580-49777-22), 350-A-07-A-1 (580-49777-23), 350-B-04-B-1 (580-49777-24), 358-A-04-B-1 (580-49777-25), 358-B-02-B-1 (580-49777-26), 359-A-03-B-1 (580-49777-27), 359-A-08-B-1 (580-49777-28), COMP-359-X-A (580-49777-29), 365-A-01-B-1 (580-49777-30), 352-B-01-B-1 (580-49777-31), COMP-352-X-A (580-49777-32), 352-A-02-B-1 (580-49777-33), 362-A-06-B-1 (580-49777-34), 362-A-04-B-1 (580-49777-35), 365-B-03-B-1 (580-49777-36), 365-B-03-A-1 (580-49777-37), COMP-365-B-X-A (580-49777-38), 356-A-03-B-1 (580-49777-39), 356-A-06-B-1 (580-49777-40), 363-A-04-B-1 (580-49777-41), 363-A-08-B-1 (580-49777-42), 370-A-01-B-1 (580-49777-43), 364-A-05-B-1 (580-49777-44), 370-B-04-B (580-49777-45), 364-A-07-B-1 (580-49777-46), 371-A-04-B (580-49777-47) and 371-A-06-B (580-49777-48) were analyzed for total metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were leached on 05/20/2015, and prepared and analyzed on 05/20/2015 and 05/21/2015.

Lead failed the recovery criteria high for the MS of sample 351-A-05-B-1MS (580-49777-19) in batch 580-190067.

Arsenic and Lead failed the recovery criteria high for the MSD of sample 351-A-05-B-1MSD (580-49777-19) in batch 580-190067.

Lead failed the recovery criteria high for the MS of sample 358-A-04-B-1MS (580-49777-25) in batch 580-190150.

Lead failed the recovery criteria high for the MSD of sample 358-A-04-B-1MSD (580-49777-25) in batch 580-190150.

The associated lab control sample met the acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TCLP MERCURY

Samples TCLP-351-A (580-49777-1), TCLP-361-A (580-49777-2), TCLP-350-A (580-49777-3), TCLP-350-B (580-49777-4), TCLP-358-A (580-49777-5), TCLP-358-B (580-49777-6), TCLP-359-A (580-49777-7), TCLP-365-A (580-49777-8), TCLP-352-B (580-49777-9), TCLP-352-A (580-49777-10), TCLP-362-A (580-49777-11), TCLP-365-B (580-49777-12), TCLP-356-A (580-49777-13), TCLP-363-A (580-49777-14), TCLP-370-A (580-49777-15), TCLP-364-A (580-49777-16), TCLP-370-B (580-49777-17) and TCLP-371-A (580-49777-18) were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 05/14/2015 and 05/17/2015, prepared on 05/15/2015 and 05/18/2015 and analyzed on 05/18/2015.

The following samples was received and analyzed outside of holding time: TCLP-351-A (580-49777-1) and TCLP-361-A (580-49777-2). The data have been qualified and reported.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS

Samples 351-A-05-B-1 (580-49777-19), 361-A-01-D-1 (580-49777-20), 361-A-04-B-1 (580-49777-21), 350-A-06-B-1 (580-49777-22), 350-A-07-A-1 (580-49777-23), 350-B-04-B-1 (580-49777-24), 358-A-04-B-1 (580-49777-25), 358-B-02-B-1 (580-49777-26), 359-A-03-B-1 (580-49777-27), 359-A-08-B-1 (580-49777-28), COMP-359-X-A (580-49777-29), 365-A-01-B-1 (580-49777-30), 352-B-01-B-1 (580-49777-31), COMP-352-X-A (580-49777-32), 352-A-02-B-1 (580-49777-33), 362-A-06-B-1 (580-49777-34), 362-A-04-B-1 (580-49777-35), 365-B-03-B-1 (580-49777-36), 365-B-03-A-1 (580-49777-37), COMP-365-B-X-A (580-49777-38), 356-A-03-B-1 (580-49777-39), 356-A-06-B-1 (580-49777-40), 363-A-04-B-1 (580-49777-41), 363-A-08-B-1 (580-49777-42), 370-A-01-B-1 (580-49777-43), 364-A-05-B-1 (580-49777-44), 370-B-04-B (580-49777-45), 364-A-07-B-1 (580-49777-46), 371-A-04-B (580-49777-47) and 371-A-06-B (580-49777-48) were analyzed for percent solids in accordance with ASTM D2216. The samples were analyzed on 05/18/2015 and 05/19/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SAMPLE SUMMARY

Client: Leidos, Inc.

Job Number: 580-49777-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-49777-1	TCLP-351-A	Solid	04/15/2015 1230	05/08/2015 1125
580-49777-2	TCLP-361-A	Solid	04/15/2015 1604	05/08/2015 1125
580-49777-3	TCLP-350-A	Solid	04/17/2015 1345	05/08/2015 1125
580-49777-4	TCLP-350-B	Solid	04/17/2015 1613	05/08/2015 1125
580-49777-5	TCLP-358-A	Solid	04/17/2015 1729	05/08/2015 1125
580-49777-6	TCLP-358-B	Solid	04/17/2015 1852	05/08/2015 1125
580-49777-7	TCLP-359-A	Solid	04/21/2015 1016	05/08/2015 1125
580-49777-8	TCLP-365-A	Solid	04/21/2015 1207	05/08/2015 1125
580-49777-9	TCLP-352-B	Solid	04/21/2015 1405	05/08/2015 1125
580-49777-10	TCLP-352-A	Solid	04/21/2015 1520	05/08/2015 1125
580-49777-11	TCLP-362-A	Solid	04/23/2015 1103	05/08/2015 1125
580-49777-12	TCLP-365-B	Solid	04/23/2015 1340	05/08/2015 1125
580-49777-13	TCLP-356-A	Solid	04/23/2015 1630	05/08/2015 1125
580-49777-14	TCLP-363-A	Solid	04/27/2015 1422	05/08/2015 1125
580-49777-15	TCLP-370-A	Solid	04/27/2015 1811	05/08/2015 1125
580-49777-16	TCLP-364-A	Solid	04/29/2015 1128	05/08/2015 1125
580-49777-17	TCLP-370-B	Solid	04/29/2015 1615	05/08/2015 1125
580-49777-18	TCLP-371-A	Solid	04/30/2015 1316	05/08/2015 1125
580-49777-19	351-A-05-B-1	Solid	04/15/2015 1159	05/08/2015 1125
580-49777-20	361-A-01-D-1	Solid	04/15/2015 1424	05/08/2015 1125
580-49777-21	361-A-04-B-1	Solid	04/15/2015 1540	05/08/2015 1125
580-49777-22	350-A-06-B-1	Solid	04/17/2015 1236	05/08/2015 1125
580-49777-23	350-A-07-A-1	Solid	04/17/2015 1320	05/08/2015 1125
580-49777-24	350-B-04-B-1	Solid	04/17/2015 1555	05/08/2015 1125
580-49777-25	358-A-04-B-1	Solid	04/17/2015 1728	05/08/2015 1125
580-49777-26	358-B-02-B-1	Solid	04/17/2015 1839	05/08/2015 1125
580-49777-27	359-A-03-B-1	Solid	04/21/2015 1007	05/08/2015 1125
580-49777-28	359-A-08-B-1	Solid	04/21/2015 1014	05/08/2015 1125
580-49777-29	COMP-359-X-A	Solid	04/21/2015 1030	05/08/2015 1125
580-49777-30	365-A-01-B-1	Solid	04/21/2015 1158	05/08/2015 1125
580-49777-31	352-B-01-B-1	Solid	04/21/2015 1359	05/08/2015 1125
580-49777-32	COMP-352-X-A	Solid	04/21/2015 1403	05/08/2015 1125
580-49777-33	352-A-02-B-1	Solid	04/21/2015 1512	05/08/2015 1125
580-49777-34	362-A-06-B-1	Solid	04/23/2015 1035	05/08/2015 1125
580-49777-35	362-A-04-B-1	Solid	04/23/2015 1047	05/08/2015 1125
580-49777-36	365-B-03-B-1	Solid	04/23/2015 1305	05/08/2015 1125
580-49777-37	365-B-03-A-1	Solid	04/23/2015 1317	05/08/2015 1125
580-49777-38	COMP-365-B-X-A	Solid	04/23/2015 1329	05/08/2015 1125
580-49777-39	356-A-03-B-1	Solid	04/23/2015 1624	05/08/2015 1125
580-49777-40	356-A-06-B-1	Solid	04/23/2015 1625	05/08/2015 1125
580-49777-41	363-A-04-B-1	Solid	04/27/2015 1042	05/08/2015 1125
580-49777-42	363-A-08-B-1	Solid	04/27/2015 1132	05/08/2015 1125
580-49777-43	370-A-01-B-1	Solid	04/27/2015 1604	05/08/2015 1125
580-49777-44	364-A-05-B-1	Solid	04/29/2015 0904	05/08/2015 1125
580-49777-45	370-B-04-B	Solid	04/29/2015 1351	05/08/2015 1125
580-49777-46	364-A-07-B-1	Solid	04/29/2015 0926	05/08/2015 1125
580-49777-47	371-A-04-B	Solid	04/30/2015 0935	05/08/2015 1125
580-49777-48	371-A-06-B	Solid	04/30/2015 0951	05/08/2015 1125

EXECUTIVE SUMMARY - Detections

Client: Leidos, Inc.

Job Number: 580-49777-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-49777-1 <i>TCLP</i>	TCLP-351-A					
Barium		0.73	B	0.010	mg/L	6010B
Cadmium		0.0015	J	0.020	mg/L	6010B
Chromium		0.0033	J	0.025	mg/L	6010B
Lead		0.0067	J	0.030	mg/L	6010B
580-49777-2 <i>TCLP</i>	TCLP-361-A					
Barium		0.74	B	0.010	mg/L	6010B
Cadmium		0.0026	J	0.020	mg/L	6010B
Chromium		0.0040	J	0.025	mg/L	6010B
Lead		0.034		0.030	mg/L	6010B
580-49777-3 <i>TCLP</i>	TCLP-350-A					
Barium		0.64	B	0.010	mg/L	6010B
Cadmium		0.0017	J	0.020	mg/L	6010B
Lead		0.0095	J	0.030	mg/L	6010B
580-49777-4 <i>TCLP</i>	TCLP-350-B					
Barium		0.48	B	0.010	mg/L	6010B
Cadmium		0.0019	J	0.020	mg/L	6010B
Chromium		0.0036	J	0.025	mg/L	6010B
Lead		0.012	J	0.030	mg/L	6010B
580-49777-5 <i>TCLP</i>	TCLP-358-A					
Barium		0.68	B	0.010	mg/L	6010B
Cadmium		0.0027	J	0.020	mg/L	6010B
Chromium		0.0034	J	0.025	mg/L	6010B
Lead		0.061		0.030	mg/L	6010B
580-49777-6 <i>TCLP</i>	TCLP-358-B					
Arsenic		0.0049	J	0.060	mg/L	6010B
Barium		0.67	B	0.010	mg/L	6010B
Cadmium		0.0045	J	0.020	mg/L	6010B
Chromium		0.0042	J	0.025	mg/L	6010B
Lead		0.070		0.030	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Leidos, Inc.

Job Number: 580-49777-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-49777-7 <i>TCLP</i>	TCLP-359-A					
Barium		0.54	B	0.010	mg/L	6010B
Cadmium		0.00090	J	0.020	mg/L	6010B
Chromium		0.0033	J	0.025	mg/L	6010B
580-49777-8 <i>TCLP</i>	TCLP-365-A					
Barium		0.42	B	0.010	mg/L	6010B
Cadmium		0.0020	J	0.020	mg/L	6010B
Lead		0.0085	J	0.030	mg/L	6010B
580-49777-9 <i>TCLP</i>	TCLP-352-B					
Barium		0.59	B	0.010	mg/L	6010B
Cadmium		0.0028	J	0.020	mg/L	6010B
Chromium		0.0042	J	0.025	mg/L	6010B
Lead		0.024	J	0.030	mg/L	6010B
580-49777-10 <i>TCLP</i>	TCLP-352-A					
Barium		0.57	B	0.010	mg/L	6010B
Cadmium		0.0025	J	0.020	mg/L	6010B
Chromium		0.0038	J	0.025	mg/L	6010B
Lead		0.025	J	0.030	mg/L	6010B
580-49777-11 <i>TCLP</i>	TCLP-362-A					
Arsenic		0.010	J	0.060	mg/L	6010B
Barium		0.62	B	0.010	mg/L	6010B
Cadmium		0.0026	J	0.020	mg/L	6010B
Chromium		0.0047	J	0.025	mg/L	6010B
Lead		0.077	J	0.030	mg/L	6010B
580-49777-12 <i>TCLP</i>	TCLP-365-B					
Arsenic		0.0069	J	0.060	mg/L	6010B
Barium		0.40	B	0.010	mg/L	6010B
Cadmium		0.0018	J	0.020	mg/L	6010B
Lead		0.024	J	0.030	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Leidos, Inc.

Job Number: 580-49777-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-49777-13	TCLP-356-A					
<i>TCLP</i>						
Arsenic		0.0056	J	0.060	mg/L	6010B
Barium		0.53	B	0.010	mg/L	6010B
Cadmium		0.0032	J	0.020	mg/L	6010B
Chromium		0.0041	J	0.025	mg/L	6010B
Lead		0.029	J	0.030	mg/L	6010B
580-49777-14	TCLP-363-A					
<i>TCLP</i>						
Arsenic		0.0055	J	0.060	mg/L	6010B
Barium		0.72	B	0.010	mg/L	6010B
Cadmium		0.0022	J	0.020	mg/L	6010B
Chromium		0.011	J	0.025	mg/L	6010B
Lead		0.042		0.030	mg/L	6010B
580-49777-15	TCLP-370-A					
<i>TCLP</i>						
Barium		0.64	B	0.010	mg/L	6010B
Cadmium		0.0016	J	0.020	mg/L	6010B
Chromium		0.0035	J	0.025	mg/L	6010B
Lead		0.0092	J	0.030	mg/L	6010B
580-49777-16	TCLP-364-A					
<i>TCLP</i>						
Barium		0.74	B	0.010	mg/L	6010B
Cadmium		0.0035	J	0.020	mg/L	6010B
Chromium		0.0037	J	0.025	mg/L	6010B
Lead		0.022	J	0.030	mg/L	6010B
580-49777-17	TCLP-370-B					
<i>TCLP</i>						
Barium		0.59	B	0.010	mg/L	6010B
Cadmium		0.0018	J	0.020	mg/L	6010B
Chromium		0.0042	J	0.025	mg/L	6010B
Lead		0.014	J	0.030	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Leidos, Inc.

Job Number: 580-49777-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-49777-18 <i>TCLP</i>	TCLP-371-A					
Barium		0.55	B	0.010	mg/L	6010B
Cadmium		0.0012	J	0.020	mg/L	6010B
Chromium		0.0034	J	0.025	mg/L	6010B
Lead		0.018	J	0.030	mg/L	6010B
580-49777-19	351-A-05-B-1					
Arsenic		41	F1	0.59	mg/Kg	6020
Lead		90	F1	0.59	mg/Kg	6020
Percent Solids		79		0.10	%	160.3
Percent Moisture		21		0.10	%	160.3
580-49777-20	361-A-01-D-1					
Arsenic		52		0.62	mg/Kg	6020
Lead		110		0.62	mg/Kg	6020
Percent Solids		74		0.10	%	160.3
Percent Moisture		26		0.10	%	160.3
580-49777-21	361-A-04-B-1					
Arsenic		62		0.60	mg/Kg	6020
Lead		170		0.60	mg/Kg	6020
Percent Solids		78		0.10	%	160.3
Percent Moisture		22		0.10	%	160.3
580-49777-22	350-A-06-B-1					
Arsenic		50		0.66	mg/Kg	6020
Lead		200		0.66	mg/Kg	6020
Percent Solids		75		0.10	%	160.3
Percent Moisture		25		0.10	%	160.3
580-49777-23	350-A-07-A-1					
Arsenic		18		0.59	mg/Kg	6020
Lead		28		0.59	mg/Kg	6020
Percent Solids		85		0.10	%	160.3
Percent Moisture		15		0.10	%	160.3

EXECUTIVE SUMMARY - Detections

Client: Leidos, Inc.

Job Number: 580-49777-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-49777-24	350-B-04-B-1					
Arsenic		40		0.56	mg/Kg	6020
Lead		170		0.56	mg/Kg	6020
Percent Solids		78		0.10	%	160.3
Percent Moisture		22		0.10	%	160.3
580-49777-25	358-A-04-B-1					
Arsenic		46		0.54	mg/Kg	6020
Lead		200	F1	0.54	mg/Kg	6020
Percent Solids		79		0.10	%	160.3
Percent Moisture		21		0.10	%	160.3
580-49777-26	358-B-02-B-1					
Arsenic		43		0.60	mg/Kg	6020
Lead		220		0.60	mg/Kg	6020
Percent Solids		78		0.10	%	160.3
Percent Moisture		22		0.10	%	160.3
580-49777-27	359-A-03-B-1					
Arsenic		28		0.59	mg/Kg	6020
Lead		48		0.59	mg/Kg	6020
Percent Solids		80		0.10	%	160.3
Percent Moisture		20		0.10	%	160.3
580-49777-28	359-A-08-B-1					
Arsenic		18		0.55	mg/Kg	6020
Lead		150		0.55	mg/Kg	6020
Percent Solids		90		0.10	%	160.3
Percent Moisture		10		0.10	%	160.3
580-49777-29	COMP-359-X-A					
Arsenic		12		0.56	mg/Kg	6020
Lead		64		0.56	mg/Kg	6020
Percent Solids		84		0.10	%	160.3
Percent Moisture		16		0.10	%	160.3

EXECUTIVE SUMMARY - Detections

Client: Leidos, Inc.

Job Number: 580-49777-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-49777-30	365-A-01-B-1					
Arsenic		110		0.62	mg/Kg	6020
Lead		260		0.62	mg/Kg	6020
Percent Solids		73		0.10	%	160.3
Percent Moisture		27		0.10	%	160.3
580-49777-31	352-B-01-B-1					
Arsenic		50		0.61	mg/Kg	6020
Lead		200		0.61	mg/Kg	6020
Percent Solids		73		0.10	%	160.3
Percent Moisture		27		0.10	%	160.3
580-49777-32	COMP-352-X-A					
Arsenic		23		0.56	mg/Kg	6020
Lead		170		0.56	mg/Kg	6020
Percent Solids		78		0.10	%	160.3
Percent Moisture		22		0.10	%	160.3
580-49777-33	352-A-02-B-1					
Arsenic		67		0.62	mg/Kg	6020
Lead		200		0.62	mg/Kg	6020
Percent Solids		76		0.10	%	160.3
Percent Moisture		24		0.10	%	160.3
580-49777-34	362-A-06-B-1					
Arsenic		32		0.56	mg/Kg	6020
Lead		860		0.56	mg/Kg	6020
Percent Solids		82		0.10	%	160.3
Percent Moisture		18		0.10	%	160.3
580-49777-35	362-A-04-B-1					
Arsenic		51		0.57	mg/Kg	6020
Lead		360		0.57	mg/Kg	6020
Percent Solids		85		0.10	%	160.3
Percent Moisture		15		0.10	%	160.3

EXECUTIVE SUMMARY - Detections

Client: Leidos, Inc.

Job Number: 580-49777-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-49777-36	365-B-03-B-1					
Arsenic		41		0.59	mg/Kg	6020
Lead		97		0.59	mg/Kg	6020
Percent Solids		82		0.10	%	160.3
Percent Moisture		18		0.10	%	160.3
580-49777-37	365-B-03-A-1					
Arsenic		44		0.62	mg/Kg	6020
Lead		190		0.62	mg/Kg	6020
Percent Solids		75		0.10	%	160.3
Percent Moisture		25		0.10	%	160.3
580-49777-38	COMP-365-B-X-A					
Arsenic		26		0.59	mg/Kg	6020
Lead		70		0.59	mg/Kg	6020
Percent Solids		83		0.10	%	160.3
Percent Moisture		17		0.10	%	160.3
580-49777-39	356-A-03-B-1					
Arsenic		31		0.59	mg/Kg	6020
Lead		150		0.59	mg/Kg	6020
Percent Solids		81		0.10	%	160.3
Percent Moisture		19		0.10	%	160.3
580-49777-40	356-A-06-B-1					
Arsenic		54		0.62	mg/Kg	6020
Lead		140		0.62	mg/Kg	6020
Percent Solids		76		0.10	%	160.3
Percent Moisture		24		0.10	%	160.3
580-49777-41	363-A-04-B-1					
Arsenic		30		0.58	mg/Kg	6020
Lead		130		0.58	mg/Kg	6020
Percent Solids		84		0.10	%	160.3
Percent Moisture		16		0.10	%	160.3

EXECUTIVE SUMMARY - Detections

Client: Leidos, Inc.

Job Number: 580-49777-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-49777-42	363-A-08-B-1					
Arsenic		27		0.50	mg/Kg	6020
Lead		280		0.50	mg/Kg	6020
Percent Solids		88		0.10	%	160.3
Percent Moisture		12		0.10	%	160.3
580-49777-43	370-A-01-B-1					
Arsenic		34		0.62	mg/Kg	6020
Lead		81		0.62	mg/Kg	6020
Percent Solids		77		0.10	%	160.3
Percent Moisture		23		0.10	%	160.3
580-49777-44	364-A-05-B-1					
Arsenic		43		0.60	mg/Kg	6020
Lead		110		0.60	mg/Kg	6020
Percent Solids		75		0.10	%	160.3
Percent Moisture		25		0.10	%	160.3
580-49777-45	370-B-04-B					
Arsenic		18		0.60	mg/Kg	6020
Lead		56		0.60	mg/Kg	6020
Percent Solids		81		0.10	%	160.3
Percent Moisture		19		0.10	%	160.3
580-49777-46	364-A-07-B-1					
Arsenic		23		0.62	mg/Kg	6020
Lead		66		0.62	mg/Kg	6020
Percent Solids		79		0.10	%	160.3
Percent Moisture		21		0.10	%	160.3
580-49777-47	371-A-04-B					
Arsenic		32		0.60	mg/Kg	6020
Lead		93		0.60	mg/Kg	6020
Percent Solids		77		0.10	%	160.3
Percent Moisture		23		0.10	%	160.3

EXECUTIVE SUMMARY - Detections

Client: Leidos, Inc.

Job Number: 580-49777-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-49777-48	371-A-06-B					
Arsenic		32		0.56	mg/Kg	6020
Lead		75		0.56	mg/Kg	6020
Percent Solids		79		0.10	%	160.3
Percent Moisture		21		0.10	%	160.3

METHOD SUMMARY

Client: Leidos, Inc.

Job Number: 580-49777-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Metals (ICP)	TAL SEA	SW846 6010B	
TCLP Extraction	TAL SEA		SW846 1311
Preparation, Total Metals	TAL SEA		SW846 3010A
Metals (ICP/MS)	TAL SEA	SW846 6020	
Sieve Test	TAL SEA		Sieve
Preparation, Metals	TAL SEA		SW846 3050B
Mercury (CVAA)	TAL SEA	SW846 7470A	
TCLP Extraction	TAL SEA		SW846 1311
Preparation, Mercury	TAL SEA		SW846 7470A
160.3 Modified	TAL SEA	EPA 160.3	

Lab References:

TAL SEA = TestAmerica Seattle

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Leidos, Inc.

Job Number: 580-49777-1

Method	Analyst	Analyst ID
SW846 6010B	Marler, Harrison J	HJM
SW846 6020	Woo, Fred C	FCW
SW846 7470A	Woo, Fred C	FCW
EPA 160.3	Coffie, Deron C	DCC

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: TCLP-351-A

Lab Sample ID: 580-49777-1

Date Sampled: 04/15/2015 1230

Client Matrix: Solid

Date Received: 05/08/2015 1125

6010B Metals (ICP)-TCLP

Analysis Method: 6010B	Analysis Batch: 580-189727	Instrument ID: TAC047
Prep Method: 3010A	Prep Batch: 580-189598	Lab File ID: 189598 668.asc
Dilution: 1.0	Leach Batch: 580-189464	Initial Weight/Volume: 50 mL
Analysis Date: 05/18/2015 1332		Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1706		
Leach Date: 05/14/2015 1805		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.73	B	0.00080	0.010
Cadmium		0.0015	J	0.00050	0.020
Chromium		0.0033	J	0.0033	0.025
Lead		0.0067	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A	Analysis Batch: 580-189705	Instrument ID: TAC104
Prep Method: 7470A	Prep Batch: 580-189601	Lab File ID: 189601-TAC104-FCW
Dilution: 1.0	Leach Batch: 580-189464	Initial Weight/Volume: 5 mL
Analysis Date: 05/18/2015 1145		Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1714		
Leach Date: 05/14/2015 1805		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND	H	0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: TCLP-361-A

Lab Sample ID: 580-49777-2

Date Sampled: 04/15/2015 1604

Client Matrix: Solid

Date Received: 05/08/2015 1125

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-189727 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-189598 Lab File ID: 189598 668.asc
Dilution: 1.0 Leach Batch: 580-189464 Initial Weight/Volume: 50 mL
Analysis Date: 05/18/2015 1356 Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1706
Leach Date: 05/14/2015 1805

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.74	B	0.00080	0.010
Cadmium		0.0026	J	0.00050	0.020
Chromium		0.0040	J	0.0033	0.025
Lead		0.034		0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-189705 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-189601 Lab File ID: 189601-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-189464 Initial Weight/Volume: 5 mL
Analysis Date: 05/18/2015 1242 Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1714
Leach Date: 05/14/2015 1805

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND	H	0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: TCLP-350-A

Lab Sample ID: 580-49777-3

Date Sampled: 04/17/2015 1345

Client Matrix: Solid

Date Received: 05/08/2015 1125

6010B Metals (ICP)-TCLP

Analysis Method: 6010B	Analysis Batch: 580-189727	Instrument ID: TAC047
Prep Method: 3010A	Prep Batch: 580-189598	Lab File ID: 189598 668.asc
Dilution: 1.0	Leach Batch: 580-189464	Initial Weight/Volume: 50 mL
Analysis Date: 05/18/2015 1359		Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1706		
Leach Date: 05/14/2015 1805		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.64	B	0.00080	0.010
Cadmium		0.0017	J	0.00050	0.020
Chromium		ND		0.0033	0.025
Lead		0.0095	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A	Analysis Batch: 580-189705	Instrument ID: TAC104
Prep Method: 7470A	Prep Batch: 580-189601	Lab File ID: 189601-TAC104-FCW
Dilution: 1.0	Leach Batch: 580-189464	Initial Weight/Volume: 5 mL
Analysis Date: 05/18/2015 1202		Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1714		
Leach Date: 05/14/2015 1805		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: TCLP-350-B

Lab Sample ID: 580-49777-4

Date Sampled: 04/17/2015 1613

Client Matrix: Solid

Date Received: 05/08/2015 1125

6010B Metals (ICP)-TCLP

Analysis Method: 6010B	Analysis Batch: 580-189727	Instrument ID: TAC047
Prep Method: 3010A	Prep Batch: 580-189598	Lab File ID: 189598 668.asc
Dilution: 1.0	Leach Batch: 580-189464	Initial Weight/Volume: 50 mL
Analysis Date: 05/18/2015 1403		Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1706		
Leach Date: 05/14/2015 1805		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.48	B	0.00080	0.010
Cadmium		0.0019	J	0.00050	0.020
Chromium		0.0036	J	0.0033	0.025
Lead		0.012	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A	Analysis Batch: 580-189705	Instrument ID: TAC104
Prep Method: 7470A	Prep Batch: 580-189601	Lab File ID: 189601-TAC104-FCW
Dilution: 1.0	Leach Batch: 580-189464	Initial Weight/Volume: 5 mL
Analysis Date: 05/18/2015 1204		Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1714		
Leach Date: 05/14/2015 1805		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: TCLP-358-A

Lab Sample ID: 580-49777-5

Date Sampled: 04/17/2015 1729

Client Matrix: Solid

Date Received: 05/08/2015 1125

6010B Metals (ICP)-TCLP

Analysis Method: 6010B	Analysis Batch: 580-189727	Instrument ID: TAC047
Prep Method: 3010A	Prep Batch: 580-189598	Lab File ID: 189598 668.asc
Dilution: 1.0	Leach Batch: 580-189464	Initial Weight/Volume: 50 mL
Analysis Date: 05/18/2015 1406		Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1706		
Leach Date: 05/14/2015 1805		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.68	B	0.00080	0.010
Cadmium		0.0027	J	0.00050	0.020
Chromium		0.0034	J	0.0033	0.025
Lead		0.061		0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A	Analysis Batch: 580-189705	Instrument ID: TAC104
Prep Method: 7470A	Prep Batch: 580-189601	Lab File ID: 189601-TAC104-FCW
Dilution: 1.0	Leach Batch: 580-189464	Initial Weight/Volume: 5 mL
Analysis Date: 05/18/2015 1207		Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1714		
Leach Date: 05/14/2015 1805		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: TCLP-358-B

Lab Sample ID: 580-49777-6

Date Sampled: 04/17/2015 1852

Client Matrix: Solid

Date Received: 05/08/2015 1125

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-189727	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-189598	Lab File ID:	189598 668.asc
Dilution:	1.0	Leach Batch:	580-189464	Initial Weight/Volume:	50 mL
Analysis Date:	05/18/2015 1409			Final Weight/Volume:	50 mL
Prep Date:	05/15/2015 1706				
Leach Date:	05/14/2015 1805				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0049	J	0.0047	0.060
Barium		0.67	B	0.00080	0.010
Cadmium		0.0045	J	0.00050	0.020
Chromium		0.0042	J	0.0033	0.025
Lead		0.070		0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-189705	Instrument ID:	TAC104
Prep Method:	7470A	Prep Batch:	580-189601	Lab File ID:	189601-TAC104-FCW
Dilution:	1.0	Leach Batch:	580-189464	Initial Weight/Volume:	5 mL
Analysis Date:	05/18/2015 1209			Final Weight/Volume:	50 mL
Prep Date:	05/15/2015 1714				
Leach Date:	05/14/2015 1805				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: TCLP-359-A

Lab Sample ID: 580-49777-7

Date Sampled: 04/21/2015 1016

Client Matrix: Solid

Date Received: 05/08/2015 1125

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-189727 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-189598 Lab File ID: 189598 668.asc
Dilution: 1.0 Leach Batch: 580-189464 Initial Weight/Volume: 50 mL
Analysis Date: 05/18/2015 1413 Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1706
Leach Date: 05/14/2015 1805

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.54	B	0.00080	0.010
Cadmium		0.00090	J	0.00050	0.020
Chromium		0.0033	J	0.0033	0.025
Lead		ND		0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-189705 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-189601 Lab File ID: 189601-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-189464 Initial Weight/Volume: 5 mL
Analysis Date: 05/18/2015 1211 Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1714
Leach Date: 05/14/2015 1805

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: TCLP-365-A

Lab Sample ID: 580-49777-8

Date Sampled: 04/21/2015 1207

Client Matrix: Solid

Date Received: 05/08/2015 1125

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-189727 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-189598 Lab File ID: 189598 668.asc
Dilution: 1.0 Leach Batch: 580-189464 Initial Weight/Volume: 50 mL
Analysis Date: 05/18/2015 1416 Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1706
Leach Date: 05/14/2015 1805

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.42	B	0.00080	0.010
Cadmium		0.0020	J	0.00050	0.020
Chromium		ND		0.0033	0.025
Lead		0.0085	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-189705 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-189601 Lab File ID: 189601-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-189464 Initial Weight/Volume: 5 mL
Analysis Date: 05/18/2015 1214 Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1714
Leach Date: 05/14/2015 1805

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: TCLP-352-B

Lab Sample ID: 580-49777-9

Date Sampled: 04/21/2015 1405

Client Matrix: Solid

Date Received: 05/08/2015 1125

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-189727	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-189598	Lab File ID:	189598 668.asc
Dilution:	1.0	Leach Batch:	580-189464	Initial Weight/Volume:	50 mL
Analysis Date:	05/18/2015 1419			Final Weight/Volume:	50 mL
Prep Date:	05/15/2015 1706				
Leach Date:	05/14/2015 1805				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.59	B	0.00080	0.010
Cadmium		0.0028	J	0.00050	0.020
Chromium		0.0042	J	0.0033	0.025
Lead		0.024	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-189705	Instrument ID:	TAC104
Prep Method:	7470A	Prep Batch:	580-189601	Lab File ID:	189601-TAC104-FCW
Dilution:	1.0	Leach Batch:	580-189464	Initial Weight/Volume:	5 mL
Analysis Date:	05/18/2015 1216			Final Weight/Volume:	50 mL
Prep Date:	05/15/2015 1714				
Leach Date:	05/14/2015 1805				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: TCLP-352-A

Lab Sample ID: 580-49777-10

Date Sampled: 04/21/2015 1520

Client Matrix: Solid

Date Received: 05/08/2015 1125

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-189727	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-189598	Lab File ID:	189598 668.asc
Dilution:	1.0	Leach Batch:	580-189464	Initial Weight/Volume:	50 mL
Analysis Date:	05/18/2015 1423			Final Weight/Volume:	50 mL
Prep Date:	05/15/2015 1706				
Leach Date:	05/14/2015 1805				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.57	B	0.00080	0.010
Cadmium		0.0025	J	0.00050	0.020
Chromium		0.0038	J	0.0033	0.025
Lead		0.025	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-189705	Instrument ID:	TAC104
Prep Method:	7470A	Prep Batch:	580-189601	Lab File ID:	189601-TAC104-FCW
Dilution:	1.0	Leach Batch:	580-189464	Initial Weight/Volume:	5 mL
Analysis Date:	05/18/2015 1218			Final Weight/Volume:	50 mL
Prep Date:	05/15/2015 1714				
Leach Date:	05/14/2015 1805				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: TCLP-362-A

Lab Sample ID: 580-49777-11

Date Sampled: 04/23/2015 1103

Client Matrix: Solid

Date Received: 05/08/2015 1125

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-189727	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-189598	Lab File ID:	189598 668.asc
Dilution:	1.0	Leach Batch:	580-189464	Initial Weight/Volume:	50 mL
Analysis Date:	05/18/2015 1435			Final Weight/Volume:	50 mL
Prep Date:	05/15/2015 1706				
Leach Date:	05/14/2015 1805				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.010	J	0.0047	0.060
Barium		0.62	B	0.00080	0.010
Cadmium		0.0026	J	0.00050	0.020
Chromium		0.0047	J	0.0033	0.025
Lead		0.077		0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-189705	Instrument ID:	TAC104
Prep Method:	7470A	Prep Batch:	580-189601	Lab File ID:	189601-TAC104-FCW
Dilution:	1.0	Leach Batch:	580-189464	Initial Weight/Volume:	5 mL
Analysis Date:	05/18/2015 1221			Final Weight/Volume:	50 mL
Prep Date:	05/15/2015 1714				
Leach Date:	05/14/2015 1805				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: TCLP-365-B

Lab Sample ID: 580-49777-12

Date Sampled: 04/23/2015 1340

Client Matrix: Solid

Date Received: 05/08/2015 1125

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-189727	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-189598	Lab File ID:	189598 668.asc
Dilution:	1.0	Leach Batch:	580-189464	Initial Weight/Volume:	50 mL
Analysis Date:	05/18/2015 1439			Final Weight/Volume:	50 mL
Prep Date:	05/15/2015 1706				
Leach Date:	05/14/2015 1805				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0069	J	0.0047	0.060
Barium		0.40	B	0.00080	0.010
Cadmium		0.0018	J	0.00050	0.020
Chromium		ND		0.0033	0.025
Lead		0.024	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-189705	Instrument ID:	TAC104
Prep Method:	7470A	Prep Batch:	580-189601	Lab File ID:	189601-TAC104-FCW
Dilution:	1.0	Leach Batch:	580-189464	Initial Weight/Volume:	5 mL
Analysis Date:	05/18/2015 1228			Final Weight/Volume:	50 mL
Prep Date:	05/15/2015 1714				
Leach Date:	05/14/2015 1805				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: TCLP-356-A

Lab Sample ID: 580-49777-13
Client Matrix: Solid

Date Sampled: 04/23/2015 1630
Date Received: 05/08/2015 1125

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-189727 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-189598 Lab File ID: 189598 668.asc
Dilution: 1.0 Leach Batch: 580-189464 Initial Weight/Volume: 50 mL
Analysis Date: 05/18/2015 1442 Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1706
Leach Date: 05/14/2015 1805

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0056	J	0.0047	0.060
Barium		0.53	B	0.00080	0.010
Cadmium		0.0032	J	0.00050	0.020
Chromium		0.0041	J	0.0033	0.025
Lead		0.029	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-189705 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-189601 Lab File ID: 189601-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-189464 Initial Weight/Volume: 5 mL
Analysis Date: 05/18/2015 1230 Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1714
Leach Date: 05/14/2015 1805

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: TCLP-363-A

Lab Sample ID: 580-49777-14
Client Matrix: Solid

Date Sampled: 04/27/2015 1422
Date Received: 05/08/2015 1125

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-189727 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-189598 Lab File ID: 189598 668.asc
Dilution: 1.0 Leach Batch: 580-189464 Initial Weight/Volume: 50 mL
Analysis Date: 05/18/2015 1445 Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1706
Leach Date: 05/14/2015 1805

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0055	J	0.0047	0.060
Barium		0.72	B	0.00080	0.010
Cadmium		0.0022	J	0.00050	0.020
Chromium		0.011	J	0.0033	0.025
Lead		0.042		0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-189705 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-189601 Lab File ID: 189601-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-189464 Initial Weight/Volume: 5 mL
Analysis Date: 05/18/2015 1233 Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1714
Leach Date: 05/14/2015 1805

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: TCLP-370-A

Lab Sample ID: 580-49777-15
Client Matrix: Solid

Date Sampled: 04/27/2015 1811
Date Received: 05/08/2015 1125

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-189888 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-189703 Lab File ID: 189715 703 717 730 7
Dilution: 1.0 Leach Batch: 580-189636 Initial Weight/Volume: 50 mL
Analysis Date: 05/19/2015 1250 Final Weight/Volume: 50 mL
Prep Date: 05/18/2015 1343
Leach Date: 05/17/2015 1325

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.64	B	0.00080	0.010
Cadmium		0.0016	J	0.00050	0.020
Chromium		0.0035	J	0.0033	0.025
Lead		0.0092	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-189735 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-189706 Lab File ID: 189698-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-189636 Initial Weight/Volume: 5 mL
Analysis Date: 05/18/2015 1717 Final Weight/Volume: 50 mL
Prep Date: 05/18/2015 1405
Leach Date: 05/17/2015 1325

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: TCLP-364-A

Lab Sample ID: 580-49777-16

Date Sampled: 04/29/2015 1128

Client Matrix: Solid

Date Received: 05/08/2015 1125

6010B Metals (ICP)-TCLP

Analysis Method: 6010B	Analysis Batch: 580-189888	Instrument ID: TAC047
Prep Method: 3010A	Prep Batch: 580-189703	Lab File ID: 189715 703 717 730 7
Dilution: 1.0	Leach Batch: 580-189636	Initial Weight/Volume: 50 mL
Analysis Date: 05/19/2015 1253		Final Weight/Volume: 50 mL
Prep Date: 05/18/2015 1343		
Leach Date: 05/17/2015 1325		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.74	B	0.00080	0.010
Cadmium		0.0035	J	0.00050	0.020
Chromium		0.0037	J	0.0033	0.025
Lead		0.022	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A	Analysis Batch: 580-189735	Instrument ID: TAC104
Prep Method: 7470A	Prep Batch: 580-189706	Lab File ID: 189698-TAC104-FCW
Dilution: 1.0	Leach Batch: 580-189636	Initial Weight/Volume: 5 mL
Analysis Date: 05/18/2015 1720		Final Weight/Volume: 50 mL
Prep Date: 05/18/2015 1405		
Leach Date: 05/17/2015 1325		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: TCLP-370-B

Lab Sample ID: 580-49777-17

Date Sampled: 04/29/2015 1615

Client Matrix: Solid

Date Received: 05/08/2015 1125

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-189888	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-189703	Lab File ID:	189715 703 717 730 7
Dilution:	1.0	Leach Batch:	580-189636	Initial Weight/Volume:	50 mL
Analysis Date:	05/19/2015 1257			Final Weight/Volume:	50 mL
Prep Date:	05/18/2015 1343				
Leach Date:	05/17/2015 1325				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.59	B	0.00080	0.010
Cadmium		0.0018	J	0.00050	0.020
Chromium		0.0042	J	0.0033	0.025
Lead		0.014	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-189735	Instrument ID:	TAC104
Prep Method:	7470A	Prep Batch:	580-189706	Lab File ID:	189698-TAC104-FCW
Dilution:	1.0	Leach Batch:	580-189636	Initial Weight/Volume:	5 mL
Analysis Date:	05/18/2015 1722			Final Weight/Volume:	50 mL
Prep Date:	05/18/2015 1405				
Leach Date:	05/17/2015 1325				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: TCLP-371-A

Lab Sample ID: 580-49777-18

Date Sampled: 04/30/2015 1316

Client Matrix: Solid

Date Received: 05/08/2015 1125

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-189888	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-189703	Lab File ID:	189715 703 717 730 7
Dilution:	1.0	Leach Batch:	580-189636	Initial Weight/Volume:	50 mL
Analysis Date:	05/19/2015 1229			Final Weight/Volume:	50 mL
Prep Date:	05/18/2015 1343				
Leach Date:	05/17/2015 1325				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.55	B	0.00080	0.010
Cadmium		0.0012	J	0.00050	0.020
Chromium		0.0034	J	0.0033	0.025
Lead		0.018	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-189735	Instrument ID:	TAC104
Prep Method:	7470A	Prep Batch:	580-189706	Lab File ID:	189698-TAC104-FCW
Dilution:	1.0	Leach Batch:	580-189636	Initial Weight/Volume:	5 mL
Analysis Date:	05/18/2015 1708			Final Weight/Volume:	50 mL
Prep Date:	05/18/2015 1405				
Leach Date:	05/17/2015 1325				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 351-A-05-B-1

Lab Sample ID: 580-49777-19

Date Sampled: 04/15/2015 1159

Client Matrix: Solid

% Moisture: 21.2

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190067

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-189961

Lab File ID: 128SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0823 g

Analysis Date: 05/20/2015 1721

Final Weight/Volume: 50 mL

Prep Date: 05/20/2015 1306

Sieved Date: 05/20/2015 1139

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		41	F1	0.21	0.59
Lead		90	F1	0.056	0.59

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 361-A-01-D-1

Lab Sample ID: 580-49777-20

Date Sampled: 04/15/2015 1424

Client Matrix: Solid

% Moisture: 26.1

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190067

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-189961

Lab File ID: 135SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0962 g

Analysis Date: 05/20/2015 1751

Final Weight/Volume: 50 mL

Prep Date: 05/20/2015 1306

Sieved Date: 05/20/2015 1139

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		52		0.22	0.62
Lead		110		0.059	0.62

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 361-A-04-B-1

Lab Sample ID: 580-49777-21

Date Sampled: 04/15/2015 1540

Client Matrix: Solid

% Moisture: 22.4

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190067

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-189961

Lab File ID: 136SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0731 g

Analysis Date: 05/20/2015 1756

Final Weight/Volume: 50 mL

Prep Date: 05/20/2015 1306

Sieved Date: 05/20/2015 1139

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		62		0.22	0.60
Lead		170		0.058	0.60

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 350-A-06-B-1

Lab Sample ID: 580-49777-22

Date Sampled: 04/17/2015 1236

Client Matrix: Solid

% Moisture: 25.4

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190067

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-189961

Lab File ID: 137SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0186 g

Analysis Date: 05/20/2015 1800

Final Weight/Volume: 50 mL

Prep Date: 05/20/2015 1306

Sieved Date: 05/20/2015 1139

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		50		0.24	0.66
Lead		200		0.063	0.66

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 350-A-07-A-1

Lab Sample ID: 580-49777-23

Date Sampled: 04/17/2015 1320

Client Matrix: Solid

% Moisture: 15.1

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190067

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-189961

Lab File ID: 138SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0026 g

Analysis Date: 05/20/2015 1804

Final Weight/Volume: 50 mL

Prep Date: 05/20/2015 1306

Sieved Date: 05/20/2015 1139

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		18		0.21	0.59
Lead		28		0.056	0.59

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 350-B-04-B-1

Lab Sample ID: 580-49777-24

Date Sampled: 04/17/2015 1555

Client Matrix: Solid

% Moisture: 21.7

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190067

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-189961

Lab File ID: 139SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.1398 g

Analysis Date: 05/20/2015 1809

Final Weight/Volume: 50 mL

Prep Date: 05/20/2015 1306

Sieved Date: 05/20/2015 1139

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		40		0.20	0.56
Lead		170		0.054	0.56

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 358-A-04-B-1

Lab Sample ID: 580-49777-25

Date Sampled: 04/17/2015 1728

Client Matrix: Solid

% Moisture: 21.3

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190072

Lab File ID: 052SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.1666 g

Analysis Date: 05/21/2015 1538

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1132

Sieved Date: 05/20/2015 1139

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		46		0.20	0.54
Lead		200	F1	0.052	0.54

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 358-B-02-B-1

Lab Sample ID: 580-49777-26

Date Sampled: 04/17/2015 1839

Client Matrix: Solid

% Moisture: 21.6

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190072

Lab File ID: 074SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0613 g

Analysis Date: 05/21/2015 1712

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1132

Sieved Date: 05/20/2015 1139

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		43		0.22	0.60
Lead		220		0.058	0.60

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 359-A-03-B-1

Lab Sample ID: 580-49777-27

Date Sampled: 04/21/2015 1007

Client Matrix: Solid

% Moisture: 20.5

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190072

Lab File ID: 060SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0576 g

Analysis Date: 05/21/2015 1613

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1132

Sieved Date: 05/20/2015 1139

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		28		0.21	0.59
Lead		48		0.057	0.59

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 359-A-08-B-1

Lab Sample ID: 580-49777-28

Date Sampled: 04/21/2015 1014

Client Matrix: Solid

% Moisture: 10.2

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190072

Lab File ID: 061SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0209 g

Analysis Date: 05/21/2015 1617

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1132

Sieved Date: 05/20/2015 1139

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		18		0.20	0.55
Lead		150		0.052	0.55

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: COMP-359-X-A

Lab Sample ID: 580-49777-29

Date Sampled: 04/21/2015 1030

Client Matrix: Solid

% Moisture: 16.0

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190072

Lab File ID: 062SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0569 g

Analysis Date: 05/21/2015 1621

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1132

Sieved Date: 05/20/2015 1139

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		12		0.20	0.56
Lead		64		0.054	0.56

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 365-A-01-B-1

Lab Sample ID: 580-49777-30

Date Sampled: 04/21/2015 1158

Client Matrix: Solid

% Moisture: 26.5

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190072

Lab File ID: 063SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0903 g

Analysis Date: 05/21/2015 1625

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1132

Sieved Date: 05/20/2015 1139

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		110		0.22	0.62
Lead		260		0.060	0.62

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 352-B-01-B-1

Lab Sample ID: 580-49777-31

Date Sampled: 04/21/2015 1359

Client Matrix: Solid

% Moisture: 26.7

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190072

Lab File ID: 064SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.1232 g

Analysis Date: 05/21/2015 1629

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1132

Sieved Date: 05/20/2015 1142

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		50		0.22	0.61
Lead		200		0.058	0.61

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: COMP-352-X-A

Lab Sample ID: 580-49777-32

Date Sampled: 04/21/2015 1403

Client Matrix: Solid

% Moisture: 21.9

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190072

Lab File ID: 065SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.1445 g

Analysis Date: 05/21/2015 1634

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1132

Sieved Date: 05/20/2015 1142

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		23		0.20	0.56
Lead		170		0.054	0.56

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 352-A-02-B-1

Lab Sample ID: 580-49777-33

Date Sampled: 04/21/2015 1512

Client Matrix: Solid

% Moisture: 24.2

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190072

Lab File ID: 066SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0613 g

Analysis Date: 05/21/2015 1638

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1132

Sieved Date: 05/20/2015 1142

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		67		0.22	0.62
Lead		200		0.060	0.62

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 362-A-06-B-1

Lab Sample ID: 580-49777-34

Date Sampled: 04/23/2015 1035

Client Matrix: Solid

% Moisture: 18.0

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190072

Lab File ID: 067SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0861 g

Analysis Date: 05/21/2015 1642

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1132

Sieved Date: 05/20/2015 1142

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		32		0.20	0.56
Lead		860		0.054	0.56

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 362-A-04-B-1

Lab Sample ID: 580-49777-35

Date Sampled: 04/23/2015 1047

Client Matrix: Solid

% Moisture: 15.5

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190072

Lab File ID: 075SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0351 g

Analysis Date: 05/21/2015 1716

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1132

Sieved Date: 05/20/2015 1142

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		51		0.21	0.57
Lead		360		0.055	0.57

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 365-B-03-B-1

Lab Sample ID: 580-49777-36

Date Sampled: 04/23/2015 1305

Client Matrix: Solid

% Moisture: 17.7

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190072

Lab File ID: 071SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0366 g

Analysis Date: 05/21/2015 1659

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1132

Sieved Date: 05/20/2015 1142

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		41		0.21	0.59
Lead		97		0.056	0.59

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 365-B-03-A-1

Lab Sample ID: 580-49777-37

Date Sampled: 04/23/2015 1317

Client Matrix: Solid

% Moisture: 25.2

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190072

Lab File ID: 072SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0852 g

Analysis Date: 05/21/2015 1704

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1132

Sieved Date: 05/20/2015 1142

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		44		0.22	0.62
Lead		190		0.059	0.62

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: COMP-365-B-X-A

Lab Sample ID: 580-49777-38

Date Sampled: 04/23/2015 1329

Client Matrix: Solid

% Moisture: 17.4

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190072

Lab File ID: 073SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0234 g

Analysis Date: 05/21/2015 1708

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1132

Sieved Date: 05/20/2015 1142

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		26		0.21	0.59
Lead		70		0.057	0.59

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 356-A-03-B-1

Lab Sample ID: 580-49777-39

Date Sampled: 04/23/2015 1624

Client Matrix: Solid

% Moisture: 18.8

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190088

Lab File ID: 120SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0398 g

Analysis Date: 05/21/2015 2031

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1227

Sieved Date: 05/20/2015 1142

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		31		0.21	0.59
Lead		150		0.057	0.59

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 356-A-06-B-1

Lab Sample ID: 580-49777-40

Date Sampled: 04/23/2015 1625

Client Matrix: Solid

% Moisture: 23.8

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190088

Lab File ID: 127SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0552 g

Analysis Date: 05/21/2015 2101

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1227

Sieved Date: 05/20/2015 1142

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		54		0.22	0.62
Lead		140		0.060	0.62

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 363-A-04-B-1

Lab Sample ID: 580-49777-41

Date Sampled: 04/27/2015 1042

Client Matrix: Solid

% Moisture: 16.4

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190088

Lab File ID: 128SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0379 g

Analysis Date: 05/21/2015 2105

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1227

Sieved Date: 05/20/2015 1142

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		30		0.21	0.58
Lead		130		0.055	0.58

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 363-A-08-B-1

Lab Sample ID: 580-49777-42

Date Sampled: 04/27/2015 1132

Client Matrix: Solid

% Moisture: 11.8

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190088

Lab File ID: 129SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.1309 g

Analysis Date: 05/21/2015 2109

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1227

Sieved Date: 05/20/2015 1142

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		27		0.18	0.50
Lead		280		0.048	0.50

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 370-A-01-B-1

Lab Sample ID: 580-49777-43

Date Sampled: 04/27/2015 1604

Client Matrix: Solid

% Moisture: 23.5

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190088

Lab File ID: 130SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0516 g

Analysis Date: 05/21/2015 2114

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1227

Sieved Date: 05/20/2015 1142

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		34		0.22	0.62
Lead		81		0.060	0.62

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 364-A-05-B-1

Lab Sample ID: 580-49777-44

Date Sampled: 04/29/2015 0904

Client Matrix: Solid

% Moisture: 24.8

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190088

Lab File ID: 131SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.1068 g

Analysis Date: 05/21/2015 2118

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1227

Sieved Date: 05/20/2015 1142

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		43		0.22	0.60
Lead		110		0.058	0.60

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 370-B-04-B

Lab Sample ID: 580-49777-45

Date Sampled: 04/29/2015 1351

Client Matrix: Solid

% Moisture: 19.0

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190088

Lab File ID: 132SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0267 g

Analysis Date: 05/21/2015 2122

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1227

Sieved Date: 05/20/2015 1142

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		18		0.22	0.60
Lead		56		0.058	0.60

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 364-A-07-B-1

Lab Sample ID: 580-49777-46

Date Sampled: 04/29/2015 0926

Client Matrix: Solid

% Moisture: 20.7

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190088

Lab File ID: 133SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0132 g

Analysis Date: 05/21/2015 2126

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1227

Sieved Date: 05/20/2015 1143

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		23		0.22	0.62
Lead		66		0.060	0.62

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 371-A-04-B

Lab Sample ID: 580-49777-47

Date Sampled: 04/30/2015 0935

Client Matrix: Solid

% Moisture: 22.8

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190088

Lab File ID: 134SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.0809 g

Analysis Date: 05/21/2015 2131

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1227

Sieved Date: 05/20/2015 1143

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		32		0.22	0.60
Lead		93		0.058	0.60

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

Client Sample ID: 371-A-06-B

Lab Sample ID: 580-49777-48

Date Sampled: 04/30/2015 0951

Client Matrix: Solid

% Moisture: 20.8

Date Received: 05/08/2015 1125

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-190150

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-190088

Lab File ID: 135SMPL.D

Dilution: 10

Sieved Batch: 580-189945

Initial Weight/Volume: 1.1215 g

Analysis Date: 05/21/2015 2135

Final Weight/Volume: 50 mL

Prep Date: 05/21/2015 1227

Sieved Date: 05/20/2015 1143

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		32		0.20	0.56
Lead		75		0.054	0.56

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 351-A-05-B-1

Lab Sample ID: 580-49777-19

Client Matrix: Solid

Date Sampled: 04/15/2015 1159

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716		Analysis Date: 05/18/2015 1520				DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716		Analysis Date: 05/18/2015 1520				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 361-A-01-D-1

Lab Sample ID: 580-49777-20

Client Matrix: Solid

Date Sampled: 04/15/2015 1424

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	74		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716		Analysis Date: 05/18/2015 1520				DryWt Corrected: N
Percent Moisture	26		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716		Analysis Date: 05/18/2015 1520				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 361-A-04-B-1

Lab Sample ID: 580-49777-21

Client Matrix: Solid

Date Sampled: 04/15/2015 1540

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716	Analysis Date: 05/18/2015		1520			DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716	Analysis Date: 05/18/2015		1520			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 350-A-06-B-1

Lab Sample ID: 580-49777-22

Client Matrix: Solid

Date Sampled: 04/17/2015 1236

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	75		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716	Analysis Date: 05/18/2015		1520			DryWt Corrected: N
Percent Moisture	25		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716	Analysis Date: 05/18/2015		1520			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 350-A-07-A-1

Lab Sample ID: 580-49777-23

Client Matrix: Solid

Date Sampled: 04/17/2015 1320

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716	Analysis Date: 05/18/2015		1520			DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716	Analysis Date: 05/18/2015		1520			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 350-B-04-B-1

Lab Sample ID: 580-49777-24

Client Matrix: Solid

Date Sampled: 04/17/2015 1555

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716	Analysis Date: 05/18/2015		1520			DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716	Analysis Date: 05/18/2015		1520			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 358-A-04-B-1

Lab Sample ID: 580-49777-25

Client Matrix: Solid

Date Sampled: 04/17/2015 1728

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716		Analysis Date: 05/18/2015 1520				DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716		Analysis Date: 05/18/2015 1520				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 358-B-02-B-1

Lab Sample ID: 580-49777-26

Client Matrix: Solid

Date Sampled: 04/17/2015 1839

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716	Analysis Date: 05/18/2015		1520			DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716	Analysis Date: 05/18/2015		1520			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 359-A-03-B-1

Lab Sample ID: 580-49777-27

Client Matrix: Solid

Date Sampled: 04/21/2015 1007

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716	Analysis Date: 05/18/2015		1520			DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716	Analysis Date: 05/18/2015		1520			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 359-A-08-B-1

Lab Sample ID: 580-49777-28

Client Matrix: Solid

Date Sampled: 04/21/2015 1014

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	90		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716	Analysis Date: 05/18/2015		1520			DryWt Corrected: N
Percent Moisture	10		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716	Analysis Date: 05/18/2015		1520			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: COMP-359-X-A

Lab Sample ID: 580-49777-29

Date Sampled: 04/21/2015 1030

Client Matrix: Solid

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716	Analysis Date: 05/18/2015		1520			DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716	Analysis Date: 05/18/2015		1520			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 365-A-01-B-1

Lab Sample ID: 580-49777-30

Client Matrix: Solid

Date Sampled: 04/21/2015 1158

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	73		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716	Analysis Date: 05/18/2015		1520			DryWt Corrected: N
Percent Moisture	27		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716	Analysis Date: 05/18/2015		1520			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 352-B-01-B-1

Lab Sample ID: 580-49777-31

Client Matrix: Solid

Date Sampled: 04/21/2015 1359

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	73		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716		Analysis Date: 05/18/2015 1520				DryWt Corrected: N
Percent Moisture	27		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189716		Analysis Date: 05/18/2015 1520				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: COMP-352-X-A

Lab Sample ID: 580-49777-32

Date Sampled: 04/21/2015 1403

Client Matrix: Solid

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 352-A-02-B-1

Lab Sample ID: 580-49777-33

Client Matrix: Solid

Date Sampled: 04/21/2015 1512

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	76		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803		Analysis Date: 05/19/2015 1147				DryWt Corrected: N
Percent Moisture	24		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803		Analysis Date: 05/19/2015 1147				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 362-A-06-B-1

Lab Sample ID: 580-49777-34

Client Matrix: Solid

Date Sampled: 04/23/2015 1035

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 362-A-04-B-1

Lab Sample ID: 580-49777-35

Client Matrix: Solid

Date Sampled: 04/23/2015 1047

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 365-B-03-B-1

Lab Sample ID: 580-49777-36

Client Matrix: Solid

Date Sampled: 04/23/2015 1305

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 365-B-03-A-1

Lab Sample ID: 580-49777-37

Client Matrix: Solid

Date Sampled: 04/23/2015 1317

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	75		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N
Percent Moisture	25		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: COMP-365-B-X-A

Lab Sample ID: 580-49777-38

Date Sampled: 04/23/2015 1329

Client Matrix: Solid

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 356-A-03-B-1

Lab Sample ID: 580-49777-39

Client Matrix: Solid

Date Sampled: 04/23/2015 1624

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 356-A-06-B-1

Lab Sample ID: 580-49777-40

Client Matrix: Solid

Date Sampled: 04/23/2015 1625

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	76		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N
Percent Moisture	24		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 363-A-04-B-1

Lab Sample ID: 580-49777-41

Client Matrix: Solid

Date Sampled: 04/27/2015 1042

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 363-A-08-B-1

Lab Sample ID: 580-49777-42

Client Matrix: Solid

Date Sampled: 04/27/2015 1132

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 370-A-01-B-1

Lab Sample ID: 580-49777-43

Client Matrix: Solid

Date Sampled: 04/27/2015 1604

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	77		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N
Percent Moisture	23		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 364-A-05-B-1

Lab Sample ID: 580-49777-44

Client Matrix: Solid

Date Sampled: 04/29/2015 0904

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	75		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N
Percent Moisture	25		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 370-B-04-B

Lab Sample ID: 580-49777-45

Client Matrix: Solid

Date Sampled: 04/29/2015 1351

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 364-A-07-B-1

Lab Sample ID: 580-49777-46

Client Matrix: Solid

Date Sampled: 04/29/2015 0926

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 371-A-04-B

Lab Sample ID: 580-49777-47

Client Matrix: Solid

Date Sampled: 04/30/2015 0935

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	77		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803		Analysis Date: 05/19/2015 1147				DryWt Corrected: N
Percent Moisture	23		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803		Analysis Date: 05/19/2015 1147				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-49777-1

General Chemistry

Client Sample ID: 371-A-06-B

Lab Sample ID: 580-49777-48

Client Matrix: Solid

Date Sampled: 04/30/2015 0951

Date Received: 05/08/2015 1125

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-189803	Analysis Date: 05/19/2015		1147			DryWt Corrected: N

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Method Blank - Batch: 580-189598

Lab Sample ID: MB 580-189464/1-C
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/18/2015 1316
 Prep Date: 05/15/2015 1707
 Leach Date: 05/14/2015 1805

Analysis Batch: 580-189727
 Prep Batch: 580-189598
 Leach Batch: 580-189464
 Units: mg/L

**Method: 6010B
 Preparation: 3010A
 TCLP**

Instrument ID: TAC047
 Lab File ID: 189598 668.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.0047	0.060
Barium	0.00140	J	0.00080	0.010
Cadmium	ND		0.00050	0.020
Chromium	ND		0.0033	0.025
Lead	ND		0.0026	0.030
Selenium	ND		0.0054	0.10
Silver	ND		0.0085	0.050

LCS-Certified Reference Material - Batch: 580-189598

Lab Sample ID: LCSSRM 580-189598/27-
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/18/2015 1325
 Prep Date: 05/15/2015 1707
 Leach Date: N/A

Analysis Batch: 580-189727
 Prep Batch: 580-189598
 Leach Batch: N/A
 Units: mg/L

**Method: 6010B
 Preparation: 3010A**

Instrument ID: TAC047
 Lab File ID: 189598 668.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	4.00	4.14	104	80 - 120	
Barium	4.00	4.10	102	80 - 120	
Cadmium	0.100	0.0990	99	80 - 120	
Chromium	0.400	0.360	90	80 - 120	
Lead	1.00	1.03	103	80 - 120	
Selenium	4.00	4.23	106	80 - 120	
Silver	0.600	0.570	95	75 - 120	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-189598**

**Method: 6010B
Preparation: 3010A
TCLP**

LCS Lab Sample ID: LCS 580-189464/2-C	Analysis Batch: 580-189727	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-189598	Lab File ID: 189598 668.asc
Dilution: 1.0	Leach Batch: 580-189464	Initial Weight/Volume: 50 mL
Analysis Date: 05/18/2015 1320	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1707		
Leach Date: 05/14/2015 1805		

LCSD Lab Sample ID: LCSD 580-189464/3-C	Analysis Batch: 580-189727	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-189598	Lab File ID: 189598 668.asc
Dilution: 1.0	Leach Batch: 580-189464	Initial Weight/Volume: 50 mL
Analysis Date: 05/18/2015 1322	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1707		
Leach Date: 05/14/2015 1805		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	102	100	80 - 120	2	20		
Barium	97	96	80 - 120	1	20		
Cadmium	98	96	80 - 120	2	20		
Chromium	88	86	80 - 120	3	20		
Lead	102	100	80 - 120	2	20		
Selenium	105	103	80 - 120	1	20		
Silver	92	90	80 - 120	3	20		

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-189598**

**Method: 6010B
Preparation: 3010A
TCLP**

LCS Lab Sample ID: LCS 580-189464/2-C	Units: mg/L
Client Matrix: Solid	
Dilution: 1.0	
Analysis Date: 05/18/2015 1320	
Prep Date: 05/15/2015 1707	
Leach Date: 05/14/2015 1805	

LCSD Lab Sample ID: LCSD 580-189464/3-C	Units: mg/L
Client Matrix: Solid	
Dilution: 1.0	
Analysis Date: 05/18/2015 1322	
Prep Date: 05/15/2015 1707	
Leach Date: 05/14/2015 1805	

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	4.00	4.00	4.09	4.00
Barium	4.00	4.00	3.89	3.84
Cadmium	0.100	0.100	0.0978	0.0961
Chromium	0.400	0.400	0.353	0.344
Lead	1.00	1.00	1.02	0.996
Selenium	4.00	4.00	4.19	4.13
Silver	0.600	0.600	0.553	0.539

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Post Digestion Spike - Batch: 580-189598

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID: 580-49777-1	Analysis Batch: 580-189727	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-189598	Lab File ID: 189598 668.asc
Dilution: 1.0	Leach Batch: 580-189464	Initial Weight/Volume: 50 mL
Analysis Date: 05/18/2015 1344	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1706		
Leach Date: 05/14/2015 1805		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	ND	4.00	3.86	97	75 - 125	
Barium	0.73	4.00	4.34	90	75 - 125	
Cadmium	0.0015 J	0.100	0.0938	92	75 - 125	
Chromium	0.0033 J	0.400	0.340	84	75 - 125	
Lead	0.0067 J	1.00	0.960	95	75 - 125	
Selenium	ND	4.00	3.94	98	75 - 125	
Silver	ND	0.600	0.524	87	75 - 125	

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-189598**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID: 580-49777-1	Analysis Batch: 580-189727	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-189598	Lab File ID: 189598 668.asc
Dilution: 1.0	Leach Batch: 580-189464	Initial Weight/Volume: 50 mL
Analysis Date: 05/18/2015 1338		Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1706		
Leach Date: 05/14/2015 1805		

MSD Lab Sample ID: 580-49777-1	Analysis Batch: 580-189727	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-189598	Lab File ID: 189598 668.asc
Dilution: 1.0	Leach Batch: 580-189464	Initial Weight/Volume: 50 mL
Analysis Date: 05/18/2015 1341		Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1706		
Leach Date: 05/14/2015 1805		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	105	99	75 - 125	6	20		
Barium	101	97	75 - 125	3	20		
Cadmium	100	94	75 - 125	6	20		
Chromium	90	85	75 - 125	6	20		
Lead	103	98	75 - 125	6	20		
Selenium	108	101	75 - 125	6	20		
Silver	95	90	75 - 125	6	20		

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-189598**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID: 580-49777-1 Units: mg/L
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/18/2015 1338
Prep Date: 05/15/2015 1706
Leach Date: 05/14/2015 1805

MSD Lab Sample ID: 580-49777-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/18/2015 1341
Prep Date: 05/15/2015 1706
Leach Date: 05/14/2015 1805

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	ND		4.00	4.00	4.19	3.95
Barium	0.73		4.00	4.00	4.75	4.60
Cadmium	0.0015	J	0.100	0.100	0.101	0.0954
Chromium	0.0033	J	0.400	0.400	0.364	0.344
Lead	0.0067	J	1.00	1.00	1.04	0.984
Selenium	ND		4.00	4.00	4.32	4.06
Silver	ND		0.600	0.600	0.572	0.540

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Serial Dilution - Batch: 580-189598

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID: 580-49777-1	Analysis Batch: 580-189727	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-189598	Lab File ID: 189598 668.asc
Dilution: 5.0	Leach Batch: 580-189464	Initial Weight/Volume: 50 mL
Analysis Date: 05/18/2015 1328	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1706		
Leach Date: 05/14/2015 1805		

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	ND	ND	NC	10	
Barium	0.73	0.753	3.5	10	
Cadmium	0.0015 J	ND	NC	10	
Chromium	0.0033 J	ND	NC	10	
Lead	0.0067 J	ND	NC	10	
Selenium	ND	ND	NC	10	
Silver	ND	ND	NC	10	

Duplicate - Batch: 580-189598

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID: 580-49777-1	Analysis Batch: 580-189727	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-189598	Lab File ID: 189598 668.asc
Dilution: 1.0	Leach Batch: 580-189464	Initial Weight/Volume: 50 mL
Analysis Date: 05/18/2015 1335	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1706		
Leach Date: 05/14/2015 1805		

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	ND	ND	NC	20	
Barium	0.73	0.699	4	20	
Cadmium	0.0015 J	0.00150	0	20	J
Chromium	0.0033 J	ND	NC	20	
Lead	0.0067 J	0.00620	8	20	J
Selenium	ND	ND	NC	20	
Silver	ND	ND	NC	20	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Method Blank - Batch: 580-189703

Lab Sample ID: MB 580-189636/1-B
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/19/2015 1213
 Prep Date: 05/18/2015 1343
 Leach Date: 05/17/2015 1325

Analysis Batch: 580-189888
 Prep Batch: 580-189703
 Leach Batch: 580-189636
 Units: mg/L

**Method: 6010B
 Preparation: 3010A
 TCLP**

Instrument ID: TAC047
 Lab File ID: 189715 703 717 730 74
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.0047	0.060
Barium	0.00800	J	0.00080	0.010
Cadmium	ND		0.00050	0.020
Chromium	ND		0.0033	0.025
Lead	ND		0.0026	0.030
Selenium	ND		0.0054	0.10
Silver	ND		0.0085	0.050

LCS-Certified Reference Material - Batch: 580-189703

Lab Sample ID: LCSSRM 580-189703/14-
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/19/2015 1223
 Prep Date: 05/18/2015 1343
 Leach Date: N/A

Analysis Batch: 580-189888
 Prep Batch: 580-189703
 Leach Batch: N/A
 Units: mg/L

**Method: 6010B
 Preparation: 3010A**

Instrument ID: TAC047
 Lab File ID: 189715 703 717 730 74
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	4.00	3.87	97	80 - 120	
Barium	4.00	3.79	95	80 - 120	
Cadmium	0.100	0.0930	93	80 - 120	
Chromium	0.400	0.337	84	80 - 120	
Lead	1.00	0.956	96	80 - 120	
Selenium	4.00	3.91	98	80 - 120	
Silver	0.600	0.557	93	75 - 120	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-189703**

**Method: 6010B
Preparation: 3010A
TCLP**

LCS Lab Sample ID: LCS 580-189636/2-B	Analysis Batch: 580-189888	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-189703	Lab File ID: 189715 703 717 730 74
Dilution: 1.0	Leach Batch: 580-189636	Initial Weight/Volume: 50 mL
Analysis Date: 05/19/2015 1216	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/18/2015 1343		
Leach Date: 05/17/2015 1325		

LCSD Lab Sample ID: LCSD 580-189636/3-B	Analysis Batch: 580-189888	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-189703	Lab File ID: 189715 703 717 730 74
Dilution: 1.0	Leach Batch: 580-189636	Initial Weight/Volume: 50 mL
Analysis Date: 05/19/2015 1219	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/18/2015 1343		
Leach Date: 05/17/2015 1325		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	102	106	80 - 120	4	20		
Barium	98	105	80 - 120	7	20		
Cadmium	97	102	80 - 120	5	20		
Chromium	88	92	80 - 120	5	20		
Lead	100	106	80 - 120	6	20		
Selenium	105	107	80 - 120	2	20		
Silver	95	101	80 - 120	7	20		

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-189703**

**Method: 6010B
Preparation: 3010A
TCLP**

LCS Lab Sample ID: LCS 580-189636/2-B	Units: mg/L	LCSD Lab Sample ID: LCSD 580-189636/3-B
Client Matrix: Solid		Client Matrix: Solid
Dilution: 1.0		Dilution: 1.0
Analysis Date: 05/19/2015 1216		Analysis Date: 05/19/2015 1219
Prep Date: 05/18/2015 1343		Prep Date: 05/18/2015 1343
Leach Date: 05/17/2015 1325		Leach Date: 05/17/2015 1325

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	4.00	4.00	4.09	4.25
Barium	4.00	4.00	3.92	4.19
Cadmium	0.100	0.100	0.0967	0.102
Chromium	0.400	0.400	0.350	0.370
Lead	1.00	1.00	0.999	1.06
Selenium	4.00	4.00	4.18	4.29
Silver	0.600	0.600	0.569	0.609

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Post Digestion Spike - Batch: 580-189703

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID: 580-49777-18	Analysis Batch: 580-189888	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-189703	Lab File ID: 189715 703 717 730 74
Dilution: 1.0	Leach Batch: 580-189636	Initial Weight/Volume: 50 mL
Analysis Date: 05/19/2015 1241	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/18/2015 1343		
Leach Date: 05/17/2015 1325		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	ND	4.00	4.09	102	75 - 125	
Barium	0.55	4.00	4.40	96	75 - 125	
Cadmium	0.0012 J	0.100	0.0975	96	75 - 125	
Chromium	0.0034 J	0.400	0.351	87	75 - 125	
Lead	0.018 J	1.00	1.00	98	75 - 125	
Selenium	ND	4.00	4.21	105	75 - 125	
Silver	ND	0.600	0.568	95	75 - 125	

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-189703**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID: 580-49777-18	Analysis Batch: 580-189888	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-189703	Lab File ID: 189715 703 717 730 74
Dilution: 1.0	Leach Batch: 580-189636	Initial Weight/Volume: 50 mL
Analysis Date: 05/19/2015 1235		Final Weight/Volume: 50 mL
Prep Date: 05/18/2015 1343		
Leach Date: 05/17/2015 1325		

MSD Lab Sample ID: 580-49777-18	Analysis Batch: 580-189888	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-189703	Lab File ID: 189715 703 717 730 74
Dilution: 1.0	Leach Batch: 580-189636	Initial Weight/Volume: 50 mL
Analysis Date: 05/19/2015 1238		Final Weight/Volume: 50 mL
Prep Date: 05/18/2015 1343		
Leach Date: 05/17/2015 1325		

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	107	102	75 - 125	6	20		
Barium	103	95	75 - 125	7	20		
Cadmium	100	96	75 - 125	5	20		
Chromium	90	87	75 - 125	4	20		
Lead	104	97	75 - 125	6	20		
Selenium	111	103	75 - 125	7	20		
Silver	97	91	75 - 125	6	20		

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-189703**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID: 580-49777-18 Units: mg/L
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/19/2015 1235
Prep Date: 05/18/2015 1343
Leach Date: 05/17/2015 1325

MSD Lab Sample ID: 580-49777-18
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/19/2015 1238
Prep Date: 05/18/2015 1343
Leach Date: 05/17/2015 1325

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	ND	4.00	4.00	4.30	4.06
Barium	0.55	4.00	4.00	4.65	4.34
Cadmium	0.0012 J	0.100	0.100	0.102	0.0969
Chromium	0.0034 J	0.400	0.400	0.365	0.351
Lead	0.018 J	1.00	1.00	1.05	0.992
Selenium	ND	4.00	4.00	4.43	4.13
Silver	ND	0.600	0.600	0.580	0.548

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Serial Dilution - Batch: 580-189703

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID: 580-49777-18	Analysis Batch: 580-189888	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-189703	Lab File ID: 189715 703 717 730 74
Dilution: 5.0	Leach Batch: 580-189636	Initial Weight/Volume: 50 mL
Analysis Date: 05/19/2015 1225	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/18/2015 1343		
Leach Date: 05/17/2015 1325		

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	ND	ND	NC	10	
Barium	0.55	0.580	5.3	10	
Cadmium	0.0012 J	ND	NC	10	
Chromium	0.0034 J	ND	NC	10	
Lead	0.018 J	0.0270	NC	10	J
Selenium	ND	ND	NC	10	
Silver	ND	ND	NC	10	

Duplicate - Batch: 580-189703

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID: 580-49777-18	Analysis Batch: 580-189888	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-189703	Lab File ID: 189715 703 717 730 74
Dilution: 1.0	Leach Batch: 580-189636	Initial Weight/Volume: 50 mL
Analysis Date: 05/19/2015 1232	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/18/2015 1343		
Leach Date: 05/17/2015 1325		

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	ND	ND	NC	20	
Barium	0.55	0.586	6	20	
Cadmium	0.0012 J	0.00140	15	20	J
Chromium	0.0034 J	0.00370	8	20	J
Lead	0.018 J	0.0203	12	20	J
Selenium	ND	ND	NC	20	
Silver	ND	ND	NC	20	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Method Blank - Batch: 580-189961

Method: 6020
Preparation: 3050B

Lab Sample ID: MB 580-189961/20-A	Analysis Batch: 580-190067	Instrument ID: SEA044
Client Matrix: Solid	Prep Batch: 580-189961	Lab File ID: 123SMPL.D
Dilution: 10	Sieved Batch: N/A	Initial Weight/Volume: 1.0 g
Analysis Date: 05/20/2015 1700	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 05/20/2015 1306		
Sieved Date: N/A		

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.18	0.50
Lead	ND		0.048	0.50

LCS-Certified Reference Material - Batch: 580-189961

Method: 6020
Preparation: 3050B

Lab Sample ID: LCSSRM 580-189961/23	Analysis Batch: 580-190067	Instrument ID: SEA044
Client Matrix: Solid	Prep Batch: 580-189961	Lab File ID: 126SMPL.D
Dilution: 50	Sieved Batch: N/A	Initial Weight/Volume: 0.5063 g
Analysis Date: 05/20/2015 1713	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 05/20/2015 1306		
Sieved Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	139	142	102.2	70.4 - 140.3	
Lead	133	128	96.5	72.9 - 127.8	

Lab Control Sample/

Method: 6020
Preparation: 3050B

Lab Control Sample Duplicate Recovery Report - Batch: 580-189961

LCS Lab Sample ID: LCS 580-189961/21-A	Analysis Batch: 580-190067	Instrument ID: SEA044
Client Matrix: Solid	Prep Batch: 580-189961	Lab File ID: 124SMPL.D
Dilution: 50	Sieved Batch: N/A	Initial Weight/Volume: 1.0 g
Analysis Date: 05/20/2015 1704	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 05/20/2015 1306		
Sieved Date: N/A		

LCSD Lab Sample ID: LCSD 580-189961/22-A	Analysis Batch: 580-190067	Instrument ID: SEA044
Client Matrix: Solid	Prep Batch: 580-189961	Lab File ID: 125SMPL.D
Dilution: 50	Sieved Batch: N/A	Initial Weight/Volume: 1.0 g
Analysis Date: 05/20/2015 1709	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 05/20/2015 1306		
Sieved Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	101	99	80 - 120	2	20		
Lead	97	95	80 - 120	3	20		

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-189961**

**Method: 6020
Preparation: 3050B**

LCS Lab Sample ID: LCS 580-189961/21-A Units: mg/Kg
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 05/20/2015 1704
 Prep Date: 05/20/2015 1306
 Sieved Date: N/A

LCSD Lab Sample ID: LCSD 580-189961/22-A
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 05/20/2015 1709
 Prep Date: 05/20/2015 1306
 Sieved Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	200	200	203	198
Lead	50.0	50.0	48.5	47.3

Post Digestion Spike - Batch: 580-189961

**Method: 6020
Preparation: 3050B**

Lab Sample ID: 580-49777-19
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 05/20/2015 1739
 Prep Date: 05/20/2015 1306
 Sieved Date: 05/20/2015 1139

Analysis Batch: 580-190067
 Prep Batch: 580-189961
 Sieved Batch: 580-189945
 Units: mg/Kg

Instrument ID: SEA044
 Lab File ID: 132SMPL.D
 Initial Weight/Volume: 1.0823 g
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	41	234	283	103	75 - 125	
Lead	90	58.6	139	83	75 - 125	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-189961**

**Method: 6020
Preparation: 3050B**

MS Lab Sample ID: 580-49777-19
Client Matrix: Solid
Dilution: 50
Analysis Date: 05/20/2015 1730
Prep Date: 05/20/2015 1306
Sieved Date: 05/20/2015 1139

Analysis Batch: 580-190067
Prep Batch: 580-189961
Sieved Batch: 580-189945

Instrument ID: SEA044
Lab File ID: 130SMPL.D
Initial Weight/Volume: 1.1037 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 580-49777-19
Client Matrix: Solid
Dilution: 50
Analysis Date: 05/20/2015 1734
Prep Date: 05/20/2015 1306
Sieved Date: 05/20/2015 1139

Analysis Batch: 580-190067
Prep Batch: 580-189961
Sieved Batch: 580-189945

Instrument ID: SEA044
Lab File ID: 131SMPL.D
Initial Weight/Volume: 1.1011 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	103	122	80 - 120	15	20		F1
Lead	127	166	80 - 120	13	20	F1	F1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-189961**

**Method: 6020
Preparation: 3050B**

MS Lab Sample ID: 580-49777-19
Client Matrix: Solid
Dilution: 50
Analysis Date: 05/20/2015 1730
Prep Date: 05/20/2015 1306
Sieved Date: 05/20/2015 1139

Units: mg/Kg

MSD Lab Sample ID: 580-49777-19
Client Matrix: Solid
Dilution: 50
Analysis Date: 05/20/2015 1734
Prep Date: 05/20/2015 1306
Sieved Date: 05/20/2015 1139

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS		MSD	
				Result/Qual		Result/Qual	
Arsenic	41	230	230	277		322	F1
Lead	90	57.5	57.6	163	F1	186	F1

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Serial Dilution - Batch: 580-189961

Method: 6020
Preparation: 3050B

Lab Sample ID: 580-49777-19
Client Matrix: Solid
Dilution: 50
Analysis Date: 05/20/2015 1717
Prep Date: 05/20/2015 1306
Sieved Date: 05/20/2015 1139

Analysis Batch: 580-190067
Prep Batch: 580-189961
Sieved Batch: 580-189945
Units: mg/Kg

Instrument ID: SEA044
Lab File ID: 127SMPL.D
Initial Weight/Volume: 1.0823 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	41	44.5	8.2	10	
Lead	90	92.3	2.1	10	

Duplicate - Batch: 580-189961

Method: 6020
Preparation: 3050B

Lab Sample ID: 580-49777-19
Client Matrix: Solid
Dilution: 10
Analysis Date: 05/20/2015 1726
Prep Date: 05/20/2015 1306
Sieved Date: 05/20/2015 1139

Analysis Batch: 580-190067
Prep Batch: 580-189961
Sieved Batch: 580-189945
Units: mg/Kg

Instrument ID: SEA044
Lab File ID: 129SMPL.D
Initial Weight/Volume: 1.0758 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	41	45.2	9	20	
Lead	90	98.3	8	20	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Method Blank - Batch: 580-190072

Method: 6020
Preparation: 3050B

Lab Sample ID: MB 580-190072/19-A	Analysis Batch: 580-190150	Instrument ID: SEA044
Client Matrix: Solid	Prep Batch: 580-190072	Lab File ID: 047SMPL.D
Dilution: 10	Sieved Batch: N/A	Initial Weight/Volume: 1.0 g
Analysis Date: 05/21/2015 1517	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 05/21/2015 1132		
Sieved Date: N/A		

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.18	0.50
Lead	ND		0.048	0.50

LCS-Certified Reference Material - Batch: 580-190072

Method: 6020
Preparation: 3050B

Lab Sample ID: LCSSRM 580-190072/22	Analysis Batch: 580-190150	Instrument ID: SEA044
Client Matrix: Solid	Prep Batch: 580-190072	Lab File ID: 050SMPL.D
Dilution: 50	Sieved Batch: N/A	Initial Weight/Volume: 0.5861 g
Analysis Date: 05/21/2015 1530	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 05/21/2015 1132		
Sieved Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	139	113	81.0	70.4 - 140.3	
Lead	133	109	81.9	72.9 - 127.8	

Lab Control Sample/

Method: 6020
Preparation: 3050B

Lab Control Sample Duplicate Recovery Report - Batch: 580-190072

LCS Lab Sample ID: LCS 580-190072/20-A	Analysis Batch: 580-190150	Instrument ID: SEA044
Client Matrix: Solid	Prep Batch: 580-190072	Lab File ID: 048SMPL.D
Dilution: 50	Sieved Batch: N/A	Initial Weight/Volume: 1.0 g
Analysis Date: 05/21/2015 1521	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 05/21/2015 1132		
Sieved Date: N/A		

LCSD Lab Sample ID: LCSD 580-190072/21-A	Analysis Batch: 580-190150	Instrument ID: SEA044
Client Matrix: Solid	Prep Batch: 580-190072	Lab File ID: 049SMPL.D
Dilution: 50	Sieved Batch: N/A	Initial Weight/Volume: 1.0 g
Analysis Date: 05/21/2015 1526	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 05/21/2015 1132		
Sieved Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	95	94	80 - 120	1	20		
Lead	97	96	80 - 120	1	20		

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-190072**

**Method: 6020
Preparation: 3050B**

LCS Lab Sample ID: LCS 580-190072/20-A Units: mg/Kg
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 05/21/2015 1521
 Prep Date: 05/21/2015 1132
 Sieved Date: N/A

LCSD Lab Sample ID: LCSD 580-190072/21-A
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 05/21/2015 1526
 Prep Date: 05/21/2015 1132
 Sieved Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	200	200	189	188
Lead	50.0	50.0	48.4	47.9

Post Digestion Spike - Batch: 580-190072

**Method: 6020
Preparation: 3050B**

Lab Sample ID: 580-49777-25
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 05/21/2015 1555
 Prep Date: 05/21/2015 1132
 Sieved Date: 05/20/2015 1139

Analysis Batch: 580-190150
 Prep Batch: 580-190072
 Sieved Batch: 580-189945
 Units: mg/Kg

Instrument ID: SEA044
 Lab File ID: 056SMPL.D
 Initial Weight/Volume: 1.1666 g
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	46	218	262	99	75 - 125	
Lead	200	54.5	240	75	75 - 125	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-190072**

**Method: 6020
Preparation: 3050B**

MS Lab Sample ID: 580-49777-25
Client Matrix: Solid
Dilution: 50
Analysis Date: 05/21/2015 1547
Prep Date: 05/21/2015 1132
Sieved Date: 05/20/2015 1139

Analysis Batch: 580-190150
Prep Batch: 580-190072
Sieved Batch: 580-189945

Instrument ID: SEA044
Lab File ID: 054SMPL.D
Initial Weight/Volume: 1.1756 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 580-49777-25
Client Matrix: Solid
Dilution: 50
Analysis Date: 05/21/2015 1551
Prep Date: 05/21/2015 1132
Sieved Date: 05/20/2015 1139

Analysis Batch: 580-190150
Prep Batch: 580-190072
Sieved Batch: 580-189945

Instrument ID: SEA044
Lab File ID: 055SMPL.D
Initial Weight/Volume: 1.1359 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	103	113	80 - 120	11	20		
Lead	123	179	80 - 120	12	20	F1	F1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-190072**

**Method: 6020
Preparation: 3050B**

MS Lab Sample ID: 580-49777-25
Client Matrix: Solid
Dilution: 50
Analysis Date: 05/21/2015 1547
Prep Date: 05/21/2015 1132
Sieved Date: 05/20/2015 1139

Units: mg/Kg

MSD Lab Sample ID: 580-49777-25
Client Matrix: Solid
Dilution: 50
Analysis Date: 05/21/2015 1551
Prep Date: 05/21/2015 1132
Sieved Date: 05/20/2015 1139

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS		MSD	
				Result/Qual		Result/Qual	
Arsenic	46	216	224	269		300	
Lead	200	54.1	56.0	266	F1	299	F1

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Serial Dilution - Batch: 580-190072

Method: 6020
Preparation: 3050B

Lab Sample ID: 580-49777-25
Client Matrix: Solid
Dilution: 50
Analysis Date: 05/21/2015 1534
Prep Date: 05/21/2015 1132
Sieved Date: 05/20/2015 1139

Analysis Batch: 580-190150
Prep Batch: 580-190072
Sieved Batch: 580-189945
Units: mg/Kg

Instrument ID: SEA044
Lab File ID: 051SMPL.D
Initial Weight/Volume: 1.1666 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	46	46.6	0.31	10	
Lead	200	187	6.0	10	

Duplicate - Batch: 580-190072

Method: 6020
Preparation: 3050B

Lab Sample ID: 580-49777-25
Client Matrix: Solid
Dilution: 10
Analysis Date: 05/21/2015 1543
Prep Date: 05/21/2015 1132
Sieved Date: 05/20/2015 1139

Analysis Batch: 580-190150
Prep Batch: 580-190072
Sieved Batch: 580-189945
Units: mg/Kg

Instrument ID: SEA044
Lab File ID: 053SMPL.D
Initial Weight/Volume: 1.1370 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	46	46.5	0.2	20	
Lead	200	202	1	20	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Method Blank - Batch: 580-190088

Method: 6020
Preparation: 3050B

Lab Sample ID: MB 580-190088/14-A	Analysis Batch: 580-190150	Instrument ID: SEA044
Client Matrix: Solid	Prep Batch: 580-190088	Lab File ID: 115SMPL.D
Dilution: 10	Sieved Batch: N/A	Initial Weight/Volume: 1.0 g
Analysis Date: 05/21/2015 2009	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 05/21/2015 1227		
Sieved Date: N/A		

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.18	0.50
Lead	ND		0.048	0.50

LCS-Certified Reference Material - Batch: 580-190088

Method: 6020
Preparation: 3050B

Lab Sample ID: LCSSRM 580-190088/17-	Analysis Batch: 580-190150	Instrument ID: SEA044
Client Matrix: Solid	Prep Batch: 580-190088	Lab File ID: 118SMPL.D
Dilution: 50	Sieved Batch: N/A	Initial Weight/Volume: 0.5052 g
Analysis Date: 05/21/2015 2022	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 05/21/2015 1227		
Sieved Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	139	134	96.5	70.4 - 140.3	
Lead	133	131	98.2	72.9 - 127.8	

Lab Control Sample/

Method: 6020
Preparation: 3050B

Lab Control Sample Duplicate Recovery Report - Batch: 580-190088

LCS Lab Sample ID: LCS 580-190088/15-A	Analysis Batch: 580-190150	Instrument ID: SEA044
Client Matrix: Solid	Prep Batch: 580-190088	Lab File ID: 116SMPL.D
Dilution: 50	Sieved Batch: N/A	Initial Weight/Volume: 1.0 g
Analysis Date: 05/21/2015 2014	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 05/21/2015 1227		
Sieved Date: N/A		

LCSD Lab Sample ID: LCSD 580-190088/16-A	Analysis Batch: 580-190150	Instrument ID: SEA044
Client Matrix: Solid	Prep Batch: 580-190088	Lab File ID: 117SMPL.D
Dilution: 50	Sieved Batch: N/A	Initial Weight/Volume: 1.0 g
Analysis Date: 05/21/2015 2018	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 05/21/2015 1227		
Sieved Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	94	92	80 - 120	2	20		
Lead	94	94	80 - 120	0	20		

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-190088**

**Method: 6020
Preparation: 3050B**

LCS Lab Sample ID: LCS 580-190088/15-A Units: mg/Kg
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 05/21/2015 2014
 Prep Date: 05/21/2015 1227
 Sieved Date: N/A

LCSD Lab Sample ID: LCSD 580-190088/16-A
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 05/21/2015 2018
 Prep Date: 05/21/2015 1227
 Sieved Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	200	200	188	184
Lead	50.0	50.0	47.2	47.1

Post Digestion Spike - Batch: 580-190088

**Method: 6020
Preparation: 3050B**

Lab Sample ID: 580-49777-39
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 05/21/2015 2048
 Prep Date: 05/21/2015 1227
 Sieved Date: 05/20/2015 1142

Analysis Batch: 580-190150
 Prep Batch: 580-190088
 Sieved Batch: 580-189945
 Units: mg/Kg

Instrument ID: SEA044
 Lab File ID: 124SMPL.D
 Initial Weight/Volume: 1.0398 g
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	31	237	258	96	75 - 125	
Lead	150	59.2	181	61	75 - 125	W

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-190088**

**Method: 6020
Preparation: 3050B**

MS Lab Sample ID: 580-49777-39
Client Matrix: Solid
Dilution: 50
Analysis Date: 05/21/2015 2039
Prep Date: 05/21/2015 1227
Sieved Date: 05/20/2015 1142

Analysis Batch: 580-190150
Prep Batch: 580-190088
Sieved Batch: 580-189945

Instrument ID: SEA044
Lab File ID: 122SMPL.D
Initial Weight/Volume: 1.0345 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 580-49777-39
Client Matrix: Solid
Dilution: 50
Analysis Date: 05/21/2015 2044
Prep Date: 05/21/2015 1227
Sieved Date: 05/20/2015 1142

Analysis Batch: 580-190150
Prep Batch: 580-190088
Sieved Batch: 580-189945

Instrument ID: SEA044
Lab File ID: 123SMPL.D
Initial Weight/Volume: 1.0437 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	100	104	80 - 120	3	20		
Lead	91	108	80 - 120	5	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-190088**

**Method: 6020
Preparation: 3050B**

MS Lab Sample ID: 580-49777-39
Client Matrix: Solid
Dilution: 50
Analysis Date: 05/21/2015 2039
Prep Date: 05/21/2015 1227
Sieved Date: 05/20/2015 1142

Units: mg/Kg

MSD Lab Sample ID: 580-49777-39
Client Matrix: Solid
Dilution: 50
Analysis Date: 05/21/2015 2044
Prep Date: 05/21/2015 1227
Sieved Date: 05/20/2015 1142

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	31	238	236	270	277
Lead	150	59.6	59.0	199	209

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Serial Dilution - Batch: 580-190088

Method: 6020
Preparation: 3050B

Lab Sample ID: 580-49777-39
Client Matrix: Solid
Dilution: 50
Analysis Date: 05/21/2015 2026
Prep Date: 05/21/2015 1227
Sieved Date: 05/20/2015 1142

Analysis Batch: 580-190150
Prep Batch: 580-190088
Sieved Batch: 580-189945
Units: mg/Kg

Instrument ID: SEA044
Lab File ID: 119SMPL.D
Initial Weight/Volume: 1.0398 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	31	31.8	0.85	10	
Lead	150	131	9.7	10	

Duplicate - Batch: 580-190088

Method: 6020
Preparation: 3050B

Lab Sample ID: 580-49777-39
Client Matrix: Solid
Dilution: 10
Analysis Date: 05/21/2015 2035
Prep Date: 05/21/2015 1227
Sieved Date: 05/20/2015 1142

Analysis Batch: 580-190150
Prep Batch: 580-190088
Sieved Batch: 580-189945
Units: mg/Kg

Instrument ID: SEA044
Lab File ID: 121SMPL.D
Initial Weight/Volume: 1.0626 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	31	31.9	1	20	
Lead	150	146	0.2	20	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Method Blank - Batch: 580-189601

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 580-189601/24-A	Analysis Batch: 580-189705	Instrument ID: TAC104
Client Matrix: Water	Prep Batch: 580-189601	Lab File ID: 189601-TAC104-FCW.C
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 05/18/2015 1136	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1714		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00041	0.0020

LCS-Certified Reference Material - Batch: 580-189601

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCSSRM 580-189601/27-	Analysis Batch: 580-189705	Instrument ID: TAC104
Client Matrix: Water	Prep Batch: 580-189601	Lab File ID: 189601-TAC104-FCW.C
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 05/18/2015 1143	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1714		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.0200	0.0205	103	75 - 125	

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 580-189601

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID: LCS 580-189601/25-A	Analysis Batch: 580-189705	Instrument ID: TAC104
Client Matrix: Water	Prep Batch: 580-189601	Lab File ID: 189601-TAC104-FCW.C
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 05/18/2015 1138	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1714		
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 580-189601/26-A	Analysis Batch: 580-189705	Instrument ID: TAC104
Client Matrix: Water	Prep Batch: 580-189601	Lab File ID: 189601-TAC104-FCW.C
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 05/18/2015 1140	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1714		
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Mercury	107	107	80 - 120	0	20		

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-189601**

**Method: 7470A
Preparation: 7470A**

LCS Lab Sample ID: LCS 580-189601/25-A Units: mg/L
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/18/2015 1138
 Prep Date: 05/15/2015 1714
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 580-189601/26-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/18/2015 1140
 Prep Date: 05/15/2015 1714
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	0.0200	0.0200	0.0214	0.0215

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-189601**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-49777-1
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/18/2015 1150
 Prep Date: 05/15/2015 1714
 Leach Date: 05/14/2015 1805

Analysis Batch: 580-189705
 Prep Batch: 580-189601
 Leach Batch: 580-189464

Instrument ID: TAC104
 Lab File ID: 189601-TAC104-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 580-49777-1
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/18/2015 1152
 Prep Date: 05/15/2015 1714
 Leach Date: 05/14/2015 1805

Analysis Batch: 580-189705
 Prep Batch: 580-189601
 Leach Batch: 580-189464

Instrument ID: TAC104
 Lab File ID: 189601-TAC104-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	107	107	80 - 120	0	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-189601**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-49777-1 Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/18/2015 1150
 Prep Date: 05/15/2015 1714
 Leach Date: 05/14/2015 1805

MSD Lab Sample ID: 580-49777-1
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/18/2015 1152
 Prep Date: 05/15/2015 1714
 Leach Date: 05/14/2015 1805

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	ND	0.0200	0.0200	0.0214	0.0213

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Duplicate - Batch: 580-189601

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: 580-49777-1	Analysis Batch: 580-189705	Instrument ID: TAC104
Client Matrix: Solid	Prep Batch: 580-189601	Lab File ID: 189601-TAC104-FCW.C
Dilution: 1.0	Leach Batch: 580-189464	Initial Weight/Volume: 5 mL
Analysis Date: 05/18/2015 1148	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/15/2015 1714		
Leach Date: 05/14/2015 1805		

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	ND	ND	NC	20	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Method Blank - Batch: 580-189706

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 580-189706/11-A	Analysis Batch: 580-189735	Instrument ID: TAC104
Client Matrix: Water	Prep Batch: 580-189706	Lab File ID: 189698-TAC104-FCW.C
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 05/18/2015 1653	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/18/2015 1405		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00041	0.0020

LCS-Certified Reference Material - Batch: 580-189706

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCSSRM 580-189706/14-	Analysis Batch: 580-189735	Instrument ID: TAC104
Client Matrix: Water	Prep Batch: 580-189706	Lab File ID: 189698-TAC104-FCW.C
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 05/18/2015 1701	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/18/2015 1405		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.0200	0.0199	100	75 - 125	

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-189706**

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID: LCS 580-189706/12-A	Analysis Batch: 580-189735	Instrument ID: TAC104
Client Matrix: Water	Prep Batch: 580-189706	Lab File ID: 189698-TAC104-FCW.C
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 05/18/2015 1656	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/18/2015 1405		
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 580-189706/13-A	Analysis Batch: 580-189735	Instrument ID: TAC104
Client Matrix: Water	Prep Batch: 580-189706	Lab File ID: 189698-TAC104-FCW.C
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 05/18/2015 1658	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/18/2015 1405		
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Mercury	98	103	80 - 120	6	20		

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-189706**

**Method: 7470A
Preparation: 7470A**

LCS Lab Sample ID: LCS 580-189706/12-A Units: mg/L
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/18/2015 1656
 Prep Date: 05/18/2015 1405
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 580-189706/13-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/18/2015 1658
 Prep Date: 05/18/2015 1405
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	0.0200	0.0200	0.0195	0.0206

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-189706**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-49777-18
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/18/2015 1713
 Prep Date: 05/18/2015 1405
 Leach Date: 05/17/2015 1325

Analysis Batch: 580-189735
 Prep Batch: 580-189706
 Leach Batch: 580-189636

Instrument ID: TAC104
 Lab File ID: 189698-TAC104-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 580-49777-18
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/18/2015 1715
 Prep Date: 05/18/2015 1405
 Leach Date: 05/17/2015 1325

Analysis Batch: 580-189735
 Prep Batch: 580-189706
 Leach Batch: 580-189636

Instrument ID: TAC104
 Lab File ID: 189698-TAC104-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.			RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD	Limit				
Mercury	103	102	80 - 120	1	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-189706**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-49777-18 Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/18/2015 1713
 Prep Date: 05/18/2015 1405
 Leach Date: 05/17/2015 1325

MSD Lab Sample ID: 580-49777-18
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/18/2015 1715
 Prep Date: 05/18/2015 1405
 Leach Date: 05/17/2015 1325

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	ND	0.0200	0.0200	0.0206	0.0204

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Duplicate - Batch: 580-189706

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: 580-49777-18	Analysis Batch: 580-189735	Instrument ID: TAC104
Client Matrix: Solid	Prep Batch: 580-189706	Lab File ID: 189698-TAC104-FCW.C
Dilution: 1.0	Leach Batch: 580-189636	Initial Weight/Volume: 5 mL
Analysis Date: 05/18/2015 1710	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 05/18/2015 1405		
Leach Date: 05/17/2015 1325		

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	ND	ND	NC	20	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Duplicate - Batch: 580-189716

Method: 160.3
Preparation: N/A

Lab Sample ID:	580-49777-19	Analysis Batch:	580-189716	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/18/2015 1520	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	79	80	1	20	
Percent Moisture	21	20	6	20	

DATA REPORTING QUALIFIERS

Client: Leidos, Inc.

Job Number: 580-49777-1

Lab Section	Qualifier	Description
Metals		
	B	Compound was found in the blank and sample.
	F1	MS and/or MSD Recovery is outside acceptance limits.
	W	PS: Post-digestion spike was outside control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	H	Sample was prepped or analyzed beyond the specified holding time

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 580-189464					
LCS 580-189464/2-C	Lab Control Sample	P	Solid	1311	
LCSD 580-189464/3-C	Lab Control Sample Duplicate	P	Solid	1311	
MB 580-189464/1-C	Method Blank	P	Solid	1311	
580-49777-1	TCLP-351-A	P	Solid	1311	
580-49777-1DU	Duplicate	P	Solid	1311	
580-49777-1MS	Matrix Spike	P	Solid	1311	
580-49777-1MSD	Matrix Spike Duplicate	P	Solid	1311	
580-49777-2	TCLP-361-A	P	Solid	1311	
580-49777-3	TCLP-350-A	P	Solid	1311	
580-49777-4	TCLP-350-B	P	Solid	1311	
580-49777-5	TCLP-358-A	P	Solid	1311	
580-49777-6	TCLP-358-B	P	Solid	1311	
580-49777-7	TCLP-359-A	P	Solid	1311	
580-49777-8	TCLP-365-A	P	Solid	1311	
580-49777-9	TCLP-352-B	P	Solid	1311	
580-49777-10	TCLP-352-A	P	Solid	1311	
580-49777-11	TCLP-362-A	P	Solid	1311	
580-49777-12	TCLP-365-B	P	Solid	1311	
580-49777-13	TCLP-356-A	P	Solid	1311	
580-49777-14	TCLP-363-A	P	Solid	1311	
Prep Batch: 580-189598					
LCSSRM 580-189598/27-A	LCS-Certified Reference Material	T	Water	3010A	
LCS 580-189464/2-C	Lab Control Sample	P	Solid	3010A	580-189464
LCSD 580-189464/3-C	Lab Control Sample Duplicate	P	Solid	3010A	580-189464
MB 580-189464/1-C	Method Blank	P	Solid	3010A	580-189464
580-49777-1	TCLP-351-A	P	Solid	3010A	580-189464
580-49777-1DU	Duplicate	P	Solid	3010A	580-189464
580-49777-1MS	Matrix Spike	P	Solid	3010A	580-189464
580-49777-1MSD	Matrix Spike Duplicate	P	Solid	3010A	580-189464
580-49777-2	TCLP-361-A	P	Solid	3010A	580-189464
580-49777-3	TCLP-350-A	P	Solid	3010A	580-189464
580-49777-4	TCLP-350-B	P	Solid	3010A	580-189464
580-49777-5	TCLP-358-A	P	Solid	3010A	580-189464
580-49777-6	TCLP-358-B	P	Solid	3010A	580-189464
580-49777-7	TCLP-359-A	P	Solid	3010A	580-189464
580-49777-8	TCLP-365-A	P	Solid	3010A	580-189464
580-49777-9	TCLP-352-B	P	Solid	3010A	580-189464
580-49777-10	TCLP-352-A	P	Solid	3010A	580-189464
580-49777-11	TCLP-362-A	P	Solid	3010A	580-189464
580-49777-12	TCLP-365-B	P	Solid	3010A	580-189464
580-49777-13	TCLP-356-A	P	Solid	3010A	580-189464
580-49777-14	TCLP-363-A	P	Solid	3010A	580-189464

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 580-189601					
LCS 580-189601/25-A	Lab Control Sample	T	Water	7470A	
LCSD 580-189601/26-A	Lab Control Sample Duplicate	T	Water	7470A	
LCSSRM 580-189601/27-A	LCS-Certified Reference Material	T	Water	7470A	
MB 580-189601/24-A	Method Blank	T	Water	7470A	
580-49777-1	TCLP-351-A	P	Solid	7470A	580-189464
580-49777-1DU	Duplicate	P	Solid	7470A	580-189464
580-49777-1MS	Matrix Spike	P	Solid	7470A	580-189464
580-49777-1MSD	Matrix Spike Duplicate	P	Solid	7470A	580-189464
580-49777-2	TCLP-361-A	P	Solid	7470A	580-189464
580-49777-3	TCLP-350-A	P	Solid	7470A	580-189464
580-49777-4	TCLP-350-B	P	Solid	7470A	580-189464
580-49777-5	TCLP-358-A	P	Solid	7470A	580-189464
580-49777-6	TCLP-358-B	P	Solid	7470A	580-189464
580-49777-7	TCLP-359-A	P	Solid	7470A	580-189464
580-49777-8	TCLP-365-A	P	Solid	7470A	580-189464
580-49777-9	TCLP-352-B	P	Solid	7470A	580-189464
580-49777-10	TCLP-352-A	P	Solid	7470A	580-189464
580-49777-11	TCLP-362-A	P	Solid	7470A	580-189464
580-49777-12	TCLP-365-B	P	Solid	7470A	580-189464
580-49777-13	TCLP-356-A	P	Solid	7470A	580-189464
580-49777-14	TCLP-363-A	P	Solid	7470A	580-189464
Prep Batch: 580-189636					
LCS 580-189636/2-B	Lab Control Sample	P	Solid	1311	
LCSD 580-189636/3-B	Lab Control Sample Duplicate	P	Solid	1311	
MB 580-189636/1-B	Method Blank	P	Solid	1311	
580-49777-15	TCLP-370-A	P	Solid	1311	
580-49777-16	TCLP-364-A	P	Solid	1311	
580-49777-17	TCLP-370-B	P	Solid	1311	
580-49777-18	TCLP-371-A	P	Solid	1311	
580-49777-18DU	Duplicate	P	Solid	1311	
580-49777-18MS	Matrix Spike	P	Solid	1311	
580-49777-18MSD	Matrix Spike Duplicate	P	Solid	1311	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 580-189703					
LCSSRM 580-189703/14-A	LCS-Certified Reference Material	T	Water	3010A	
LCS 580-189636/2-B	Lab Control Sample	P	Solid	3010A	580-189636
LCSD 580-189636/3-B	Lab Control Sample Duplicate	P	Solid	3010A	580-189636
MB 580-189636/1-B	Method Blank	P	Solid	3010A	580-189636
580-49777-15	TCLP-370-A	P	Solid	3010A	580-189636
580-49777-16	TCLP-364-A	P	Solid	3010A	580-189636
580-49777-17	TCLP-370-B	P	Solid	3010A	580-189636
580-49777-18	TCLP-371-A	P	Solid	3010A	580-189636
580-49777-18DU	Duplicate	P	Solid	3010A	580-189636
580-49777-18MS	Matrix Spike	P	Solid	3010A	580-189636
580-49777-18MSD	Matrix Spike Duplicate	P	Solid	3010A	580-189636
Analysis Batch:580-189705					
LCS 580-189601/25-A	Lab Control Sample	T	Water	7470A	580-189601
LCSD 580-189601/26-A	Lab Control Sample Duplicate	T	Water	7470A	580-189601
LCSSRM 580-189601/27-A	LCS-Certified Reference Material	T	Water	7470A	580-189601
MB 580-189601/24-A	Method Blank	T	Water	7470A	580-189601
580-49777-1	TCLP-351-A	P	Solid	7470A	580-189601
580-49777-1DU	Duplicate	P	Solid	7470A	580-189601
580-49777-1MS	Matrix Spike	P	Solid	7470A	580-189601
580-49777-1MSD	Matrix Spike Duplicate	P	Solid	7470A	580-189601
580-49777-2	TCLP-361-A	P	Solid	7470A	580-189601
580-49777-3	TCLP-350-A	P	Solid	7470A	580-189601
580-49777-4	TCLP-350-B	P	Solid	7470A	580-189601
580-49777-5	TCLP-358-A	P	Solid	7470A	580-189601
580-49777-6	TCLP-358-B	P	Solid	7470A	580-189601
580-49777-7	TCLP-359-A	P	Solid	7470A	580-189601
580-49777-8	TCLP-365-A	P	Solid	7470A	580-189601
580-49777-9	TCLP-352-B	P	Solid	7470A	580-189601
580-49777-10	TCLP-352-A	P	Solid	7470A	580-189601
580-49777-11	TCLP-362-A	P	Solid	7470A	580-189601
580-49777-12	TCLP-365-B	P	Solid	7470A	580-189601
580-49777-13	TCLP-356-A	P	Solid	7470A	580-189601
580-49777-14	TCLP-363-A	P	Solid	7470A	580-189601

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 580-189706					
LCS 580-189706/12-A	Lab Control Sample	T	Water	7470A	
LCSD 580-189706/13-A	Lab Control Sample Duplicate	T	Water	7470A	
LCSSRM 580-189706/14-A	LCS-Certified Reference Material	T	Water	7470A	
MB 580-189706/11-A	Method Blank	T	Water	7470A	
580-49777-15	TCLP-370-A	P	Solid	7470A	580-189636
580-49777-16	TCLP-364-A	P	Solid	7470A	580-189636
580-49777-17	TCLP-370-B	P	Solid	7470A	580-189636
580-49777-18	TCLP-371-A	P	Solid	7470A	580-189636
580-49777-18DU	Duplicate	P	Solid	7470A	580-189636
580-49777-18MS	Matrix Spike	P	Solid	7470A	580-189636
580-49777-18MSD	Matrix Spike Duplicate	P	Solid	7470A	580-189636
Analysis Batch:580-189727					
LCS 580-189464/2-C	Lab Control Sample	P	Solid	6010B	580-189598
LCSD 580-189464/3-C	Lab Control Sample Duplicate	P	Solid	6010B	580-189598
MB 580-189464/1-C	Method Blank	P	Solid	6010B	580-189598
LCSSRM 580-189598/27-A	LCS-Certified Reference Material	T	Water	6010B	580-189598
580-49777-1	TCLP-351-A	P	Solid	6010B	580-189598
580-49777-1DU	Duplicate	P	Solid	6010B	580-189598
580-49777-1MS	Matrix Spike	P	Solid	6010B	580-189598
580-49777-1MSD	Matrix Spike Duplicate	P	Solid	6010B	580-189598
580-49777-2	TCLP-361-A	P	Solid	6010B	580-189598
580-49777-3	TCLP-350-A	P	Solid	6010B	580-189598
580-49777-4	TCLP-350-B	P	Solid	6010B	580-189598
580-49777-5	TCLP-358-A	P	Solid	6010B	580-189598
580-49777-6	TCLP-358-B	P	Solid	6010B	580-189598
580-49777-7	TCLP-359-A	P	Solid	6010B	580-189598
580-49777-8	TCLP-365-A	P	Solid	6010B	580-189598
580-49777-9	TCLP-352-B	P	Solid	6010B	580-189598
580-49777-10	TCLP-352-A	P	Solid	6010B	580-189598
580-49777-11	TCLP-362-A	P	Solid	6010B	580-189598
580-49777-12	TCLP-365-B	P	Solid	6010B	580-189598
580-49777-13	TCLP-356-A	P	Solid	6010B	580-189598
580-49777-14	TCLP-363-A	P	Solid	6010B	580-189598

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:580-189735					
LCS 580-189706/12-A	Lab Control Sample	T	Water	7470A	580-189706
LCSD 580-189706/13-A	Lab Control Sample Duplicate	T	Water	7470A	580-189706
LCSSRM 580-189706/14-A	LCS-Certified Reference Material	T	Water	7470A	580-189706
MB 580-189706/11-A	Method Blank	T	Water	7470A	580-189706
580-49777-15	TCLP-370-A	P	Solid	7470A	580-189706
580-49777-16	TCLP-364-A	P	Solid	7470A	580-189706
580-49777-17	TCLP-370-B	P	Solid	7470A	580-189706
580-49777-18	TCLP-371-A	P	Solid	7470A	580-189706
580-49777-18DU	Duplicate	P	Solid	7470A	580-189706
580-49777-18MS	Matrix Spike	P	Solid	7470A	580-189706
580-49777-18MSD	Matrix Spike Duplicate	P	Solid	7470A	580-189706
Analysis Batch:580-189888					
LCS 580-189636/2-B	Lab Control Sample	P	Solid	6010B	580-189703
LCSD 580-189636/3-B	Lab Control Sample Duplicate	P	Solid	6010B	580-189703
MB 580-189636/1-B	Method Blank	P	Solid	6010B	580-189703
LCSSRM 580-189703/14-A	LCS-Certified Reference Material	T	Water	6010B	580-189703
580-49777-15	TCLP-370-A	P	Solid	6010B	580-189703
580-49777-16	TCLP-364-A	P	Solid	6010B	580-189703
580-49777-17	TCLP-370-B	P	Solid	6010B	580-189703
580-49777-18	TCLP-371-A	P	Solid	6010B	580-189703
580-49777-18DU	Duplicate	P	Solid	6010B	580-189703
580-49777-18MS	Matrix Spike	P	Solid	6010B	580-189703
580-49777-18MSD	Matrix Spike Duplicate	P	Solid	6010B	580-189703

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 580-189945					
580-49777-19	351-A-05-B-1	T	Solid	Sieve	
580-49777-19DU	Duplicate	T	Solid	Sieve	
580-49777-19MS	Matrix Spike	T	Solid	Sieve	
580-49777-19MSD	Matrix Spike Duplicate	T	Solid	Sieve	
580-49777-20	361-A-01-D-1	T	Solid	Sieve	
580-49777-21	361-A-04-B-1	T	Solid	Sieve	
580-49777-22	350-A-06-B-1	T	Solid	Sieve	
580-49777-23	350-A-07-A-1	T	Solid	Sieve	
580-49777-24	350-B-04-B-1	T	Solid	Sieve	
580-49777-25	358-A-04-B-1	T	Solid	Sieve	
580-49777-25DU	Duplicate	T	Solid	Sieve	
580-49777-25MS	Matrix Spike	T	Solid	Sieve	
580-49777-25MSD	Matrix Spike Duplicate	T	Solid	Sieve	
580-49777-26	358-B-02-B-1	T	Solid	Sieve	
580-49777-27	359-A-03-B-1	T	Solid	Sieve	
580-49777-28	359-A-08-B-1	T	Solid	Sieve	
580-49777-29	COMP-359-X-A	T	Solid	Sieve	
580-49777-30	365-A-01-B-1	T	Solid	Sieve	
580-49777-31	352-B-01-B-1	T	Solid	Sieve	
580-49777-32	COMP-352-X-A	T	Solid	Sieve	
580-49777-33	352-A-02-B-1	T	Solid	Sieve	
580-49777-34	362-A-06-B-1	T	Solid	Sieve	
580-49777-35	362-A-04-B-1	T	Solid	Sieve	
580-49777-36	365-B-03-B-1	T	Solid	Sieve	
580-49777-37	365-B-03-A-1	T	Solid	Sieve	
580-49777-38	COMP-365-B-X-A	T	Solid	Sieve	
580-49777-39	356-A-03-B-1	T	Solid	Sieve	
580-49777-39DU	Duplicate	T	Solid	Sieve	
580-49777-39MS	Matrix Spike	T	Solid	Sieve	
580-49777-39MSD	Matrix Spike Duplicate	T	Solid	Sieve	
580-49777-40	356-A-06-B-1	T	Solid	Sieve	
580-49777-41	363-A-04-B-1	T	Solid	Sieve	
580-49777-42	363-A-08-B-1	T	Solid	Sieve	
580-49777-43	370-A-01-B-1	T	Solid	Sieve	
580-49777-44	364-A-05-B-1	T	Solid	Sieve	
580-49777-45	370-B-04-B	T	Solid	Sieve	
580-49777-46	364-A-07-B-1	T	Solid	Sieve	
580-49777-47	371-A-04-B	T	Solid	Sieve	
580-49777-48	371-A-06-B	T	Solid	Sieve	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 580-189961					
LCS 580-189961/21-A	Lab Control Sample	T	Solid	3050B	
LCSD 580-189961/22-A	Lab Control Sample Duplicate	T	Solid	3050B	
LCSSRM 580-189961/23-A	LCS-Certified Reference Material	T	Solid	3050B	
MB 580-189961/20-A	Method Blank	T	Solid	3050B	
580-49777-19	351-A-05-B-1	T	Solid	3050B	580-189945
580-49777-19DU	Duplicate	T	Solid	3050B	580-189945
580-49777-19MS	Matrix Spike	T	Solid	3050B	580-189945
580-49777-19MSD	Matrix Spike Duplicate	T	Solid	3050B	580-189945
580-49777-20	361-A-01-D-1	T	Solid	3050B	580-189945
580-49777-21	361-A-04-B-1	T	Solid	3050B	580-189945
580-49777-22	350-A-06-B-1	T	Solid	3050B	580-189945
580-49777-23	350-A-07-A-1	T	Solid	3050B	580-189945
580-49777-24	350-B-04-B-1	T	Solid	3050B	580-189945
Analysis Batch:580-190067					
LCS 580-189961/21-A	Lab Control Sample	T	Solid	6020	580-189961
LCSD 580-189961/22-A	Lab Control Sample Duplicate	T	Solid	6020	580-189961
LCSSRM 580-189961/23-A	LCS-Certified Reference Material	T	Solid	6020	580-189961
MB 580-189961/20-A	Method Blank	T	Solid	6020	580-189961
580-49777-19	351-A-05-B-1	T	Solid	6020	580-189961
580-49777-19DU	Duplicate	T	Solid	6020	580-189961
580-49777-19MS	Matrix Spike	T	Solid	6020	580-189961
580-49777-19MSD	Matrix Spike Duplicate	T	Solid	6020	580-189961
580-49777-20	361-A-01-D-1	T	Solid	6020	580-189961
580-49777-21	361-A-04-B-1	T	Solid	6020	580-189961
580-49777-22	350-A-06-B-1	T	Solid	6020	580-189961
580-49777-23	350-A-07-A-1	T	Solid	6020	580-189961
580-49777-24	350-B-04-B-1	T	Solid	6020	580-189961

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 580-190072					
LCS 580-190072/20-A	Lab Control Sample	T	Solid	3050B	
LCSD 580-190072/21-A	Lab Control Sample Duplicate	T	Solid	3050B	
LCSSRM 580-190072/22-A	LCS-Certified Reference Material	T	Solid	3050B	
MB 580-190072/19-A	Method Blank	T	Solid	3050B	
580-49777-25	358-A-04-B-1	T	Solid	3050B	580-189945
580-49777-25DU	Duplicate	T	Solid	3050B	580-189945
580-49777-25MS	Matrix Spike	T	Solid	3050B	580-189945
580-49777-25MSD	Matrix Spike Duplicate	T	Solid	3050B	580-189945
580-49777-26	358-B-02-B-1	T	Solid	3050B	580-189945
580-49777-27	359-A-03-B-1	T	Solid	3050B	580-189945
580-49777-28	359-A-08-B-1	T	Solid	3050B	580-189945
580-49777-29	COMP-359-X-A	T	Solid	3050B	580-189945
580-49777-30	365-A-01-B-1	T	Solid	3050B	580-189945
580-49777-31	352-B-01-B-1	T	Solid	3050B	580-189945
580-49777-32	COMP-352-X-A	T	Solid	3050B	580-189945
580-49777-33	352-A-02-B-1	T	Solid	3050B	580-189945
580-49777-34	362-A-06-B-1	T	Solid	3050B	580-189945
580-49777-35	362-A-04-B-1	T	Solid	3050B	580-189945
580-49777-36	365-B-03-B-1	T	Solid	3050B	580-189945
580-49777-37	365-B-03-A-1	T	Solid	3050B	580-189945
580-49777-38	COMP-365-B-X-A	T	Solid	3050B	580-189945
Prep Batch: 580-190088					
LCS 580-190088/15-A	Lab Control Sample	T	Solid	3050B	
LCSD 580-190088/16-A	Lab Control Sample Duplicate	T	Solid	3050B	
LCSSRM 580-190088/17-A	LCS-Certified Reference Material	T	Solid	3050B	
MB 580-190088/14-A	Method Blank	T	Solid	3050B	
580-49777-39	356-A-03-B-1	T	Solid	3050B	580-189945
580-49777-39DU	Duplicate	T	Solid	3050B	580-189945
580-49777-39MS	Matrix Spike	T	Solid	3050B	580-189945
580-49777-39MSD	Matrix Spike Duplicate	T	Solid	3050B	580-189945
580-49777-40	356-A-06-B-1	T	Solid	3050B	580-189945
580-49777-41	363-A-04-B-1	T	Solid	3050B	580-189945
580-49777-42	363-A-08-B-1	T	Solid	3050B	580-189945
580-49777-43	370-A-01-B-1	T	Solid	3050B	580-189945
580-49777-44	364-A-05-B-1	T	Solid	3050B	580-189945
580-49777-45	370-B-04-B	T	Solid	3050B	580-189945
580-49777-46	364-A-07-B-1	T	Solid	3050B	580-189945
580-49777-47	371-A-04-B	T	Solid	3050B	580-189945
580-49777-48	371-A-06-B	T	Solid	3050B	580-189945

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:580-190150					
LCS 580-190072/20-A	Lab Control Sample	T	Solid	6020	580-190072
LCSD 580-190072/21-A	Lab Control Sample Duplicate	T	Solid	6020	580-190072
LCSSRM 580-190072/22-A	LCS-Certified Reference Material	T	Solid	6020	580-190072
MB 580-190072/19-A	Method Blank	T	Solid	6020	580-190072
LCS 580-190088/15-A	Lab Control Sample	T	Solid	6020	580-190088
LCSD 580-190088/16-A	Lab Control Sample Duplicate	T	Solid	6020	580-190088
LCSSRM 580-190088/17-A	LCS-Certified Reference Material	T	Solid	6020	580-190088
MB 580-190088/14-A	Method Blank	T	Solid	6020	580-190088
580-49777-25	358-A-04-B-1	T	Solid	6020	580-190072
580-49777-25DU	Duplicate	T	Solid	6020	580-190072
580-49777-25MS	Matrix Spike	T	Solid	6020	580-190072
580-49777-25MSD	Matrix Spike Duplicate	T	Solid	6020	580-190072
580-49777-26	358-B-02-B-1	T	Solid	6020	580-190072
580-49777-27	359-A-03-B-1	T	Solid	6020	580-190072
580-49777-28	359-A-08-B-1	T	Solid	6020	580-190072
580-49777-29	COMP-359-X-A	T	Solid	6020	580-190072
580-49777-30	365-A-01-B-1	T	Solid	6020	580-190072
580-49777-31	352-B-01-B-1	T	Solid	6020	580-190072
580-49777-32	COMP-352-X-A	T	Solid	6020	580-190072
580-49777-33	352-A-02-B-1	T	Solid	6020	580-190072
580-49777-34	362-A-06-B-1	T	Solid	6020	580-190072
580-49777-35	362-A-04-B-1	T	Solid	6020	580-190072
580-49777-36	365-B-03-B-1	T	Solid	6020	580-190072
580-49777-37	365-B-03-A-1	T	Solid	6020	580-190072
580-49777-38	COMP-365-B-X-A	T	Solid	6020	580-190072
580-49777-39	356-A-03-B-1	T	Solid	6020	580-190088
580-49777-39DU	Duplicate	T	Solid	6020	580-190088
580-49777-39MS	Matrix Spike	T	Solid	6020	580-190088
580-49777-39MSD	Matrix Spike Duplicate	T	Solid	6020	580-190088
580-49777-40	356-A-06-B-1	T	Solid	6020	580-190088
580-49777-41	363-A-04-B-1	T	Solid	6020	580-190088
580-49777-42	363-A-08-B-1	T	Solid	6020	580-190088
580-49777-43	370-A-01-B-1	T	Solid	6020	580-190088
580-49777-44	364-A-05-B-1	T	Solid	6020	580-190088
580-49777-45	370-B-04-B	T	Solid	6020	580-190088
580-49777-46	364-A-07-B-1	T	Solid	6020	580-190088
580-49777-47	371-A-04-B	T	Solid	6020	580-190088
580-49777-48	371-A-06-B	T	Solid	6020	580-190088

Report Basis

P = TCLP

T = Total

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:580-189716					
580-49777-19	351-A-05-B-1	T	Solid	160.3	
580-49777-19DU	Duplicate	T	Solid	160.3	
580-49777-20	361-A-01-D-1	T	Solid	160.3	
580-49777-21	361-A-04-B-1	T	Solid	160.3	
580-49777-22	350-A-06-B-1	T	Solid	160.3	
580-49777-23	350-A-07-A-1	T	Solid	160.3	
580-49777-24	350-B-04-B-1	T	Solid	160.3	
580-49777-25	358-A-04-B-1	T	Solid	160.3	
580-49777-26	358-B-02-B-1	T	Solid	160.3	
580-49777-27	359-A-03-B-1	T	Solid	160.3	
580-49777-28	359-A-08-B-1	T	Solid	160.3	
580-49777-29	COMP-359-X-A	T	Solid	160.3	
580-49777-30	365-A-01-B-1	T	Solid	160.3	
580-49777-31	352-B-01-B-1	T	Solid	160.3	
Analysis Batch:580-189803					
580-49777-32	COMP-352-X-A	T	Solid	160.3	
580-49777-33	352-A-02-B-1	T	Solid	160.3	
580-49777-34	362-A-06-B-1	T	Solid	160.3	
580-49777-35	362-A-04-B-1	T	Solid	160.3	
580-49777-36	365-B-03-B-1	T	Solid	160.3	
580-49777-37	365-B-03-A-1	T	Solid	160.3	
580-49777-38	COMP-365-B-X-A	T	Solid	160.3	
580-49777-39	356-A-03-B-1	T	Solid	160.3	
580-49777-40	356-A-06-B-1	T	Solid	160.3	
580-49777-41	363-A-04-B-1	T	Solid	160.3	
580-49777-42	363-A-08-B-1	T	Solid	160.3	
580-49777-43	370-A-01-B-1	T	Solid	160.3	
580-49777-44	364-A-05-B-1	T	Solid	160.3	
580-49777-45	370-B-04-B	T	Solid	160.3	
580-49777-46	364-A-07-B-1	T	Solid	160.3	
580-49777-47	371-A-04-B	T	Solid	160.3	
580-49777-48	371-A-06-B	T	Solid	160.3	

Report Basis

T = Total

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Laboratory Chronicle

Lab ID: 580-49777-1

Client ID: TCLP-351-A

Sample Date/Time: 04/15/2015 12:30 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-49777-A-1-B		580-189727	580-189598	05/15/2015 17:06	1	TAL SEA	PAB
A:6010B	580-49777-A-1-B		580-189727	580-189598	05/18/2015 13:32	1	TAL SEA	HJM
P:7470A	580-49777-A-1-J		580-189705	580-189601	05/15/2015 17:14	1	TAL SEA	PAB
A:7470A	580-49777-A-1-J		580-189705	580-189601	05/18/2015 11:45	1	TAL SEA	FCW

Lab ID: 580-49777-1 MS

Client ID: TCLP-351-A

Sample Date/Time: 04/15/2015 12:30 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-49777-A-1-D MS		580-189727	580-189598	05/15/2015 17:06	1	TAL SEA	PAB
A:6010B	580-49777-A-1-D MS		580-189727	580-189598	05/18/2015 13:38	1	TAL SEA	HJM
P:7470A	580-49777-A-1-L MS		580-189705	580-189601	05/15/2015 17:14	1	TAL SEA	PAB
A:7470A	580-49777-A-1-L MS		580-189705	580-189601	05/18/2015 11:50	1	TAL SEA	FCW

Lab ID: 580-49777-1 MSD

Client ID: TCLP-351-A

Sample Date/Time: 04/15/2015 12:30 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-49777-A-1-E MSD		580-189727	580-189598	05/15/2015 17:06	1	TAL SEA	PAB
A:6010B	580-49777-A-1-E MSD		580-189727	580-189598	05/18/2015 13:41	1	TAL SEA	HJM
P:7470A	580-49777-A-1-M MSD		580-189705	580-189601	05/15/2015 17:14	1	TAL SEA	PAB
A:7470A	580-49777-A-1-M MSD		580-189705	580-189601	05/18/2015 11:52	1	TAL SEA	FCW

Lab ID: 580-49777-1 DU

Client ID: TCLP-351-A

Sample Date/Time: 04/15/2015 12:30 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-49777-A-1-C DU		580-189727	580-189598	05/15/2015 17:06	1	TAL SEA	PAB
A:6010B	580-49777-A-1-C DU		580-189727	580-189598	05/18/2015 13:35	1	TAL SEA	HJM
P:7470A	580-49777-A-1-K DU		580-189705	580-189601	05/15/2015 17:14	1	TAL SEA	PAB
A:7470A	580-49777-A-1-K DU		580-189705	580-189601	05/18/2015 11:48	1	TAL SEA	FCW

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Laboratory Chronicle

Lab ID: 580-49777-1 SD

Client ID: TCLP-351-A

Sample Date/Time: 04/15/2015 12:30 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-49777-A-1-B SD ^5		580-189727	580-189598	05/15/2015 17:06	5	TAL SEA	PAB
A:6010B	580-49777-A-1-B SD ^5		580-189727	580-189598	05/18/2015 13:28	5	TAL SEA	HJM
P:3010A	580-49777-A-1-B PDS		580-189727	580-189598	05/15/2015 17:06	1	TAL SEA	PAB
A:6010B	580-49777-A-1-B PDS		580-189727	580-189598	05/18/2015 13:44	1	TAL SEA	HJM

Lab ID: 580-49777-2

Client ID: TCLP-361-A

Sample Date/Time: 04/15/2015 16:04 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-49777-A-2-B		580-189727	580-189598	05/15/2015 17:06	1	TAL SEA	PAB
A:6010B	580-49777-A-2-B		580-189727	580-189598	05/18/2015 13:56	1	TAL SEA	HJM
P:7470A	580-49777-A-2-D		580-189705	580-189601	05/15/2015 17:14	1	TAL SEA	PAB
A:7470A	580-49777-A-2-D		580-189705	580-189601	05/18/2015 12:42	1	TAL SEA	FCW

Lab ID: 580-49777-3

Client ID: TCLP-350-A

Sample Date/Time: 04/17/2015 13:45 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-49777-A-3-B		580-189727	580-189598	05/15/2015 17:06	1	TAL SEA	PAB
A:6010B	580-49777-A-3-B		580-189727	580-189598	05/18/2015 13:59	1	TAL SEA	HJM
P:7470A	580-49777-A-3-D		580-189705	580-189601	05/15/2015 17:14	1	TAL SEA	PAB
A:7470A	580-49777-A-3-D		580-189705	580-189601	05/18/2015 12:02	1	TAL SEA	FCW

Lab ID: 580-49777-4

Client ID: TCLP-350-B

Sample Date/Time: 04/17/2015 16:13 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-49777-A-4-B		580-189727	580-189598	05/15/2015 17:06	1	TAL SEA	PAB
A:6010B	580-49777-A-4-B		580-189727	580-189598	05/18/2015 14:03	1	TAL SEA	HJM
P:7470A	580-49777-A-4-D		580-189705	580-189601	05/15/2015 17:14	1	TAL SEA	PAB
A:7470A	580-49777-A-4-D		580-189705	580-189601	05/18/2015 12:04	1	TAL SEA	FCW

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Laboratory Chronicle

Lab ID: 580-49777-5

Client ID: TCLP-358-A

Sample Date/Time: 04/17/2015 17:29 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	580-49777-A-5-B		580-189727	580-189598	05/15/2015	17:06	1	TAL SEA	PAB
A:6010B	580-49777-A-5-B		580-189727	580-189598	05/18/2015	14:06	1	TAL SEA	HJM
P:7470A	580-49777-A-5-D		580-189705	580-189601	05/15/2015	17:14	1	TAL SEA	PAB
A:7470A	580-49777-A-5-D		580-189705	580-189601	05/18/2015	12:07	1	TAL SEA	FCW

Lab ID: 580-49777-6

Client ID: TCLP-358-B

Sample Date/Time: 04/17/2015 18:52 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	580-49777-A-6-B		580-189727	580-189598	05/15/2015	17:06	1	TAL SEA	PAB
A:6010B	580-49777-A-6-B		580-189727	580-189598	05/18/2015	14:09	1	TAL SEA	HJM
P:7470A	580-49777-A-6-D		580-189705	580-189601	05/15/2015	17:14	1	TAL SEA	PAB
A:7470A	580-49777-A-6-D		580-189705	580-189601	05/18/2015	12:09	1	TAL SEA	FCW

Lab ID: 580-49777-7

Client ID: TCLP-359-A

Sample Date/Time: 04/21/2015 10:16 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	580-49777-A-7-B		580-189727	580-189598	05/15/2015	17:06	1	TAL SEA	PAB
A:6010B	580-49777-A-7-B		580-189727	580-189598	05/18/2015	14:13	1	TAL SEA	HJM
P:7470A	580-49777-A-7-D		580-189705	580-189601	05/15/2015	17:14	1	TAL SEA	PAB
A:7470A	580-49777-A-7-D		580-189705	580-189601	05/18/2015	12:11	1	TAL SEA	FCW

Lab ID: 580-49777-8

Client ID: TCLP-365-A

Sample Date/Time: 04/21/2015 12:07 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	580-49777-A-8-B		580-189727	580-189598	05/15/2015	17:06	1	TAL SEA	PAB
A:6010B	580-49777-A-8-B		580-189727	580-189598	05/18/2015	14:16	1	TAL SEA	HJM
P:7470A	580-49777-A-8-D		580-189705	580-189601	05/15/2015	17:14	1	TAL SEA	PAB
A:7470A	580-49777-A-8-D		580-189705	580-189601	05/18/2015	12:14	1	TAL SEA	FCW

Lab ID: 580-49777-9

Client ID: TCLP-352-B

Sample Date/Time: 04/21/2015 14:05 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	580-49777-A-9-B		580-189727	580-189598	05/15/2015	17:06	1	TAL SEA	PAB
A:6010B	580-49777-A-9-B		580-189727	580-189598	05/18/2015	14:19	1	TAL SEA	HJM
P:7470A	580-49777-A-9-D		580-189705	580-189601	05/15/2015	17:14	1	TAL SEA	PAB
A:7470A	580-49777-A-9-D		580-189705	580-189601	05/18/2015	12:16	1	TAL SEA	FCW

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Laboratory Chronicle

Lab ID: 580-49777-10

Client ID: TCLP-352-A

Sample Date/Time: 04/21/2015 15:20 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	580-49777-A-10-B		580-189727	580-189598	05/15/2015	17:06	1	TAL SEA	PAB
A:6010B	580-49777-A-10-B		580-189727	580-189598	05/18/2015	14:23	1	TAL SEA	HJM
P:7470A	580-49777-A-10-D		580-189705	580-189601	05/15/2015	17:14	1	TAL SEA	PAB
A:7470A	580-49777-A-10-D		580-189705	580-189601	05/18/2015	12:18	1	TAL SEA	FCW

Lab ID: 580-49777-11

Client ID: TCLP-362-A

Sample Date/Time: 04/23/2015 11:03 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	580-49777-A-11-B		580-189727	580-189598	05/15/2015	17:06	1	TAL SEA	PAB
A:6010B	580-49777-A-11-B		580-189727	580-189598	05/18/2015	14:35	1	TAL SEA	HJM
P:7470A	580-49777-A-11-D		580-189705	580-189601	05/15/2015	17:14	1	TAL SEA	PAB
A:7470A	580-49777-A-11-D		580-189705	580-189601	05/18/2015	12:21	1	TAL SEA	FCW

Lab ID: 580-49777-12

Client ID: TCLP-365-B

Sample Date/Time: 04/23/2015 13:40 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	580-49777-A-12-B		580-189727	580-189598	05/15/2015	17:06	1	TAL SEA	PAB
A:6010B	580-49777-A-12-B		580-189727	580-189598	05/18/2015	14:39	1	TAL SEA	HJM
P:7470A	580-49777-A-12-D		580-189705	580-189601	05/15/2015	17:14	1	TAL SEA	PAB
A:7470A	580-49777-A-12-D		580-189705	580-189601	05/18/2015	12:28	1	TAL SEA	FCW

Lab ID: 580-49777-13

Client ID: TCLP-356-A

Sample Date/Time: 04/23/2015 16:30 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	580-49777-A-13-B		580-189727	580-189598	05/15/2015	17:06	1	TAL SEA	PAB
A:6010B	580-49777-A-13-B		580-189727	580-189598	05/18/2015	14:42	1	TAL SEA	HJM
P:7470A	580-49777-A-13-D		580-189705	580-189601	05/15/2015	17:14	1	TAL SEA	PAB
A:7470A	580-49777-A-13-D		580-189705	580-189601	05/18/2015	12:30	1	TAL SEA	FCW

Lab ID: 580-49777-14

Client ID: TCLP-363-A

Sample Date/Time: 04/27/2015 14:22 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	580-49777-A-14-B		580-189727	580-189598	05/15/2015	17:06	1	TAL SEA	PAB
A:6010B	580-49777-A-14-B		580-189727	580-189598	05/18/2015	14:45	1	TAL SEA	HJM
P:7470A	580-49777-A-14-D		580-189705	580-189601	05/15/2015	17:14	1	TAL SEA	PAB
A:7470A	580-49777-A-14-D		580-189705	580-189601	05/18/2015	12:33	1	TAL SEA	FCW

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Laboratory Chronicle

Lab ID: 580-49777-15

Client ID: TCLP-370-A

Sample Date/Time: 04/27/2015 18:11 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	580-49777-A-15-B		580-189888	580-189703	05/18/2015	13:43	1	TAL SEA	PAB
A:6010B	580-49777-A-15-B		580-189888	580-189703	05/19/2015	12:50	1	TAL SEA	HJM
P:7470A	580-49777-A-15-C		580-189735	580-189706	05/18/2015	14:05	1	TAL SEA	PAB
A:7470A	580-49777-A-15-C		580-189735	580-189706	05/18/2015	17:17	1	TAL SEA	FCW

Lab ID: 580-49777-16

Client ID: TCLP-364-A

Sample Date/Time: 04/29/2015 11:28 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	580-49777-A-16-B		580-189888	580-189703	05/18/2015	13:43	1	TAL SEA	PAB
A:6010B	580-49777-A-16-B		580-189888	580-189703	05/19/2015	12:53	1	TAL SEA	HJM
P:7470A	580-49777-A-16-C		580-189735	580-189706	05/18/2015	14:05	1	TAL SEA	PAB
A:7470A	580-49777-A-16-C		580-189735	580-189706	05/18/2015	17:20	1	TAL SEA	FCW

Lab ID: 580-49777-17

Client ID: TCLP-370-B

Sample Date/Time: 04/29/2015 16:15 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	580-49777-A-17-B		580-189888	580-189703	05/18/2015	13:43	1	TAL SEA	PAB
A:6010B	580-49777-A-17-B		580-189888	580-189703	05/19/2015	12:57	1	TAL SEA	HJM
P:7470A	580-49777-A-17-C		580-189735	580-189706	05/18/2015	14:05	1	TAL SEA	PAB
A:7470A	580-49777-A-17-C		580-189735	580-189706	05/18/2015	17:22	1	TAL SEA	FCW

Lab ID: 580-49777-18

Client ID: TCLP-371-A

Sample Date/Time: 04/30/2015 13:16 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	580-49777-A-18-B		580-189888	580-189703	05/18/2015	13:43	1	TAL SEA	PAB
A:6010B	580-49777-A-18-B		580-189888	580-189703	05/19/2015	12:29	1	TAL SEA	HJM
P:7470A	580-49777-A-18-F		580-189735	580-189706	05/18/2015	14:05	1	TAL SEA	PAB
A:7470A	580-49777-A-18-F		580-189735	580-189706	05/18/2015	17:08	1	TAL SEA	FCW

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Laboratory Chronicle

Lab ID: 580-49777-18 MS

Client ID: TCLP-371-A

Sample Date/Time: 04/30/2015 13:16 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-49777-A-18-D MS		580-189888	580-189703	05/18/2015 13:43	1	TAL SEA	PAB
A:6010B	580-49777-A-18-D MS		580-189888	580-189703	05/19/2015 12:35	1	TAL SEA	HJM
P:7470A	580-49777-A-18-H MS		580-189735	580-189706	05/18/2015 14:05	1	TAL SEA	PAB
A:7470A	580-49777-A-18-H MS		580-189735	580-189706	05/18/2015 17:13	1	TAL SEA	FCW

Lab ID: 580-49777-18 MSD

Client ID: TCLP-371-A

Sample Date/Time: 04/30/2015 13:16 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-49777-A-18-E MSD		580-189888	580-189703	05/18/2015 13:43	1	TAL SEA	PAB
A:6010B	580-49777-A-18-E MSD		580-189888	580-189703	05/19/2015 12:38	1	TAL SEA	HJM
P:7470A	580-49777-A-18-I MSD		580-189735	580-189706	05/18/2015 14:05	1	TAL SEA	PAB
A:7470A	580-49777-A-18-I MSD		580-189735	580-189706	05/18/2015 17:15	1	TAL SEA	FCW

Lab ID: 580-49777-18 DU

Client ID: TCLP-371-A

Sample Date/Time: 04/30/2015 13:16 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-49777-A-18-C DU		580-189888	580-189703	05/18/2015 13:43	1	TAL SEA	PAB
A:6010B	580-49777-A-18-C DU		580-189888	580-189703	05/19/2015 12:32	1	TAL SEA	HJM
P:7470A	580-49777-A-18-G DU		580-189735	580-189706	05/18/2015 14:05	1	TAL SEA	PAB
A:7470A	580-49777-A-18-G DU		580-189735	580-189706	05/18/2015 17:10	1	TAL SEA	FCW

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Laboratory Chronicle

Lab ID: 580-49777-18 SD

Client ID: TCLP-371-A

Sample Date/Time: 04/30/2015 13:16 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-49777-A-18-B SD ^5		580-189888	580-189703	05/18/2015 13:43	5	TAL SEA	PAB
A:6010B	580-49777-A-18-B SD ^5		580-189888	580-189703	05/19/2015 12:25	5	TAL SEA	HJM
P:3010A	580-49777-A-18-B PDS		580-189888	580-189703	05/18/2015 13:43	1	TAL SEA	PAB
A:6010B	580-49777-A-18-B PDS		580-189888	580-189703	05/19/2015 12:41	1	TAL SEA	HJM

Lab ID: 580-49777-19

Client ID: 351-A-05-B-1

Sample Date/Time: 04/15/2015 11:59 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-19-F		580-190067	580-189961	05/20/2015 13:06	10	TAL SEA	MKN
A:6020	580-49777-A-19-F		580-190067	580-189961	05/20/2015 17:21	10	TAL SEA	FCW
A:160.3	580-49777-A-19		580-189716		05/18/2015 15:20	1	TAL SEA	DCC

Lab ID: 580-49777-19 MS

Client ID: 351-A-05-B-1

Sample Date/Time: 04/15/2015 11:59 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-19-H MS		580-190067	580-189961	05/20/2015 13:06	50	TAL SEA	MKN
A:6020	580-49777-A-19-H MS		580-190067	580-189961	05/20/2015 17:30	50	TAL SEA	FCW

Lab ID: 580-49777-19 MSD

Client ID: 351-A-05-B-1

Sample Date/Time: 04/15/2015 11:59 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-19-I MSD		580-190067	580-189961	05/20/2015 13:06	50	TAL SEA	MKN
A:6020	580-49777-A-19-I MSD		580-190067	580-189961	05/20/2015 17:34	50	TAL SEA	FCW

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Laboratory Chronicle

Lab ID: 580-49777-19 DU

Client ID: 351-A-05-B-1

Sample Date/Time: 04/15/2015 11:59 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3050B	580-49777-A-19-G DU		580-190067	580-189961	05/20/2015	13:06	10	TAL SEA	MKN
A:6020	580-49777-A-19-G DU		580-190067	580-189961	05/20/2015	17:26	10	TAL SEA	FCW
A:160.3	580-49777-A-19 DU		580-189716		05/18/2015	15:20	1	TAL SEA	DCC

Lab ID: 580-49777-19 SD

Client ID: 351-A-05-B-1

Sample Date/Time: 04/15/2015 11:59 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3050B	580-49777-A-19-F SD		580-190067	580-189961	05/20/2015	13:06	50	TAL SEA	MKN
A:6020	580-49777-A-19-F SD		580-190067	580-189961	05/20/2015	17:17	50	TAL SEA	FCW
P:3050B	580-49777-A-19-F PDS		580-190067	580-189961	05/20/2015	13:06	50	TAL SEA	MKN
A:6020	580-49777-A-19-F PDS		580-190067	580-189961	05/20/2015	17:39	50	TAL SEA	FCW

Lab ID: 580-49777-20

Client ID: 361-A-01-D-1

Sample Date/Time: 04/15/2015 14:24 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3050B	580-49777-A-20-C		580-190067	580-189961	05/20/2015	13:06	10	TAL SEA	MKN
A:6020	580-49777-A-20-C		580-190067	580-189961	05/20/2015	17:51	10	TAL SEA	FCW
A:160.3	580-49777-A-20		580-189716		05/18/2015	15:20	1	TAL SEA	DCC

Lab ID: 580-49777-21

Client ID: 361-A-04-B-1

Sample Date/Time: 04/15/2015 15:40 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3050B	580-49777-A-21-C		580-190067	580-189961	05/20/2015	13:06	10	TAL SEA	MKN
A:6020	580-49777-A-21-C		580-190067	580-189961	05/20/2015	17:56	10	TAL SEA	FCW
A:160.3	580-49777-A-21		580-189716		05/18/2015	15:20	1	TAL SEA	DCC

Lab ID: 580-49777-22

Client ID: 350-A-06-B-1

Sample Date/Time: 04/17/2015 12:36 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3050B	580-49777-A-22-C		580-190067	580-189961	05/20/2015	13:06	10	TAL SEA	MKN
A:6020	580-49777-A-22-C		580-190067	580-189961	05/20/2015	18:00	10	TAL SEA	FCW
A:160.3	580-49777-A-22		580-189716		05/18/2015	15:20	1	TAL SEA	DCC

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Laboratory Chronicle

Lab ID: 580-49777-23

Client ID: 350-A-07-A-1

Sample Date/Time: 04/17/2015 13:20 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-23-C		580-190067	580-189961	05/20/2015 13:06	10	TAL SEA	MKN
A:6020	580-49777-A-23-C		580-190067	580-189961	05/20/2015 18:04	10	TAL SEA	FCW
A:160.3	580-49777-A-23		580-189716		05/18/2015 15:20	1	TAL SEA	DCC

Lab ID: 580-49777-24

Client ID: 350-B-04-B-1

Sample Date/Time: 04/17/2015 15:55 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-24-C		580-190067	580-189961	05/20/2015 13:06	10	TAL SEA	MKN
A:6020	580-49777-A-24-C		580-190067	580-189961	05/20/2015 18:09	10	TAL SEA	FCW
A:160.3	580-49777-A-24		580-189716		05/18/2015 15:20	1	TAL SEA	DCC

Lab ID: 580-49777-25

Client ID: 358-A-04-B-1

Sample Date/Time: 04/17/2015 17:28 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-25-B		580-190150	580-190072	05/21/2015 11:32	10	TAL SEA	MKN
A:6020	580-49777-A-25-B		580-190150	580-190072	05/21/2015 15:38	10	TAL SEA	FCW
A:160.3	580-49777-A-25		580-189716		05/18/2015 15:20	1	TAL SEA	DCC

Lab ID: 580-49777-25 MS

Client ID: 358-A-04-B-1

Sample Date/Time: 04/17/2015 17:28 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-25-D MS		580-190150	580-190072	05/21/2015 11:32	50	TAL SEA	MKN
A:6020	580-49777-A-25-D MS		580-190150	580-190072	05/21/2015 15:47	50	TAL SEA	FCW

Lab ID: 580-49777-25 MSD

Client ID: 358-A-04-B-1

Sample Date/Time: 04/17/2015 17:28 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-25-E MSD		580-190150	580-190072	05/21/2015 11:32	50	TAL SEA	MKN
A:6020	580-49777-A-25-E MSD		580-190150	580-190072	05/21/2015 15:51	50	TAL SEA	FCW

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Laboratory Chronicle

Lab ID: 580-49777-25 DU

Client ID: 358-A-04-B-1

Sample Date/Time: 04/17/2015 17:28 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-25-C DU		580-190150	580-190072	05/21/2015 11:32	10	TAL SEA	MKN
A:6020	580-49777-A-25-C DU		580-190150	580-190072	05/21/2015 15:43	10	TAL SEA	FCW

Lab ID: 580-49777-25 SD

Client ID: 358-A-04-B-1

Sample Date/Time: 04/17/2015 17:28 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-25-B SD		580-190150	580-190072	05/21/2015 11:32	50	TAL SEA	MKN
A:6020	580-49777-A-25-B SD		580-190150	580-190072	05/21/2015 15:34	50	TAL SEA	FCW
P:3050B	580-49777-A-25-B PDS		580-190150	580-190072	05/21/2015 11:32	50	TAL SEA	MKN
A:6020	580-49777-A-25-B PDS		580-190150	580-190072	05/21/2015 15:55	50	TAL SEA	FCW

Lab ID: 580-49777-26

Client ID: 358-B-02-B-1

Sample Date/Time: 04/17/2015 18:39 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-26-B		580-190150	580-190072	05/21/2015 11:32	10	TAL SEA	MKN
A:6020	580-49777-A-26-B		580-190150	580-190072	05/21/2015 17:12	10	TAL SEA	FCW
A:160.3	580-49777-A-26		580-189716		05/18/2015 15:20	1	TAL SEA	DCC

Lab ID: 580-49777-27

Client ID: 359-A-03-B-1

Sample Date/Time: 04/21/2015 10:07 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-27-B		580-190150	580-190072	05/21/2015 11:32	10	TAL SEA	MKN
A:6020	580-49777-A-27-B		580-190150	580-190072	05/21/2015 16:13	10	TAL SEA	FCW
A:160.3	580-49777-A-27		580-189716		05/18/2015 15:20	1	TAL SEA	DCC

Lab ID: 580-49777-28

Client ID: 359-A-08-B-1

Sample Date/Time: 04/21/2015 10:14 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-28-B		580-190150	580-190072	05/21/2015 11:32	10	TAL SEA	MKN
A:6020	580-49777-A-28-B		580-190150	580-190072	05/21/2015 16:17	10	TAL SEA	FCW
A:160.3	580-49777-A-28		580-189716		05/18/2015 15:20	1	TAL SEA	DCC

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Laboratory Chronicle

Lab ID: 580-49777-29

Client ID: COMP-359-X-A

Sample Date/Time: 04/21/2015 10:30 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-29-B		580-190150	580-190072	05/21/2015 11:32	10	TAL SEA	MKN
A:6020	580-49777-A-29-B		580-190150	580-190072	05/21/2015 16:21	10	TAL SEA	FCW
A:160.3	580-49777-A-29		580-189716		05/18/2015 15:20	1	TAL SEA	DCC

Lab ID: 580-49777-30

Client ID: 365-A-01-B-1

Sample Date/Time: 04/21/2015 11:58 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-30-B		580-190150	580-190072	05/21/2015 11:32	10	TAL SEA	MKN
A:6020	580-49777-A-30-B		580-190150	580-190072	05/21/2015 16:25	10	TAL SEA	FCW
A:160.3	580-49777-A-30		580-189716		05/18/2015 15:20	1	TAL SEA	DCC

Lab ID: 580-49777-31

Client ID: 352-B-01-B-1

Sample Date/Time: 04/21/2015 13:59 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-31-B		580-190150	580-190072	05/21/2015 11:32	10	TAL SEA	MKN
A:6020	580-49777-A-31-B		580-190150	580-190072	05/21/2015 16:29	10	TAL SEA	FCW
A:160.3	580-49777-A-31		580-189716		05/18/2015 15:20	1	TAL SEA	DCC

Lab ID: 580-49777-32

Client ID: COMP-352-X-A

Sample Date/Time: 04/21/2015 14:03 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-32-B		580-190150	580-190072	05/21/2015 11:32	10	TAL SEA	MKN
A:6020	580-49777-A-32-B		580-190150	580-190072	05/21/2015 16:34	10	TAL SEA	FCW
A:160.3	580-49777-A-32		580-189803		05/19/2015 11:47	1	TAL SEA	DCC

Lab ID: 580-49777-33

Client ID: 352-A-02-B-1

Sample Date/Time: 04/21/2015 15:12 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-33-B		580-190150	580-190072	05/21/2015 11:32	10	TAL SEA	MKN
A:6020	580-49777-A-33-B		580-190150	580-190072	05/21/2015 16:38	10	TAL SEA	FCW
A:160.3	580-49777-A-33		580-189803		05/19/2015 11:47	1	TAL SEA	DCC

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Laboratory Chronicle

Lab ID: 580-49777-34

Client ID: 362-A-06-B-1

Sample Date/Time: 04/23/2015 10:35 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-34-B		580-190150	580-190072	05/21/2015 11:32	10	TAL SEA	MKN
A:6020	580-49777-A-34-B		580-190150	580-190072	05/21/2015 16:42	10	TAL SEA	FCW
A:160.3	580-49777-A-34		580-189803		05/19/2015 11:47	1	TAL SEA	DCC

Lab ID: 580-49777-35

Client ID: 362-A-04-B-1

Sample Date/Time: 04/23/2015 10:47 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-35-B		580-190150	580-190072	05/21/2015 11:32	10	TAL SEA	MKN
A:6020	580-49777-A-35-B		580-190150	580-190072	05/21/2015 17:16	10	TAL SEA	FCW
A:160.3	580-49777-A-35		580-189803		05/19/2015 11:47	1	TAL SEA	DCC

Lab ID: 580-49777-36

Client ID: 365-B-03-B-1

Sample Date/Time: 04/23/2015 13:05 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-36-B		580-190150	580-190072	05/21/2015 11:32	10	TAL SEA	MKN
A:6020	580-49777-A-36-B		580-190150	580-190072	05/21/2015 16:59	10	TAL SEA	FCW
A:160.3	580-49777-A-36		580-189803		05/19/2015 11:47	1	TAL SEA	DCC

Lab ID: 580-49777-37

Client ID: 365-B-03-A-1

Sample Date/Time: 04/23/2015 13:17 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-37-B		580-190150	580-190072	05/21/2015 11:32	10	TAL SEA	MKN
A:6020	580-49777-A-37-B		580-190150	580-190072	05/21/2015 17:04	10	TAL SEA	FCW
A:160.3	580-49777-A-37		580-189803		05/19/2015 11:47	1	TAL SEA	DCC

Lab ID: 580-49777-38

Client ID: COMP-365-B-X-A

Sample Date/Time: 04/23/2015 13:29 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-38-B		580-190150	580-190072	05/21/2015 11:32	10	TAL SEA	MKN
A:6020	580-49777-A-38-B		580-190150	580-190072	05/21/2015 17:08	10	TAL SEA	FCW
A:160.3	580-49777-A-38		580-189803		05/19/2015 11:47	1	TAL SEA	DCC

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Laboratory Chronicle

Lab ID: 580-49777-39

Client ID: 356-A-03-B-1

Sample Date/Time: 04/23/2015 16:24 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-39-B		580-190150	580-190088	05/21/2015 12:27	10	TAL SEA	MKN
A:6020	580-49777-A-39-B		580-190150	580-190088	05/21/2015 20:31	10	TAL SEA	FCW
A:160.3	580-49777-A-39		580-189803		05/19/2015 11:47	1	TAL SEA	DCC

Lab ID: 580-49777-39 MS

Client ID: 356-A-03-B-1

Sample Date/Time: 04/23/2015 16:24 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-39-D MS		580-190150	580-190088	05/21/2015 12:27	50	TAL SEA	MKN
A:6020	580-49777-A-39-D MS		580-190150	580-190088	05/21/2015 20:39	50	TAL SEA	FCW

Lab ID: 580-49777-39 MSD

Client ID: 356-A-03-B-1

Sample Date/Time: 04/23/2015 16:24 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-39-E MSD		580-190150	580-190088	05/21/2015 12:27	50	TAL SEA	MKN
A:6020	580-49777-A-39-E MSD		580-190150	580-190088	05/21/2015 20:44	50	TAL SEA	FCW

Lab ID: 580-49777-39 DU

Client ID: 356-A-03-B-1

Sample Date/Time: 04/23/2015 16:24 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-39-C DU		580-190150	580-190088	05/21/2015 12:27	10	TAL SEA	MKN
A:6020	580-49777-A-39-C DU		580-190150	580-190088	05/21/2015 20:35	10	TAL SEA	FCW

Lab ID: 580-49777-39 SD

Client ID: 356-A-03-B-1

Sample Date/Time: 04/23/2015 16:24 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-39-B SD		580-190150	580-190088	05/21/2015 12:27	50	TAL SEA	MKN
A:6020	580-49777-A-39-B SD		580-190150	580-190088	05/21/2015 20:26	50	TAL SEA	FCW
P:3050B	580-49777-A-39-B PDS		580-190150	580-190088	05/21/2015 12:27	50	TAL SEA	MKN
A:6020	580-49777-A-39-B PDS		580-190150	580-190088	05/21/2015 20:48	50	TAL SEA	FCW

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Laboratory Chronicle

Lab ID: 580-49777-40

Client ID: 356-A-06-B-1

Sample Date/Time: 04/23/2015 16:25 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-40-B		580-190150	580-190088	05/21/2015 12:27	10	TAL SEA	MKN
A:6020	580-49777-A-40-B		580-190150	580-190088	05/21/2015 21:01	10	TAL SEA	FCW
A:160.3	580-49777-A-40		580-189803		05/19/2015 11:47	1	TAL SEA	DCC

Lab ID: 580-49777-41

Client ID: 363-A-04-B-1

Sample Date/Time: 04/27/2015 10:42 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-41-B		580-190150	580-190088	05/21/2015 12:27	10	TAL SEA	MKN
A:6020	580-49777-A-41-B		580-190150	580-190088	05/21/2015 21:05	10	TAL SEA	FCW
A:160.3	580-49777-A-41		580-189803		05/19/2015 11:47	1	TAL SEA	DCC

Lab ID: 580-49777-42

Client ID: 363-A-08-B-1

Sample Date/Time: 04/27/2015 11:32 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-42-B		580-190150	580-190088	05/21/2015 12:27	10	TAL SEA	MKN
A:6020	580-49777-A-42-B		580-190150	580-190088	05/21/2015 21:09	10	TAL SEA	FCW
A:160.3	580-49777-A-42		580-189803		05/19/2015 11:47	1	TAL SEA	DCC

Lab ID: 580-49777-43

Client ID: 370-A-01-B-1

Sample Date/Time: 04/27/2015 16:04 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-43-B		580-190150	580-190088	05/21/2015 12:27	10	TAL SEA	MKN
A:6020	580-49777-A-43-B		580-190150	580-190088	05/21/2015 21:14	10	TAL SEA	FCW
A:160.3	580-49777-A-43		580-189803		05/19/2015 11:47	1	TAL SEA	DCC

Lab ID: 580-49777-44

Client ID: 364-A-05-B-1

Sample Date/Time: 04/29/2015 09:04 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-44-B		580-190150	580-190088	05/21/2015 12:27	10	TAL SEA	MKN
A:6020	580-49777-A-44-B		580-190150	580-190088	05/21/2015 21:18	10	TAL SEA	FCW
A:160.3	580-49777-A-44		580-189803		05/19/2015 11:47	1	TAL SEA	DCC

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Laboratory Chronicle

Lab ID: 580-49777-45

Client ID: 370-B-04-B

Sample Date/Time: 04/29/2015 13:51 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-45-B		580-190150	580-190088	05/21/2015 12:27	10	TAL SEA	MKN
A:6020	580-49777-A-45-B		580-190150	580-190088	05/21/2015 21:22	10	TAL SEA	FCW
A:160.3	580-49777-A-45		580-189803		05/19/2015 11:47	1	TAL SEA	DCC

Lab ID: 580-49777-46

Client ID: 364-A-07-B-1

Sample Date/Time: 04/29/2015 09:26 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-46-B		580-190150	580-190088	05/21/2015 12:27	10	TAL SEA	MKN
A:6020	580-49777-A-46-B		580-190150	580-190088	05/21/2015 21:26	10	TAL SEA	FCW
A:160.3	580-49777-A-46		580-189803		05/19/2015 11:47	1	TAL SEA	DCC

Lab ID: 580-49777-47

Client ID: 371-A-04-B

Sample Date/Time: 04/30/2015 09:35 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-47-B		580-190150	580-190088	05/21/2015 12:27	10	TAL SEA	MKN
A:6020	580-49777-A-47-B		580-190150	580-190088	05/21/2015 21:31	10	TAL SEA	FCW
A:160.3	580-49777-A-47		580-189803		05/19/2015 11:47	1	TAL SEA	DCC

Lab ID: 580-49777-48

Client ID: 371-A-06-B

Sample Date/Time: 04/30/2015 09:51 Received Date/Time: 05/08/2015 11:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-49777-A-48-B		580-190150	580-190088	05/21/2015 12:27	10	TAL SEA	MKN
A:6020	580-49777-A-48-B		580-190150	580-190088	05/21/2015 21:35	10	TAL SEA	FCW
A:160.3	580-49777-A-48		580-189803		05/19/2015 11:47	1	TAL SEA	DCC

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	MB 580-189464/1-C		580-189727	580-189598	05/15/2015 17:07	1	TAL SEA	PAB
A:6010B	MB 580-189464/1-C		580-189727	580-189598	05/18/2015 13:16	1	TAL SEA	HJM
P:3010A	MB 580-189636/1-B		580-189888	580-189703	05/18/2015 13:43	1	TAL SEA	PAB
A:6010B	MB 580-189636/1-B		580-189888	580-189703	05/19/2015 12:13	1	TAL SEA	HJM
P:3050B	MB 580-189961/20-A		580-190067	580-189961	05/20/2015 13:06	10	TAL SEA	MKN
A:6020	MB 580-189961/20-A		580-190067	580-189961	05/20/2015 17:00	10	TAL SEA	FCW
P:3050B	MB 580-190072/19-A		580-190150	580-190072	05/21/2015 11:32	10	TAL SEA	MKN
A:6020	MB 580-190072/19-A		580-190150	580-190072	05/21/2015 15:17	10	TAL SEA	FCW
P:3050B	MB 580-190088/14-A		580-190150	580-190088	05/21/2015 12:27	10	TAL SEA	MKN
A:6020	MB 580-190088/14-A		580-190150	580-190088	05/21/2015 20:09	10	TAL SEA	FCW
P:7470A	MB 580-189601/24-A		580-189705	580-189601	05/15/2015 17:14	1	TAL SEA	PAB
A:7470A	MB 580-189601/24-A		580-189705	580-189601	05/18/2015 11:36	1	TAL SEA	FCW
P:7470A	MB 580-189706/11-A		580-189735	580-189706	05/18/2015 14:05	1	TAL SEA	PAB
A:7470A	MB 580-189706/11-A		580-189735	580-189706	05/18/2015 16:53	1	TAL SEA	FCW

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	LCS 580-189464/2-C		580-189727	580-189598	05/15/2015 17:07	1	TAL SEA	PAB
A:6010B	LCS 580-189464/2-C		580-189727	580-189598	05/18/2015 13:20	1	TAL SEA	HJM
P:3010A	LCS 580-189636/2-B		580-189888	580-189703	05/18/2015 13:43	1	TAL SEA	PAB
A:6010B	LCS 580-189636/2-B		580-189888	580-189703	05/19/2015 12:16	1	TAL SEA	HJM
P:3050B	LCS 580-189961/21-A		580-190067	580-189961	05/20/2015 13:06	50	TAL SEA	MKN
A:6020	LCS 580-189961/21-A		580-190067	580-189961	05/20/2015 17:04	50	TAL SEA	FCW
P:3050B	LCS 580-190072/20-A		580-190150	580-190072	05/21/2015 11:32	50	TAL SEA	MKN
A:6020	LCS 580-190072/20-A		580-190150	580-190072	05/21/2015 15:21	50	TAL SEA	FCW
P:3050B	LCS 580-190088/15-A		580-190150	580-190088	05/21/2015 12:27	50	TAL SEA	MKN
A:6020	LCS 580-190088/15-A		580-190150	580-190088	05/21/2015 20:14	50	TAL SEA	FCW
P:7470A	LCS 580-189601/25-A		580-189705	580-189601	05/15/2015 17:14	1	TAL SEA	PAB
A:7470A	LCS 580-189601/25-A		580-189705	580-189601	05/18/2015 11:38	1	TAL SEA	FCW
P:7470A	LCS 580-189706/12-A		580-189735	580-189706	05/18/2015 14:05	1	TAL SEA	PAB
A:7470A	LCS 580-189706/12-A		580-189735	580-189706	05/18/2015 16:56	1	TAL SEA	FCW

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Laboratory Chronicle

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	LCSD 580-189464/3-C		580-189727	580-189598	05/15/2015 17:07	1	TAL SEA	PAB
A:6010B	LCSD 580-189464/3-C		580-189727	580-189598	05/18/2015 13:22	1	TAL SEA	HJM
P:3010A	LCSD 580-189636/3-B		580-189888	580-189703	05/18/2015 13:43	1	TAL SEA	PAB
A:6010B	LCSD 580-189636/3-B		580-189888	580-189703	05/19/2015 12:19	1	TAL SEA	HJM
P:3050B	LCSD 580-189961/22-A		580-190067	580-189961	05/20/2015 13:06	50	TAL SEA	MKN
A:6020	LCSD 580-189961/22-A		580-190067	580-189961	05/20/2015 17:09	50	TAL SEA	FCW
P:3050B	LCSD 580-190072/21-A		580-190150	580-190072	05/21/2015 11:32	50	TAL SEA	MKN
A:6020	LCSD 580-190072/21-A		580-190150	580-190072	05/21/2015 15:26	50	TAL SEA	FCW
P:3050B	LCSD 580-190088/16-A		580-190150	580-190088	05/21/2015 12:27	50	TAL SEA	MKN
A:6020	LCSD 580-190088/16-A		580-190150	580-190088	05/21/2015 20:18	50	TAL SEA	FCW
P:7470A	LCSD 580-189601/26-A		580-189705	580-189601	05/15/2015 17:14	1	TAL SEA	PAB
A:7470A	LCSD 580-189601/26-A		580-189705	580-189601	05/18/2015 11:40	1	TAL SEA	FCW
P:7470A	LCSD 580-189706/13-A		580-189735	580-189706	05/18/2015 14:05	1	TAL SEA	PAB
A:7470A	LCSD 580-189706/13-A		580-189735	580-189706	05/18/2015 16:58	1	TAL SEA	FCW

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-49777-1

Laboratory Chronicle

Lab ID: LCSSRM

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	LCSSRM 580-189598/27-A		580-189727	580-189598	05/15/2015 17:07	1	TAL SEA	PAB
A:6010B	LCSSRM 580-189598/27-A		580-189727	580-189598	05/18/2015 13:25	1	TAL SEA	HJM
P:3010A	LCSSRM 580-189703/14-A		580-189888	580-189703	05/18/2015 13:43	1	TAL SEA	PAB
A:6010B	LCSSRM 580-189703/14-A		580-189888	580-189703	05/19/2015 12:23	1	TAL SEA	HJM
P:3050B	LCSSRM 580-189961/23-A		580-190067	580-189961	05/20/2015 13:06	50	TAL SEA	MKN
A:6020	LCSSRM 580-189961/23-A		580-190067	580-189961	05/20/2015 17:13	50	TAL SEA	FCW
P:3050B	LCSSRM 580-190072/22-A		580-190150	580-190072	05/21/2015 11:32	50	TAL SEA	MKN
A:6020	LCSSRM 580-190072/22-A		580-190150	580-190072	05/21/2015 15:30	50	TAL SEA	FCW
P:3050B	LCSSRM 580-190088/17-A		580-190150	580-190088	05/21/2015 12:27	50	TAL SEA	MKN
A:6020	LCSSRM 580-190088/17-A		580-190150	580-190088	05/21/2015 20:22	50	TAL SEA	FCW
P:7470A	LCSSRM 580-189601/27-A		580-189705	580-189601	05/15/2015 17:14	1	TAL SEA	PAB
A:7470A	LCSSRM 580-189601/27-A		580-189705	580-189601	05/18/2015 11:43	1	TAL SEA	FCW
P:7470A	LCSSRM 580-189706/14-A		580-189735	580-189706	05/18/2015 14:05	1	TAL SEA	PAB
A:7470A	LCSSRM 580-189706/14-A		580-189735	580-189706	05/18/2015 17:01	1	TAL SEA	FCW

Lab References:

TAL SEA = TestAmerica Seattle

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
Hg_CAL_WORK_00025	06/24/15	03/24/15	H2O, Lot standard	1000 mg/L	Hg_CAL_STOCK_00002	1 mL	Mercury	0.1 mg/L
.Hg CAL STOCK 00002	11/30/18	AccuStandard, Lot 213115080			(Purchased Reagent)		Mercury	100 mg/L
Hg_ICV_WORK_00028	07/13/15	04/13/15	H2O, Lot standard	1000 mg/L	Hg_ICV_STOCK_00005	1 mL	Mercury	0.1 mg/L
.Hg ICV STOCK 00005	02/01/16	INORGANIC VENTURES, Lot G2-HG02113			(Purchased Reagent)		Mercury	100 mg/L
ICP_CCV_00064	08/01/15	05/08/15	DI, Lot NA	2000 mL	ICP Std SolnB_00005	4 mL	Cadmium	1 mg/L
					ICP Std SolnC_00005	4 mL	Chromium	1 mg/L
							Arsenic	5 mg/L
							Barium	5 mg/L
							Lead	5 mg/L
							Selenium	5 mg/L
							Silver	0.5 mg/L
.ICP Std SolnB_00005	08/01/15	ESI, Lot 1420418			(Purchased Reagent)		Cadmium	500 ug/mL
							Chromium	500 ug/mL
.ICP Std SolnC_00005	08/01/15	CPI, Lot 1420501			(Purchased Reagent)		Arsenic	2500 ug/mL
							Barium	2500 ug/mL
							Lead	2500 ug/mL
							Selenium	2500 ug/mL
							Silver	250 ug/mL
ICP_ICSA_00068	08/01/15	04/13/15	DI, Lot NA	500 mL	ICP_ICSA_00065	50 mL	Al	500 mg/L
							Ca	500 mg/L
							Fe	500 mg/L
							Mg	500 mg/L
.ICP_ICSA_00065	11/19/15	Elemental Scientific, Lot 1427502			(Purchased Reagent)		Al	5000 ug/mL
							Ca	5000 ug/mL
							Fe	5000 ug/mL
							Mg	5000 ug/mL
ICP_ICSAB_00056	08/01/15	04/13/15	H2O, Lot NA	500 mL	ICP_ICSA_00065	50 mL	Al	500 mg/L
							Ca	500 mg/L
							Fe	500 mg/L
							Mg	500 mg/L
					ICP_ICSAB_1_00002	5 mL	Arsenic	10 mg/L
							Barium	3 mg/L
							Be	1 mg/L
							Cadmium	3 mg/L
							Chromium	3 mg/L
							Co	3 mg/L
							Cu	3 mg/L
							K	200 mg/L
							Lead	10 mg/L
							Mn	2 mg/L
							Ni	3 mg/L
							Tl	10 mg/L
							V	3 mg/L
							Zn	3 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					ICP ICSAB 2_00002	5 mL	Sb	10 mg/L
					ICP ICSAB 3_00002	5 mL	B	5 mg/L
							Mo	3 mg/L
							Si	2.5 mg/L
.ICP ICSA_00065	11/19/15		Elemental Scientific, Lot 1427502		ICP ICSAB 4_00002	5 mL	Ti	10 mg/L
							Silver	3 mg/L
							Al	5000 ug/mL
							Ca	5000 ug/mL
.ICP ICSAB 1_00002	11/19/15		ESI elemental Scientific, Lot 1419502				Fe	5000 ug/mL
							Mg	5000 ug/mL
							Arsenic	1000 ug/mL
							Barium	300 ug/mL
							Be	100 ug/mL
							Cadmium	300 ug/mL
							Chromium	300 ug/mL
							Co	300 ug/mL
							Cu	300 ug/mL
							K	20000 ug/mL
							Lead	1000 ug/mL
							Mn	200 ug/mL
							Ni	300 ug/mL
.ICP ICSAB 2_00002	11/19/15		ESI elemental scientific, Lot 1429301				Tl	1000 ug/mL
							V	300 ug/mL
.ICP ICSAB 3_00002	11/19/15		ESI elemental scientific, Lot 1417701				Zn	300 ug/mL
.ICP ICSAB 4_00002	11/19/15		ESI elemental scientific, Lot 1415425				Sb	1000 ug/mL
							B	500 ug/mL
							Mo	300 ug/mL
							Si	250 ug/mL
ICP ICV-2_00049	07/30/15	05/08/15	H2O, Lot NA	500 mL	ICP-ICV-1_00004	2.5 mL	Ti	1000 ug/mL
							Silver	300 ug/mL
							Barium	0.25 mg/L
							Cadmium	0.25 mg/L
							Chromium	1 mg/L
.ICP-ICV-1_00004	07/30/15		Spex, Lot 11-109YP				Lead	1 mg/L
							Silver	0.5 mg/L
							Arsenic	2.5 mg/L
.ICP-ICV-2_00004	07/30/15		Spex, Lot 11-110YP				Selenium	5 mg/L
							Barium	50 mg/L
							Cadmium	50 mg/L
							Chromium	200 mg/L
ICP-RL_00028	09/08/15	05/08/15	DI, Lot NA	1000 mL	ICP RL SolnA_00004	1 mL	Lead	200 mg/L
							Silver	200 mg/L
							Arsenic	100 mg/L
							Selenium	1000 mg/L
							Barium	0.01 mg/L
							Cadmium	0.01 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chromium	0.025 mg/L
							Lead	0.03 mg/L
							Selenium	0.1 mg/L
					ICP RL SolnB 00004	1 mL	Silver	0.05 mg/L
.ICP RL SolnA_00004	11/19/15		Elemental Scientific, Lot 1431835		(Purchased Reagent)		Arsenic	60 mg/L
							Barium	10 mg/L
							Cadmium	10 mg/L
							Chromium	25 mg/L
							Lead	30 mg/L
							Selenium	100 mg/L
.ICP RL SolnB 00004	11/19/15		Elemental Science, Lot 1431836		(Purchased Reagent)		Silver	50 mg/L
ICPMS CAL #4_00011	06/30/15	03/30/15	H2O, Lot 020713	1000 mL	ICPMS-CAL_00001	5 mL	Arsenic	50 ug/L
							Lead	50 ug/L
.ICPMS-CAL_00001	01/01/16		CPI, Lot 1068277		(Purchased Reagent)		Arsenic	10 mg/L
							Lead	10 mg/L
ICPMS ICV_00013	06/30/15	03/30/15	H2O, Lot 122713	1000 mL	ICPMS-ICV1_00001	4 mL	Arsenic	40 ug/L
							Lead	40 ug/L
.ICPMS-ICV1_00001	12/17/15		High-Purity Standards, Lot 1415508		(Purchased Reagent)		Arsenic	10 mg/L
							Lead	10 mg/L
ICPMS RL_00017	06/30/15	03/30/15	H2O, Lot 020713	1000 mL	ICPMS-CAL_00001	0.2 mL	Arsenic	5 ug/L
							Lead	2 ug/L
					ICPMS RL SPK 00007	1 mL	Arsenic	5 ug/L
.ICPMS-CAL_00001	01/01/16		CPI, Lot 1068277		(Purchased Reagent)		Arsenic	10 mg/L
							Lead	10 mg/L
.ICPMS RL SPK 00007	09/30/15	07/08/14	H2O, Lot 053013	1000 mL	As-1000_00002	3 mL	Arsenic	3 ug/mL
..As-1000_00002	06/30/16		AccuStandard, Lot 209075065-01		(Purchased Reagent)		Arsenic	1000 mg/L
ICPMS- ICSA_00008	12/01/15		Inorganic Ventures, Lot g2-meb503046		(Purchased Reagent)		Al	1000 ug/mL
							Ca	3000 ug/mL
							Fe	2500 ug/mL
							K	1000 ug/mL
							Mg	1000 ug/mL
							Mo	20 ug/mL
							P	1000 ug/mL
							Ti	20 ug/mL
ICPMS-ICSB_00008	12/01/15		Inorganic Ventures, Lot f2-meb429070		(Purchased Reagent)		Arsenic	10 ug/mL
							Cadmium	10 ug/mL
							Chromium	20 ug/mL
							Co	20 ug/mL
							Cu	20 ug/mL
							Mn	20 ug/mL
							Ni	20 ug/mL
							Selenium	10 ug/mL
							Silver	5 ug/mL
							V	20 ug/mL
							Zn	10 ug/mL
m-GPS-1_00036	03/01/16		Ibis Scientific, Lot 1070394		(Purchased Reagent)		Al	500 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Arsenic	200 ppm
							Barium	200 ppm
							Be	5 ppm
							Cadmium	5 ppm
							Chromium	20 ppm
							Co	50 ppm
							Cu	25 ppm
							Fe	100 ppm
							Lead	50 ppm
							Mn	50 ppm
							Ni	50 ppm
							Sb	50 ppm
							Selenium	200 ppm
							Silver	5 ppm
							Tl	200 ppm
							V	50 ppm
							Zn	200 ppm
m-GPS-2_00028	03/01/16		Ibis Scientific, Lot 1070435			(Purchased Reagent)	Sb	100 ppm
							Silver	25 ppm
m-GPS-3_00030	03/01/16		Ibis Scientific, Lot 1070438			(Purchased Reagent)	Ca	1000 ppm
							Fe	1000 ppm
							K	1000 ppm
							Mg	1000 ppm
							Na	1000 ppm
							P	1000 ppm
							Si	1000 ppm
							SiO2	2140 ppm
m-GPS-4_00030	03/01/16		Ibis Scientific, Lot 1070440			(Purchased Reagent)	B	250 ppm
							Mo	250 ppm
							Sn	250 ppm
							Ti	250 ppm
SRMsolid_00010	03/31/18		ERA, Lot D086-540			(Purchased Reagent)	Al	7460 mg/Kg
							Arsenic	139 mg/Kg
							B	133 mg/Kg
							Barium	203 mg/Kg
							Be	96.1 mg/Kg
							Ca	6040 mg/Kg
							Cadmium	96 mg/Kg
							Chromium	136 mg/Kg
							Co	148 mg/Kg
							Cu	168 mg/Kg
							Fe	14100 mg/Kg
							K	2540 mg/Kg
							Lead	133 mg/Kg
							Mercury	12.9 mg/Kg
							Mg	2800 mg/Kg

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Mn	297 mg/Kg
							Mo	112 mg/Kg
							Na	761 mg/Kg
							Ni	123 mg/Kg
							Sb	88.8 mg/Kg
							Selenium	177 mg/Kg
							Silver	40.2 mg/Kg
							Sn	132 mg/Kg
							Sr	101 mg/Kg
							Ti	306 mg/Kg
							Tl	138 mg/Kg
							V	107 mg/Kg
							Zn	189 mg/Kg

METALS

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METALS

Lab Name: TestAmerica Seattle

Job Number: 580-49777-1

SDG No.: _____

Project: Everett Uplands - 2015 Mapping and Sampl

Client Sample ID	Lab Sample ID
TCLP-351-A	580-49777-1
TCLP-361-A	580-49777-2
TCLP-350-A	580-49777-3
TCLP-350-B	580-49777-4
TCLP-358-A	580-49777-5
TCLP-358-B	580-49777-6
TCLP-359-A	580-49777-7
TCLP-365-A	580-49777-8
TCLP-352-B	580-49777-9
TCLP-352-A	580-49777-10
TCLP-362-A	580-49777-11
TCLP-365-B	580-49777-12
TCLP-356-A	580-49777-13
TCLP-363-A	580-49777-14
TCLP-370-A	580-49777-15
TCLP-364-A	580-49777-16
TCLP-370-B	580-49777-17
TCLP-371-A	580-49777-18
351-A-05-B-1	580-49777-19
361-A-01-D-1	580-49777-20
361-A-04-B-1	580-49777-21
350-A-06-B-1	580-49777-22
350-A-07-A-1	580-49777-23
350-B-04-B-1	580-49777-24
358-A-04-B-1	580-49777-25
358-B-02-B-1	580-49777-26
359-A-03-B-1	580-49777-27
359-A-08-B-1	580-49777-28
COMP-359-X-A	580-49777-29
365-A-01-B-1	580-49777-30
352-B-01-B-1	580-49777-31
COMP-352-X-A	580-49777-32
352-A-02-B-1	580-49777-33
362-A-06-B-1	580-49777-34
362-A-04-B-1	580-49777-35
365-B-03-B-1	580-49777-36
365-B-03-A-1	580-49777-37
COMP-365-B-X-A	580-49777-38
356-A-03-B-1	580-49777-39
356-A-06-B-1	580-49777-40
363-A-04-B-1	580-49777-41
363-A-08-B-1	580-49777-42
370-A-01-B-1	580-49777-43
364-A-05-B-1	580-49777-44
370-B-04-B	580-49777-45

Comments:

COVER PAGE
METALS

Lab Name: TestAmerica Seattle Job Number: 580-49777-1

SDG No.: _____

Project: Everett Uplands - 2015 Mapping and Sampl

Client Sample ID	Lab Sample ID
<u>364-A-07-B-1</u>	<u>580-49777-46</u>
<u>371-A-04-B</u>	<u>580-49777-47</u>
<u>371-A-06-B</u>	<u>580-49777-48</u>

Comments:

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-351-A

Lab Sample ID: 580-49777-1

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/15/2015 12:30

Reporting Basis: WET

Date Received: 05/08/2015 11:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.73	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0015	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.0033	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.0067	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L		H	1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-361-A

Lab Sample ID: 580-49777-2

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/15/2015 16:04

Reporting Basis: WET

Date Received: 05/08/2015 11:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.74	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0026	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.0040	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.034	0.030	0.0026	mg/L			1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L		H	1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-350-A

Lab Sample ID: 580-49777-3

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/17/2015 13:45

Reporting Basis: WET

Date Received: 05/08/2015 11:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.64	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0017	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.0095	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-350-B

Lab Sample ID: 580-49777-4

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/17/2015 16:13

Reporting Basis: WET

Date Received: 05/08/2015 11:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.48	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0019	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.0036	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.012	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-358-A

Lab Sample ID: 580-49777-5

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/17/2015 17:29

Reporting Basis: WET

Date Received: 05/08/2015 11:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.68	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0027	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.0034	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.061	0.030	0.0026	mg/L			1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-358-B

Lab Sample ID: 580-49777-6

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/17/2015 18:52

Reporting Basis: WET

Date Received: 05/08/2015 11:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0049	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.67	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0045	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.0042	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.070	0.030	0.0026	mg/L			1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-359-A

Lab Sample ID: 580-49777-7

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/21/2015 10:16

Reporting Basis: WET

Date Received: 05/08/2015 11:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.54	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.00090	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.0033	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	ND	0.030	0.0026	mg/L			1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-365-A

Lab Sample ID: 580-49777-8

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/21/2015 12:07

Reporting Basis: WET

Date Received: 05/08/2015 11:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.42	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0020	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.0085	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-352-B

Lab Sample ID: 580-49777-9

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/21/2015 14:05

Reporting Basis: WET

Date Received: 05/08/2015 11:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.59	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0028	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.0042	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.024	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-352-A

Lab Sample ID: 580-49777-10

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/21/2015 15:20

Reporting Basis: WET

Date Received: 05/08/2015 11:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.57	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0025	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.0038	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.025	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-362-A

Lab Sample ID: 580-49777-11

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/23/2015 11:03

Reporting Basis: WET

Date Received: 05/08/2015 11:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.010	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.62	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0026	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.0047	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.077	0.030	0.0026	mg/L			1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-365-B

Lab Sample ID: 580-49777-12

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/23/2015 13:40

Reporting Basis: WET

Date Received: 05/08/2015 11:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0069	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.40	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0018	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.024	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-356-A

Lab Sample ID: 580-49777-13

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/23/2015 16:30

Reporting Basis: WET

Date Received: 05/08/2015 11:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0056	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.53	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0032	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.0041	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.029	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-363-A

Lab Sample ID: 580-49777-14

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/27/2015 14:22

Reporting Basis: WET

Date Received: 05/08/2015 11:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0055	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.72	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0022	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.011	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.042	0.030	0.0026	mg/L			1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-370-A

Lab Sample ID: 580-49777-15

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/27/2015 18:11

Reporting Basis: WET

Date Received: 05/08/2015 11:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.64	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0016	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.0035	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.0092	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-364-A

Lab Sample ID: 580-49777-16

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/29/2015 11:28

Reporting Basis: WET

Date Received: 05/08/2015 11:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.74	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0035	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.0037	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.022	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-370-B

Lab Sample ID: 580-49777-17

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/29/2015 16:15

Reporting Basis: WET

Date Received: 05/08/2015 11:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.59	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0018	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.0042	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.014	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-371-A

Lab Sample ID: 580-49777-18

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/30/2015 13:16

Reporting Basis: WET

Date Received: 05/08/2015 11:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.55	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0012	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.0034	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.018	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 351-A-05-B-1

Lab Sample ID: 580-49777-19

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/15/2015 11:59

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 78.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	41	0.59	0.21	mg/Kg		F1	10	6020
7439-92-1	Lead	90	0.59	0.056	mg/Kg		F1	10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 361-A-01-D-1

Lab Sample ID: 580-49777-20

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/15/2015 14:24

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 73.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	52	0.62	0.22	mg/Kg			10	6020
7439-92-1	Lead	110	0.62	0.059	mg/Kg			10	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 361-A-04-B-1

Lab Sample ID: 580-49777-21

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.:

Matrix: Solid

Date Sampled: 04/15/2015 15:40

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 77.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	62	0.60	0.22	mg/Kg			10	6020
7439-92-1	Lead	170	0.60	0.058	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 350-A-06-B-1

Lab Sample ID: 580-49777-22

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/17/2015 12:36

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 74.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	50	0.66	0.24	mg/Kg			10	6020
7439-92-1	Lead	200	0.66	0.063	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 350-A-07-A-1

Lab Sample ID: 580-49777-23

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/17/2015 13:20

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 84.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	18	0.59	0.21	mg/Kg			10	6020
7439-92-1	Lead	28	0.59	0.056	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 350-B-04-B-1

Lab Sample ID: 580-49777-24

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/17/2015 15:55

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 78.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	40	0.56	0.20	mg/Kg			10	6020
7439-92-1	Lead	170	0.56	0.054	mg/Kg			10	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 358-A-04-B-1

Lab Sample ID: 580-49777-25

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.:

Matrix: Solid

Date Sampled: 04/17/2015 17:28

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 78.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	46	0.54	0.20	mg/Kg			10	6020
7439-92-1	Lead	200	0.54	0.052	mg/Kg		F1	10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 358-B-02-B-1

Lab Sample ID: 580-49777-26

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/17/2015 18:39

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 78.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	43	0.60	0.22	mg/Kg			10	6020
7439-92-1	Lead	220	0.60	0.058	mg/Kg			10	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 359-A-03-B-1

Lab Sample ID: 580-49777-27

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/21/2015 10:07

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 79.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	28	0.59	0.21	mg/Kg			10	6020
7439-92-1	Lead	48	0.59	0.057	mg/Kg			10	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 359-A-08-B-1

Lab Sample ID: 580-49777-28

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/21/2015 10:14

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 89.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	18	0.55	0.20	mg/Kg			10	6020
7439-92-1	Lead	150	0.55	0.052	mg/Kg			10	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: COMP-359-X-A

Lab Sample ID: 580-49777-29

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/21/2015 10:30

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 84.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	12	0.56	0.20	mg/Kg			10	6020
7439-92-1	Lead	64	0.56	0.054	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 365-A-01-B-1

Lab Sample ID: 580-49777-30

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/21/2015 11:58

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 73.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	110	0.62	0.22	mg/Kg			10	6020
7439-92-1	Lead	260	0.62	0.060	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 352-B-01-B-1

Lab Sample ID: 580-49777-31

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/21/2015 13:59

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 73.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	50	0.61	0.22	mg/Kg			10	6020
7439-92-1	Lead	200	0.61	0.058	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: COMP-352-X-A

Lab Sample ID: 580-49777-32

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/21/2015 14:03

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 78.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	23	0.56	0.20	mg/Kg			10	6020
7439-92-1	Lead	170	0.56	0.054	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 352-A-02-B-1

Lab Sample ID: 580-49777-33

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/21/2015 15:12

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 75.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	67	0.62	0.22	mg/Kg			10	6020
7439-92-1	Lead	200	0.62	0.060	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 362-A-06-B-1

Lab Sample ID: 580-49777-34

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/23/2015 10:35

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 82.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	32	0.56	0.20	mg/Kg			10	6020
7439-92-1	Lead	860	0.56	0.054	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 362-A-04-B-1

Lab Sample ID: 580-49777-35

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/23/2015 10:47

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 84.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	51	0.57	0.21	mg/Kg			10	6020
7439-92-1	Lead	360	0.57	0.055	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 365-B-03-B-1

Lab Sample ID: 580-49777-36

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/23/2015 13:05

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 82.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	41	0.59	0.21	mg/Kg			10	6020
7439-92-1	Lead	97	0.59	0.056	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 365-B-03-A-1

Lab Sample ID: 580-49777-37

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/23/2015 13:17

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 74.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	44	0.62	0.22	mg/Kg			10	6020
7439-92-1	Lead	190	0.62	0.059	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: COMP-365-B-X-A

Lab Sample ID: 580-49777-38

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/23/2015 13:29

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 82.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	26	0.59	0.21	mg/Kg			10	6020
7439-92-1	Lead	70	0.59	0.057	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 356-A-03-B-1

Lab Sample ID: 580-49777-39

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/23/2015 16:24

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 81.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	31	0.59	0.21	mg/Kg			10	6020
7439-92-1	Lead	150	0.59	0.057	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 356-A-06-B-1

Lab Sample ID: 580-49777-40

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/23/2015 16:25

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 76.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	54	0.62	0.22	mg/Kg			10	6020
7439-92-1	Lead	140	0.62	0.060	mg/Kg			10	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 363-A-04-B-1

Lab Sample ID: 580-49777-41

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/27/2015 10:42

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 83.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	30	0.58	0.21	mg/Kg			10	6020
7439-92-1	Lead	130	0.58	0.055	mg/Kg			10	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 363-A-08-B-1

Lab Sample ID: 580-49777-42

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.:

Matrix: Solid

Date Sampled: 04/27/2015 11:32

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 88.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	27	0.50	0.18	mg/Kg			10	6020
7439-92-1	Lead	280	0.50	0.048	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 370-A-01-B-1

Lab Sample ID: 580-49777-43

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/27/2015 16:04

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 76.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	34	0.62	0.22	mg/Kg			10	6020
7439-92-1	Lead	81	0.62	0.060	mg/Kg			10	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 364-A-05-B-1

Lab Sample ID: 580-49777-44

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/29/2015 09:04

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 75.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	43	0.60	0.22	mg/Kg			10	6020
7439-92-1	Lead	110	0.60	0.058	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 370-B-04-B

Lab Sample ID: 580-49777-45

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/29/2015 13:51

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 81.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	18	0.60	0.22	mg/Kg			10	6020
7439-92-1	Lead	56	0.60	0.058	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 364-A-07-B-1

Lab Sample ID: 580-49777-46

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/29/2015 09:26

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 79.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	23	0.62	0.22	mg/Kg			10	6020
7439-92-1	Lead	66	0.62	0.060	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 371-A-04-B

Lab Sample ID: 580-49777-47

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/30/2015 09:35

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 77.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	32	0.60	0.22	mg/Kg			10	6020
7439-92-1	Lead	93	0.60	0.058	mg/Kg			10	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 371-A-06-B

Lab Sample ID: 580-49777-48

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 04/30/2015 09:51

Reporting Basis: DRY

Date Received: 05/08/2015 11:25

% Solids: 79.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	32	0.56	0.20	mg/Kg			10	6020
7439-92-1	Lead	75	0.56	0.054	mg/Kg			10	6020

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

ICV Source: ICP ICV-2_00049 Concentration Units: mg/L

CCV Source: ICP CCV_00064

Analyte	ICV 580-189727/6 05/18/2015 10:48				CCV 580-189727/11 05/18/2015 13:10				CCV 580-189727/23 05/18/2015 13:47			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	2.49		2.50	100	5.11		5.00	102	5.11		5.00	102
Barium	0.263		0.250	105	5.25		5.00	105	5.23		5.00	105
Cadmium	0.270		0.250	108	1.06		1.00	106	1.06		1.00	106
Chromium	1.04		1.00	104	1.07		1.00	107	1.07		1.00	107
Lead	1.02		1.00	102	5.12		5.00	102	5.14		5.00	103
Selenium	5.12		5.00	102	5.21		5.00	104	5.21		5.00	104
Silver	0.500		0.500	100	0.496		0.500	99	0.504		0.500	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

ICV Source: ICP ICV-2_00049 Concentration Units: mg/L

CCV Source: ICP CCV_00064

Analyte	CCV 580-189727/35 05/18/2015 14:26				CCV 580-189727/47 05/18/2015 15:06							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	4.88		5.00	98	4.95		5.00	99				
Barium	5.05		5.00	101	5.11		5.00	102				
Cadmium	0.985		1.00	99	1.01		1.00	101				
Chromium	1.00		1.00	100	1.02		1.00	102				
Lead	4.82		5.00	96	4.95		5.00	99				
Selenium	5.03		5.00	101	5.08		5.00	102				
Silver	0.460		0.500	92	0.477		0.500	95				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

ICV Source: ICP ICV-2_00049 Concentration Units: mg/L

CCV Source: ICP CCV_00064

Analyte	ICV 580-189888/6 05/19/2015 10:45				CCV 580-189888/32 05/19/2015 12:07				CCV 580-189888/44 05/19/2015 12:44			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	2.47		2.50	99	5.03		5.00	101	4.97		5.00	99
Barium	0.265		0.250	106	5.06		5.00	101	5.01		5.00	100
Cadmium	0.265		0.250	106	1.04		1.00	104	1.02		1.00	102
Chromium	1.03		1.00	103	1.04		1.00	104	1.02		1.00	102
Lead	0.991		1.00	99	5.03		5.00	101	4.93		5.00	99
Selenium	5.04		5.00	101	5.06		5.00	101	5.03		5.00	101
Silver	0.501		0.500	100	0.513		0.500	103	0.500		0.500	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

ICV Source: ICP ICV-2_00049 Concentration Units: mg/L

CCV Source: ICP CCV_00064

Analyte	CCV 580-189888/49 05/19/2015 13:00											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	5.06		5.00	101								
Barium	5.13		5.00	103								
Cadmium	1.03		1.00	103								
Chromium	1.03		1.00	103								
Lead	5.00		5.00	100								
Selenium	5.15		5.00	103								
Silver	0.497		0.500	99								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

ICV Source: ICPMS ICV_00013 Concentration Units: mg/L

CCV Source: ICPMS CAL #4_00011

Analyte	ICV 580-190067/7 05/20/2015 09:28				CCV 580-190067/12 05/20/2015 16:51				CCV 580-190067/24 05/20/2015 17:43			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0395		0.0400	99	0.0528		0.0500	106	0.0513		0.0500	103
Lead	0.0386		0.0400	96	0.0511		0.0500	102	0.0493		0.0500	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

ICV Source: ICPMS ICV_00013 Concentration Units: mg/L

CCV Source: ICPMS CAL #4_00011

Analyte	CCV 580-190067/31 05/20/2015 18:17											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0525		0.0500	105								
Lead	0.0505		0.0500	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

ICV Source: ICPMS ICV_00013 Concentration Units: mg/L

CCV Source: ICPMS CAL #4_00011

Analyte	ICV 580-190150/7 05/21/2015 12:47				CCV 580-190150/37 05/21/2015 15:04				CCV 580-190150/50 05/21/2015 16:00			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0380		0.0400	95	0.0484		0.0500	97	0.0477		0.0500	95
Lead	0.0377		0.0400	94	0.0498		0.0500	100	0.0492		0.0500	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

ICV Source: ICPMS ICV_00013 Concentration Units: mg/L

CCV Source: ICPMS CAL #4_00011

Analyte	CCV 580-190150/61 05/21/2015 16:51				CCV 580-190150/68 05/21/2015 17:25				CCV 580-190150/102 05/21/2015 19:56			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0479		0.0500	96	0.0478		0.0500	96	0.0497		0.0500	99
Lead	0.0489		0.0500	98	0.0494		0.0500	99	0.0512		0.0500	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

ICV Source: ICPMS ICV_00013 Concentration Units: mg/L

CCV Source: ICPMS CAL #4_00011

Analyte	CCV 580-190150/115 05/21/2015 20:52				CCV 580-190150/126 05/21/2015 21:44							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0481		0.0500	96	0.0487		0.0500	97				
Lead	0.0490		0.0500	98	0.0502		0.0500	100				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

ICV Source: ICPMS ICV_00013 Concentration Units: mg/L

CCV Source: ICPMS RL_00017

Analyte	ICV 580-190150/7 05/21/2015 12:47				CCVL 580-190150/38 05/21/2015 15:08				CCVL 580-190150/90 05/21/2015 19:04			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0380		0.0400	95	0.00465		0.00500	93	0.00477		0.00500	95
Lead	0.0377		0.0400	94	0.00189		0.00200	95	0.00190		0.00200	95

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

ICV Source: ICPMS ICV_00013 Concentration Units: mg/L

CCV Source: ICPMS RL_00017

Analyte	CCVL 580-190150/103 05/21/2015 20:00											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.00472		0.00500	94								
Lead	0.00195		0.00200	97								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00028 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00025

Analyte	ICV 580-189705/7 05/18/2015 11:21				CCV 580-189705/9 05/18/2015 11:31				CCV 580-189705/19 05/18/2015 11:55			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00396		0.00400	99	0.00529		0.00500	106	0.00496		0.00500	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00028 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00025

Analyte	CCV 580-189705/31 05/18/2015 12:23				CCV 580-189705/41 05/18/2015 12:47							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00516		0.00500	103	0.00498		0.00500	100				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00028 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00025

Analyte	ICV 580-189735/7 05/18/2015 15:21				CCV 580-189735/41 05/18/2015 16:49				CCV 580-189735/47 05/18/2015 17:03			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00395		0.00400	99	0.00526		0.00500	105	0.00522		0.00500	104

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00028 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00025

Analyte	CCV 580-189735/59 05/18/2015 17:32											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00526		0.00500	105								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1
 SDG No.: _____
 Method: 6010B Instrument ID: TAC047
 Lab Sample ID: CRI 580-189727/8 Concentration Units: mg/L
 CRQL Check Standard Source: ICP-RL_00028

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.0600	0.0567	J	95	50-150
Barium	0.0100	0.0102		102	50-150
Cadmium	0.0100	0.0104	J	104	50-150
Chromium	0.0250	0.0258		103	50-150
Lead	0.0300	0.0300		100	50-150
Selenium	0.100	0.102		102	50-150
Silver	0.0500	0.0502		100	50-150

Lab Sample ID: CRI 580-189888/8 Concentration Units: mg/L
 CRQL Check Standard Source: ICP-RL_00028

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.0600	0.0607		101	50-150
Barium	0.0100	0.0114		114	50-150
Cadmium	0.0100	0.0108	J	108	50-150
Chromium	0.0250	0.0266		106	50-150
Lead	0.0300	0.0314		105	50-150
Selenium	0.100	0.103		103	50-150
Silver	0.0500	0.0486	J	97	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1
 SDG No.: _____
 Method: 6020 Instrument ID: SEA044
 Lab Sample ID: CRI 580-190067/9 Concentration Units: mg/L
 CRQL Check Standard Source: ICPMS RL_00017

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.00500	0.00485		97	50-150
Lead	0.00200	0.00187		94	50-150

Lab Sample ID: CRI 580-190150/9 Concentration Units: mg/L
 CRQL Check Standard Source: ICPMS RL_00017

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.00500	0.00485		97	50-150
Lead	0.00200	0.00190		95	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-189727/7 05/18/2015 10:51		CCB 580-189727/12 05/18/2015 13:13		CCB 580-189727/24 05/18/2015 13:50		CCB 580-189727/36 05/18/2015 14:29	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.060	ND		ND		0.00550	J	ND	
Barium	0.010	ND		0.00270	J	0.00310	J	0.00230	J
Cadmium	0.020	ND		0.000500	J	ND		ND	
Chromium	0.025	ND		ND		ND		ND	
Lead	0.030	ND		ND		ND		ND	
Selenium	0.10	ND		ND		ND		ND	
Silver	0.050	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	CCB 580-189727/48 05/18/2015 15:09							
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.060	ND							
Barium	0.010	0.00220	J						
Cadmium	0.020	ND							
Chromium	0.025	ND							
Lead	0.030	ND							
Selenium	0.10	ND							
Silver	0.050	ND							

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-189888/7 05/19/2015 10:48		CCB 580-189888/33 05/19/2015 12:09		CCB 580-189888/45 05/19/2015 12:47		CCB 580-189888/50 05/19/2015 13:03	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.060	ND		ND		ND		ND	
Barium	0.010	0.00210	J	0.00450	J	0.00500	J	0.00380	J
Cadmium	0.020	ND		0.000700	J	0.000500	J	ND	
Chromium	0.025	ND		ND		ND		ND	
Lead	0.030	ND		0.00390	J	ND		0.00340	J
Selenium	0.10	ND		ND		ND		ND	
Silver	0.050	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-190067/8 05/20/2015 09:32		CCB 580-190067/13 05/20/2015 16:56		CCB 580-190067/25 05/20/2015 17:47		CCB 580-190067/32 05/20/2015 18:22	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.0010	ND		ND		ND		ND	
Lead	0.00040	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-190150/8 05/21/2015 12:51		CCB 580-190150/39 05/21/2015 15:13		CCB 580-190150/51 05/21/2015 16:04		CCB 580-190150/62 05/21/2015 16:55	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.0010	ND		ND		ND		ND	
Lead	0.00040	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	CCB 580-190150/69 05/21/2015 17:29		CCB 580-190150/104 05/21/2015 20:05		CCB 580-190150/116 05/21/2015 20:56		CCB 580-190150/127 05/21/2015 21:48	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.0010	ND		ND		ND		ND	
Lead	0.00040	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-189705/8 05/18/2015 11:23		CCB 580-189705/10 05/18/2015 11:33		CCB 580-189705/20 05/18/2015 11:57		CCB 580-189705/32 05/18/2015 12:26	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.00020	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	CCB 580-189705/42 05/18/2015 12:49							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.00020	ND							

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-189735/8 05/18/2015 15:24		CCB 580-189735/42 05/18/2015 16:51		CCB 580-189735/48 05/18/2015 17:05		CCB 580-189735/60 05/18/2015 17:34	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.00020	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Seattle Job No.: 580-49777-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 580-189464/1-C
Instrument Code: TAC047 Batch No.: 189727

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	0.00140	J		6010B
7440-43-9	Cadmium	ND			6010B
7440-47-3	Chromium	ND			6010B
7439-92-1	Lead	ND			6010B
7782-49-2	Selenium	ND			6010B
7440-22-4	Silver	ND			6010B

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Seattle Job No.: 580-49777-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 580-189636/1-B
Instrument Code: TAC047 Batch No.: 189888

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	0.00800	J		6010B
7440-43-9	Cadmium	ND			6010B
7440-47-3	Chromium	ND			6010B
7439-92-1	Lead	ND			6010B
7782-49-2	Selenium	ND			6010B
7440-22-4	Silver	ND			6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1
SDG No.: _____
Concentration Units: mg/Kg Lab Sample ID: MB 580-189961/20-A
Instrument Code: SEA044 Batch No.: 190067

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6020
7439-92-1	Lead	ND			6020

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1
SDG No.: _____
Concentration Units: mg/Kg Lab Sample ID: MB 580-190072/19-A
Instrument Code: SEA044 Batch No.: 190150

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6020
7439-92-1	Lead	ND			6020

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1
SDG No.: _____
Concentration Units: mg/Kg Lab Sample ID: MB 580-190088/14-A
Instrument Code: SEA044 Batch No.: 190150

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6020
7439-92-1	Lead	ND			6020

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 580-189601/24-A
Instrument Code: TAC104 Batch No.: 189705

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 580-189706/11-A
Instrument Code: TAC104 Batch No.: 189735

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Lab Sample ID: ICSA 580-189727/9

Instrument ID: TAC047

Lab File ID: 189598 668.asc

ICS Source: ICP ICSA_00068

Concentration Units: mg/L

Analyte	True		Percent Recovery
	Solution A	Found Solution A	
Arsenic		0.0100	
Barium		0.0008	
Cadmium		-0.0063	
Chromium		0.0005	
Lead		0.0147	
Selenium		0.0387	
Silver		-0.0003	
<i>Aluminum</i>	<i>500</i>	<i>523</i>	<i>105</i>
<i>Antimony</i>		<i>-0.0081</i>	
<i>Beryllium</i>		<i>0.0000</i>	
<i>Bismuth</i>		<i>-0.0047</i>	
<i>Boron</i>		<i>0.0038</i>	
<i>Calcium</i>	<i>500</i>	<i>516</i>	<i>103</i>
<i>Cobalt</i>		<i>0.0007</i>	
<i>Copper</i>		<i>0.0156</i>	
<i>Iron</i>	<i>500</i>	<i>498</i>	<i>100</i>
<i>Magnesium</i>	<i>500</i>	<i>517</i>	<i>103</i>
<i>Manganese</i>		<i>-0.0102</i>	
<i>Molybdenum</i>		<i>-0.0050</i>	
<i>Nickel</i>		<i>-0.0108</i>	
<i>Phosphorus</i>		<i>-0.0088</i>	
<i>Potassium</i>		<i>-0.0595</i>	
<i>Silicon</i>		<i>0.0329</i>	
<i>Sodium</i>		<i>0.0589</i>	
<i>Strontium</i>		<i>0.0063</i>	
<i>Thallium</i>		<i>-0.0043</i>	
<i>Tin</i>		<i>0.0000</i>	
<i>Titanium</i>		<i>-0.0179</i>	
<i>Vanadium</i>		<i>-0.0049</i>	
<i>Zinc</i>		<i>0.0075</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Lab Sample ID: ICSAB 580-189727/10

Instrument ID: TAC047

Lab File ID: 189598 668.asc

ICS Source: ICP ICSAB_00056

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	10.0	10.7	107
Barium	3.00	3.20	107
Cadmium	3.00	3.05	102
Chromium	3.00	3.12	104
Lead	10.0	10.2	102
Selenium		5.29	
Silver	3.00	3.43	114
<i>Aluminum</i>	<i>500</i>	<i>521</i>	<i>104</i>
<i>Antimony</i>	<i>10.0</i>	<i>10.9</i>	<i>109</i>
<i>Beryllium</i>	<i>1.00</i>	<i>1.04</i>	<i>104</i>
<i>Bismuth</i>		<i>-0.0067</i>	
<i>Boron</i>	<i>5.00</i>	<i>5.21</i>	<i>104</i>
<i>Calcium</i>	<i>500</i>	<i>516</i>	<i>103</i>
<i>Cobalt</i>	<i>3.00</i>	<i>3.06</i>	<i>102</i>
<i>Copper</i>	<i>3.00</i>	<i>3.16</i>	<i>105</i>
<i>Iron</i>	<i>500</i>	<i>503</i>	<i>101</i>
<i>Magnesium</i>	<i>500</i>	<i>514</i>	<i>103</i>
<i>Manganese</i>	<i>2.00</i>	<i>2.02</i>	<i>101</i>
<i>Molybdenum</i>	<i>3.00</i>	<i>3.12</i>	<i>104</i>
<i>Nickel</i>	<i>3.00</i>	<i>3.01</i>	<i>100</i>
<i>Phosphorus</i>		<i>-0.0069</i>	
<i>Potassium</i>	<i>200</i>	<i>219</i>	<i>109</i>
<i>Silicon</i>	<i>2.50</i>	<i>2.34</i>	<i>94</i>
<i>Sodium</i>		<i>0.0619</i>	
<i>Strontium</i>		<i>0.0062</i>	
<i>Thallium</i>	<i>10.0</i>	<i>9.89</i>	<i>99</i>
<i>Tin</i>		<i>-0.0005</i>	
<i>Titanium</i>	<i>10.0</i>	<i>10.3</i>	<i>103</i>
<i>Vanadium</i>	<i>3.00</i>	<i>3.05</i>	<i>102</i>
<i>Zinc</i>	<i>3.00</i>	<i>3.03</i>	<i>101</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Lab Sample ID: ICSA 580-189888/9

Instrument ID: TAC047

Lab File ID: 189715 703 717 730 749 748.a

ICS Source: ICP ICSA_00068

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		0.0092	
Barium		0.0024	
Cadmium		-0.0079	
Cadmium		-0.0014	
Chromium		-0.0002	
Lead		0.0189	
Selenium		0.0472	
Silver		0.0095	
<i>Aluminum</i>	<i>500</i>	<i>551</i>	<i>110</i>
<i>Antimony</i>		<i>-0.0063</i>	
<i>Beryllium</i>		<i>0.0001</i>	
<i>Bismuth</i>		<i>-0.0046</i>	
<i>Boron</i>		<i>0.0084</i>	
<i>Calcium</i>	<i>500</i>	<i>547</i>	<i>109</i>
<i>Cobalt</i>		<i>0.0002</i>	
<i>Copper</i>		<i>0.0117</i>	
<i>Iron</i>	<i>500</i>	<i>536</i>	<i>107</i>
<i>Magnesium</i>	<i>500</i>	<i>549</i>	<i>110</i>
<i>Manganese</i>		<i>-0.0091</i>	
<i>Molybdenum</i>		<i>-0.0079</i>	
<i>Nickel</i>		<i>-0.0073</i>	
<i>Phosphorus</i>		<i>-0.0050</i>	
<i>Potassium</i>		<i>0.0099</i>	
<i>Silicon</i>		<i>0.0456</i>	
<i>Sodium</i>		<i>0.0548</i>	
<i>Strontium</i>		<i>0.0084</i>	
<i>Thallium</i>		<i>0.0005</i>	
<i>Tin</i>		<i>-0.0001</i>	
<i>Titanium</i>		<i>-0.0211</i>	
<i>Vanadium</i>		<i>-0.0037</i>	
<i>Zinc</i>		<i>0.0080</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Lab Sample ID: ICSAB 580-189888/10

Instrument ID: TAC047

Lab File ID: 189715 703 717 730 749 748.a

ICS Source: ICP ICSAB_00056

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	10.0	10.8	108
Barium	3.00	3.21	107
Cadmium	3.00	3.06	102
Cadmium	3.00	3.20	107
Chromium	3.00	3.14	105
Lead	10.0	10.2	102
Selenium		5.31	
Silver	3.00	3.44	115
<i>Aluminum</i>	<i>500</i>	<i>525</i>	<i>105</i>
<i>Antimony</i>	<i>10.0</i>	<i>10.9</i>	<i>109</i>
<i>Beryllium</i>	<i>1.00</i>	<i>1.06</i>	<i>106</i>
<i>Bismuth</i>		<i>-0.0066</i>	
<i>Boron</i>	<i>5.00</i>	<i>5.30</i>	<i>106</i>
<i>Calcium</i>	<i>500</i>	<i>520</i>	<i>104</i>
<i>Cobalt</i>	<i>3.00</i>	<i>3.09</i>	<i>103</i>
<i>Copper</i>	<i>3.00</i>	<i>3.16</i>	<i>105</i>
<i>Iron</i>	<i>500</i>	<i>513</i>	<i>103</i>
<i>Magnesium</i>	<i>500</i>	<i>521</i>	<i>104</i>
<i>Manganese</i>	<i>2.00</i>	<i>2.07</i>	<i>104</i>
<i>Molybdenum</i>	<i>3.00</i>	<i>3.14</i>	<i>105</i>
<i>Nickel</i>	<i>3.00</i>	<i>3.05</i>	<i>102</i>
<i>Phosphorus</i>		<i>-0.0086</i>	
<i>Potassium</i>	<i>200</i>	<i>220</i>	<i>110</i>
<i>Silicon</i>	<i>2.50</i>	<i>2.39</i>	<i>96</i>
<i>Sodium</i>		<i>0.0846</i>	
<i>Strontium</i>		<i>0.0077</i>	
<i>Thallium</i>	<i>10.0</i>	<i>9.99</i>	<i>100</i>
<i>Tin</i>		<i>-0.0004</i>	
<i>Titanium</i>	<i>10.0</i>	<i>10.5</i>	<i>105</i>
<i>Vanadium</i>	<i>3.00</i>	<i>3.11</i>	<i>104</i>
<i>Zinc</i>	<i>3.00</i>	<i>3.03</i>	<i>101</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Lab Sample ID: ICSA 580-190067/10

Instrument ID: SEA044

Lab File ID: 021SMPL.D

ICS Source: ICPMS- ICSA_00008

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		0.0002	
Lead		0.0001	
<i>Aluminum</i>	<i>20.0</i>	<i>20.4</i>	<i>102</i>
<i>Antimony</i>		<i>0.0000</i>	
<i>Barium</i>		<i>0.0001</i>	
<i>Beryllium</i>		<i>0.0000</i>	
<i>Cadmium</i>		<i>0.0000</i>	
<i>Calcium</i>	<i>60.0</i>	<i>62.0</i>	<i>103</i>
<i>Chromium</i>		<i>0.0007</i>	
<i>Cobalt</i>		<i>0.0000</i>	
<i>Copper</i>		<i>0.0002</i>	
<i>Iron</i>	<i>50.0</i>	<i>49.5</i>	<i>99</i>
<i>Magnesium</i>	<i>20.0</i>	<i>19.4</i>	<i>97</i>
<i>Manganese</i>		<i>0.0003</i>	
<i>Mercury</i>		<i>0.0000</i>	
<i>Molybdenum</i>	<i>0.400</i>	<i>0.473</i>	<i>118</i>
<i>Nickel</i>		<i>0.0001</i>	
<i>Phosphorus</i>	<i>20.0</i>	<i>20.1</i>	<i>101</i>
<i>Potassium</i>	<i>20.0</i>	<i>19.1</i>	<i>95</i>
<i>Selenium</i>		<i>0.0001</i>	
<i>Silver</i>		<i>0.0000</i>	
<i>Strontium</i>		<i>0.0002</i>	
<i>Thallium</i>		<i>0.0000</i>	
<i>Tin</i>		<i>0.0002</i>	
<i>Titanium</i>	<i>0.400</i>	<i>0.406</i>	<i>102</i>
<i>Uranium</i>		<i>0.0000</i>	
<i>Vanadium</i>		<i>0.0001</i>	
<i>Zinc</i>		<i>0.0006</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Lab Sample ID: ICSAB 580-190067/11

Instrument ID: SEA044

Lab File ID: 022SMPL.D

ICS Source: ICPMS- ICSA_00008

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	0.0200	0.0206	103
Lead		0.0001	
<i>Aluminum</i>	<i>20.0</i>	<i>20.1</i>	<i>101</i>
<i>Antimony</i>		<i>0.0000</i>	
<i>Barium</i>		<i>0.0001</i>	
<i>Beryllium</i>		<i>0.0000</i>	
<i>Cadmium</i>	<i>0.0200</i>	<i>0.0211</i>	<i>105</i>
<i>Calcium</i>	<i>60.0</i>	<i>62.2</i>	<i>104</i>
<i>Chromium</i>	<i>0.0400</i>	<i>0.0409</i>	<i>102</i>
<i>Cobalt</i>	<i>0.0400</i>	<i>0.0393</i>	<i>98</i>
<i>Copper</i>	<i>0.0400</i>	<i>0.0401</i>	<i>100</i>
<i>Iron</i>	<i>50.0</i>	<i>49.3</i>	<i>99</i>
<i>Magnesium</i>	<i>20.0</i>	<i>19.4</i>	<i>97</i>
<i>Manganese</i>	<i>0.0400</i>	<i>0.0403</i>	<i>101</i>
<i>Mercury</i>		<i>0.0000</i>	
<i>Molybdenum</i>	<i>0.400</i>	<i>0.455</i>	<i>114</i>
<i>Nickel</i>	<i>0.0400</i>	<i>0.0404</i>	<i>101</i>
<i>Phosphorus</i>	<i>20.0</i>	<i>20.0</i>	<i>100</i>
<i>Potassium</i>	<i>20.0</i>	<i>19.0</i>	<i>95</i>
<i>Selenium</i>	<i>0.0200</i>	<i>0.0202</i>	<i>101</i>
<i>Silver</i>	<i>0.0100</i>	<i>0.0101</i>	<i>101</i>
<i>Strontium</i>		<i>0.0002</i>	
<i>Thallium</i>		<i>0.0000</i>	
<i>Tin</i>		<i>0.0002</i>	
<i>Titanium</i>	<i>0.400</i>	<i>0.401</i>	<i>100</i>
<i>Uranium</i>		<i>0.0000</i>	
<i>Vanadium</i>	<i>0.0400</i>	<i>0.0400</i>	<i>100</i>
<i>Zinc</i>	<i>0.0200</i>	<i>0.0204</i>	<i>102</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Lab Sample ID: ICSAB 580-190067/11

Instrument ID: SEA044

Lab File ID: 022SMPL.D

ICS Source: ICPMS-ICSB_00008

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	0.0200	0.0206	103
Lead		0.0001	
<i>Aluminum</i>	<i>20.0</i>	<i>20.1</i>	<i>101</i>
<i>Antimony</i>		<i>0.0000</i>	
<i>Barium</i>		<i>0.0001</i>	
<i>Beryllium</i>		<i>0.0000</i>	
<i>Cadmium</i>	<i>0.0200</i>	<i>0.0211</i>	<i>105</i>
<i>Calcium</i>	<i>60.0</i>	<i>62.2</i>	<i>104</i>
<i>Chromium</i>	<i>0.0400</i>	<i>0.0409</i>	<i>102</i>
<i>Cobalt</i>	<i>0.0400</i>	<i>0.0393</i>	<i>98</i>
<i>Copper</i>	<i>0.0400</i>	<i>0.0401</i>	<i>100</i>
<i>Iron</i>	<i>50.0</i>	<i>49.3</i>	<i>99</i>
<i>Magnesium</i>	<i>20.0</i>	<i>19.4</i>	<i>97</i>
<i>Manganese</i>	<i>0.0400</i>	<i>0.0403</i>	<i>101</i>
<i>Mercury</i>		<i>0.0000</i>	
<i>Molybdenum</i>	<i>0.400</i>	<i>0.455</i>	<i>114</i>
<i>Nickel</i>	<i>0.0400</i>	<i>0.0404</i>	<i>101</i>
<i>Phosphorus</i>	<i>20.0</i>	<i>20.0</i>	<i>100</i>
<i>Potassium</i>	<i>20.0</i>	<i>19.0</i>	<i>95</i>
<i>Selenium</i>	<i>0.0200</i>	<i>0.0202</i>	<i>101</i>
<i>Silver</i>	<i>0.0100</i>	<i>0.0101</i>	<i>101</i>
<i>Strontium</i>		<i>0.0002</i>	
<i>Thallium</i>		<i>0.0000</i>	
<i>Tin</i>		<i>0.0002</i>	
<i>Titanium</i>	<i>0.400</i>	<i>0.401</i>	<i>100</i>
<i>Uranium</i>		<i>0.0000</i>	
<i>Vanadium</i>	<i>0.0400</i>	<i>0.0400</i>	<i>100</i>
<i>Zinc</i>	<i>0.0200</i>	<i>0.0204</i>	<i>102</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Lab Sample ID: ICSAB 580-190150/10

Instrument ID: SEA044

Lab File ID: 015SMPL.D

ICS Source: ICPMS- ICSA_00008

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	0.0200	0.0197	98
Lead		0.0001	
<i>Aluminum</i>	<i>20.0</i>	<i>19.6</i>	<i>98</i>
<i>Antimony</i>		<i>0.0000</i>	
<i>Barium</i>		<i>0.0001</i>	
<i>Beryllium</i>		<i>0.0000</i>	
<i>Cadmium</i>	<i>0.0200</i>	<i>0.0199</i>	<i>99</i>
<i>Calcium</i>	<i>60.0</i>	<i>56.5</i>	<i>94</i>
<i>Chromium</i>	<i>0.0400</i>	<i>0.0379</i>	<i>95</i>
<i>Cobalt</i>	<i>0.0400</i>	<i>0.0385</i>	<i>96</i>
<i>Copper</i>	<i>0.0400</i>	<i>0.0370</i>	<i>93</i>
<i>Iron</i>	<i>50.0</i>	<i>46.3</i>	<i>93</i>
<i>Magnesium</i>	<i>20.0</i>	<i>19.4</i>	<i>97</i>
<i>Manganese</i>	<i>0.0400</i>	<i>0.0373</i>	<i>93</i>
<i>Mercury</i>		<i>0.0000</i>	
<i>Molybdenum</i>	<i>0.400</i>	<i>0.435</i>	<i>109</i>
<i>Nickel</i>	<i>0.0400</i>	<i>0.0380</i>	<i>95</i>
<i>Phosphorus</i>	<i>20.0</i>	<i>19.5</i>	<i>98</i>
<i>Potassium</i>	<i>20.0</i>	<i>19.0</i>	<i>95</i>
<i>Selenium</i>	<i>0.0200</i>	<i>0.0197</i>	<i>99</i>
<i>Silver</i>	<i>0.0100</i>	<i>0.0096</i>	<i>96</i>
<i>Strontium</i>		<i>0.0002</i>	
<i>Thallium</i>		<i>0.0000</i>	
<i>Tin</i>		<i>0.0001</i>	
<i>Titanium</i>	<i>0.400</i>	<i>0.377</i>	<i>94</i>
<i>Uranium</i>		<i>0.0000</i>	
<i>Vanadium</i>	<i>0.0400</i>	<i>0.0373</i>	<i>93</i>
<i>Zinc</i>	<i>0.0200</i>	<i>0.0192</i>	<i>96</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Lab Sample ID: ICSAB 580-190150/10

Instrument ID: SEA044

Lab File ID: 015SMPL.D

ICS Source: ICPMS-ICSB_00008

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	0.0200	0.0197	98
Lead		0.0001	
<i>Aluminum</i>	<i>20.0</i>	<i>19.6</i>	<i>98</i>
<i>Antimony</i>		<i>0.0000</i>	
<i>Barium</i>		<i>0.0001</i>	
<i>Beryllium</i>		<i>0.0000</i>	
<i>Cadmium</i>	<i>0.0200</i>	<i>0.0199</i>	<i>99</i>
<i>Calcium</i>	<i>60.0</i>	<i>56.5</i>	<i>94</i>
<i>Chromium</i>	<i>0.0400</i>	<i>0.0379</i>	<i>95</i>
<i>Cobalt</i>	<i>0.0400</i>	<i>0.0385</i>	<i>96</i>
<i>Copper</i>	<i>0.0400</i>	<i>0.0370</i>	<i>93</i>
<i>Iron</i>	<i>50.0</i>	<i>46.3</i>	<i>93</i>
<i>Magnesium</i>	<i>20.0</i>	<i>19.4</i>	<i>97</i>
<i>Manganese</i>	<i>0.0400</i>	<i>0.0373</i>	<i>93</i>
<i>Mercury</i>		<i>0.0000</i>	
<i>Molybdenum</i>	<i>0.400</i>	<i>0.435</i>	<i>109</i>
<i>Nickel</i>	<i>0.0400</i>	<i>0.0380</i>	<i>95</i>
<i>Phosphorus</i>	<i>20.0</i>	<i>19.5</i>	<i>98</i>
<i>Potassium</i>	<i>20.0</i>	<i>19.0</i>	<i>95</i>
<i>Selenium</i>	<i>0.0200</i>	<i>0.0197</i>	<i>99</i>
<i>Silver</i>	<i>0.0100</i>	<i>0.0096</i>	<i>96</i>
<i>Strontium</i>		<i>0.0002</i>	
<i>Thallium</i>		<i>0.0000</i>	
<i>Tin</i>		<i>0.0001</i>	
<i>Titanium</i>	<i>0.400</i>	<i>0.377</i>	<i>94</i>
<i>Uranium</i>		<i>0.0000</i>	
<i>Vanadium</i>	<i>0.0400</i>	<i>0.0373</i>	<i>93</i>
<i>Zinc</i>	<i>0.0200</i>	<i>0.0192</i>	<i>96</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Lab Sample ID: ICSA 580-190150/11

Instrument ID: SEA044

Lab File ID: 016SMPL.D

ICS Source: ICPMS- ICSA_00008

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution A	Solution A	
Arsenic		0.0002	
Lead		0.0001	
<i>Aluminum</i>	<i>20.0</i>	<i>19.9</i>	<i>99</i>
<i>Antimony</i>		<i>0.0000</i>	
<i>Barium</i>		<i>0.0000</i>	
<i>Beryllium</i>		<i>0.0000</i>	
<i>Cadmium</i>		<i>0.0001</i>	
<i>Calcium</i>	<i>60.0</i>	<i>57.2</i>	<i>95</i>
<i>Chromium</i>		<i>0.0006</i>	
<i>Cobalt</i>		<i>0.0000</i>	
<i>Copper</i>		<i>0.0002</i>	
<i>Iron</i>	<i>50.0</i>	<i>47.0</i>	<i>94</i>
<i>Magnesium</i>	<i>20.0</i>	<i>19.8</i>	<i>99</i>
<i>Manganese</i>		<i>0.0002</i>	
<i>Mercury</i>		<i>0.0000</i>	
<i>Molybdenum</i>	<i>0.400</i>	<i>0.436</i>	<i>109</i>
<i>Nickel</i>		<i>0.0000</i>	
<i>Phosphorus</i>	<i>20.0</i>	<i>19.8</i>	<i>99</i>
<i>Potassium</i>	<i>20.0</i>	<i>19.3</i>	<i>97</i>
<i>Selenium</i>		<i>0.0002</i>	
<i>Silver</i>		<i>0.0000</i>	
<i>Strontium</i>		<i>0.0002</i>	
<i>Thallium</i>		<i>0.0000</i>	
<i>Tin</i>		<i>0.0001</i>	
<i>Titanium</i>	<i>0.400</i>	<i>0.382</i>	<i>96</i>
<i>Uranium</i>		<i>0.0000</i>	
<i>Vanadium</i>		<i>0.0000</i>	
<i>Zinc</i>		<i>0.0005</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-351-A MS Lab ID: 580-49777-1 MS
 Lab Name: TestAmerica Seattle Job No.: 580-49777-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/L
 % Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.19	ND	4.00	105	75-125		6010B
Barium	4.75	0.73	4.00	101	75-125		6010B
Cadmium	0.101	0.0015 J	0.100	100	75-125		6010B
Chromium	0.364	0.0033 J	0.400	90	75-125		6010B
Lead	1.04	0.0067 J	1.00	103	75-125		6010B
Selenium	4.32	ND	4.00	108	75-125		6010B
Silver	0.572	ND	0.600	95	75-125		6010B
Mercury	0.0214	ND	0.0200	107	80-120		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-371-A MS

Lab ID: 580-49777-18 MS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/L

% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.30	ND	4.00	107	75-125		6010B
Barium	4.65	0.55	4.00	103	75-125		6010B
Cadmium	0.102	0.0012 J	0.100	100	75-125		6010B
Chromium	0.365	0.0034 J	0.400	90	75-125		6010B
Lead	1.05	0.018 J	1.00	104	75-125		6010B
Selenium	4.43	ND	4.00	111	75-125		6010B
Silver	0.580	ND	0.600	97	75-125		6010B
Mercury	0.0206	ND	0.0200	103	80-120		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS

Client ID: 351-A-05-B-1 MS

Lab ID: 580-49777-19 MS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 78.8

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	277	41	230	103	80-120		6020
Lead	163	90	57.5	127	80-120	F1	6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS

Client ID: 358-A-04-B-1 MS Lab ID: 580-49777-25 MS
 Lab Name: TestAmerica Seattle Job No.: 580-49777-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/Kg
 % Solids: 78.7

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	269	46	216	103	80-120		6020
Lead	266	200	54.1	123	80-120	F1	6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS

Client ID: 356-A-03-B-1 MS

Lab ID: 580-49777-39 MS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 81.2

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	270	31	238	100	80-120		6020
Lead	199	150	59.6	91	80-120		6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-351-A MSD Lab ID: 580-49777-1 MSD
 Lab Name: TestAmerica Seattle Job No.: 580-49777-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/L
 % Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	3.95	4.00	99	75-125	6	20		6010B
Barium	4.60	4.00	97	75-125	3	20		6010B
Cadmium	0.0954	0.100	94	75-125	6	20		6010B
Chromium	0.344	0.400	85	75-125	6	20		6010B
Lead	0.984	1.00	98	75-125	6	20		6010B
Selenium	4.06	4.00	101	75-125	6	20		6010B
Silver	0.540	0.600	90	75-125	6	20		6010B
Mercury	0.0213	0.0200	107	80-120	0	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-371-A MSD Lab ID: 580-49777-18 MSD
 Lab Name: TestAmerica Seattle Job No.: 580-49777-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/L
 % Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.06	4.00	102	75-125	6	20		6010B
Barium	4.34	4.00	95	75-125	7	20		6010B
Cadmium	0.0969	0.100	96	75-125	5	20		6010B
Chromium	0.351	0.400	87	75-125	4	20		6010B
Lead	0.992	1.00	97	75-125	6	20		6010B
Selenium	4.13	4.00	103	75-125	7	20		6010B
Silver	0.548	0.600	91	75-125	6	20		6010B
Mercury	0.0204	0.0200	102	80-120	1	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS

Client ID: 351-A-05-B-1 MSD Lab ID: 580-49777-19 MSD
 Lab Name: TestAmerica Seattle Job No.: 580-49777-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/Kg
 % Solids: 78.8

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	322	230	122	80-120	15	20	F1	6020
Lead	186	57.6	166	80-120	13	20	F1	6020

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS

Client ID: 358-A-04-B-1 MSD Lab ID: 580-49777-25 MSD
 Lab Name: TestAmerica Seattle Job No.: 580-49777-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/Kg
 % Solids: 78.7

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	300	224	113	80-120	11	20		6020
Lead	299	56.0	179	80-120	12	20	F1	6020

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS

Client ID: 356-A-03-B-1 MSD

Lab ID: 580-49777-39 MSD

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 81.2

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	277	236	104	80-120	3	20		6020
Lead	209	59.0	108	80-120	5	20		6020

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-351-A PDS

Lab ID: 580-49777-1 PDS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/L

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	3.86	ND	4.00	97	75-125		6010B
Barium	4.34	0.73	4.00	90	75-125		6010B
Cadmium	0.0938	0.0015 J	0.100	92	75-125		6010B
Chromium	0.340	0.0033 J	0.400	84	75-125		6010B
Lead	0.960	0.0067 J	1.00	95	75-125		6010B
Selenium	3.94	ND	4.00	98	75-125		6010B
Silver	0.524	ND	0.600	87	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-371-A PDS

Lab ID: 580-49777-18 PDS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/L

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.09	ND	4.00	102	75-125		6010B
Barium	4.40	0.55	4.00	96	75-125		6010B
Cadmium	0.0975	0.0012	J 0.100	96	75-125		6010B
Chromium	0.351	0.0034	J 0.400	87	75-125		6010B
Lead	1.00	0.018	J 1.00	98	75-125		6010B
Selenium	4.21	ND	4.00	105	75-125		6010B
Silver	0.568	ND	0.600	95	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS

Client ID: 351-A-05-B-1 PDS Lab ID: 580-49777-19 PDS
 Lab Name: TestAmerica Seattle Job No.: 580-49777-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	283	41	234	103	75-125		6020
Lead	139	90	58.6	83	75-125		6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS

Client ID: 358-A-04-B-1 PDS

Lab ID: 580-49777-25 PDS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	262	46	218	99	75-125		6020
Lead	240	200	54.5	75	75-125		6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS

Client ID: 356-A-03-B-1 PDS

Lab ID: 580-49777-39 PDS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	258	31	237	96	75-125		6020
Lead	181	150	59.2	61	75-125	W	6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

6-IN
 DUPLICATES
 METALS - TCLP

Client ID: TCLP-351-A DU

Lab ID: 580-49777-1 DU

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

% Solids for Sample: _____

% Solids for Duplicate: _____

Matrix: Solid

Concentration Units: mg/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Arsenic	0.060	ND	ND	NC		6010B
Barium	0.010	0.73	0.699	4		6010B
Cadmium	0.020	0.0015 J	0.00150 J	0		6010B
Chromium	0.025	0.0033 J	ND	NC		6010B
Lead	0.030	0.0067 J	0.00620 J	8		6010B
Selenium	0.10	ND	ND	NC		6010B
Silver	0.050	ND	ND	NC		6010B
Mercury	0.0020	ND	ND	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATES
 METALS - TCLP

Client ID: TCLP-371-A DU

Lab ID: 580-49777-18 DU

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

% Solids for Sample: _____

% Solids for Duplicate: _____

Matrix: Solid

Concentration Units: mg/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Arsenic	0.060	ND	ND	NC		6010B
Barium	0.010	0.55	0.586	6		6010B
Cadmium	0.020	0.0012 J	0.00140 J	15		6010B
Chromium	0.025	0.0034 J	0.00370 J	8		6010B
Lead	0.030	0.018 J	0.0203 J	12		6010B
Selenium	0.10	ND	ND	NC		6010B
Silver	0.050	ND	ND	NC		6010B
Mercury	0.0020	ND	ND	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATES
 METALS

Client ID: 351-A-05-B-1 DU

Lab ID: 580-49777-19 DU

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

% Solids for Sample: 78.8

% Solids for Duplicate: 78.8

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Arsenic	0.59	41	45.2	9		6020
Lead	0.59	90	98.3	8		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATES
 METALS

Client ID: 358-A-04-B-1 DU

Lab ID: 580-49777-25 DU

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

% Solids for Sample: 78.7

% Solids for Duplicate: 78.7

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Arsenic	0.56	46	46.5	0.2		6020
Lead	0.56	200	202	1		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATES
 METALS

Client ID: 356-A-03-B-1 DU

Lab ID: 580-49777-39 DU

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

% Solids for Sample: 81.2

% Solids for Duplicate: 81.2

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Arsenic	0.58	31	31.9	1		6020
Lead	0.58	150	146	0.2		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
 LAB CONTROL SAMPLE
 METALS - TCLP

Lab ID: LCS 580-189464/2-C

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00036

Analyte	Solid (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.09		102	80	120		6010B
Barium	4.00	3.89		97	80	120		6010B
Cadmium	0.100	0.0978		98	80	120		6010B
Chromium	0.400	0.353		88	80	120		6010B
Lead	1.00	1.02		102	80	120		6010B
Selenium	4.00	4.19		105	80	120		6010B
Silver	0.600	0.553		92	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS - TCLP

Lab ID: LCSD 580-189464/3-C

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00036

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.00	4.00	100	80-120	2	20		6010B
Barium	3.84	4.00	96	80-120	1	20		6010B
Cadmium	0.0961	0.100	96	80-120	2	20		6010B
Chromium	0.344	0.400	86	80-120	3	20		6010B
Lead	0.996	1.00	100	80-120	2	20		6010B
Selenium	4.13	4.00	103	80-120	1	20		6010B
Silver	0.539	0.600	90	80-120	3	20		6010B

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 580-189598/27-A

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

Sample Matrix: Water

LCS Source: m-GPS-1_00036

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.14		104	80	120		6010B
Barium	4.00	4.10		102	80	120		6010B
Cadmium	0.100	0.0990		99	80	120		6010B
Chromium	0.400	0.360		90	80	120		6010B
Lead	1.00	1.03		103	80	120		6010B
Selenium	4.00	4.23		106	80	120		6010B
Silver	0.600	0.570		95	75	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TCLP

Lab ID: LCS 580-189636/2-B

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00036

Analyte	Solid (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.09		102	80	120		6010B
Barium	4.00	3.92		98	80	120		6010B
Cadmium	0.100	0.0967		97	80	120		6010B
Chromium	0.400	0.350		88	80	120		6010B
Lead	1.00	0.999		100	80	120		6010B
Selenium	4.00	4.18		105	80	120		6010B
Silver	0.600	0.569		95	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS - TCLP

Lab ID: LCSD 580-189636/3-B

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00036

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.25	4.00	106	80-120	4	20		6010B
Barium	4.19	4.00	105	80-120	7	20		6010B
Cadmium	0.102	0.100	102	80-120	5	20		6010B
Chromium	0.370	0.400	92	80-120	5	20		6010B
Lead	1.06	1.00	106	80-120	6	20		6010B
Selenium	4.29	4.00	107	80-120	2	20		6010B
Silver	0.609	0.600	101	80-120	7	20		6010B

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-189703/14-A

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

Sample Matrix: Water

LCS Source: m-GPS-1_00036

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	3.87		97	80	120		6010B
Barium	4.00	3.79		95	80	120		6010B
Cadmium	0.100	0.0930		93	80	120		6010B
Chromium	0.400	0.337		84	80	120		6010B
Lead	1.00	0.956		96	80	120		6010B
Selenium	4.00	3.91		98	80	120		6010B
Silver	0.600	0.557		93	75	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 580-189961/21-A

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00036

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	200	203		101	80	120		6020
Lead	50.0	48.5		97	80	120		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS

Lab ID: LCSD 580-189961/22-A

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00036

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	198	200	99	80-120	2	20		6020
Lead	47.3	50.0	95	80-120	3	20		6020

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-189961/23-A

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

Sample Matrix: Solid

LCS Source: SRMsolid_00010

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	139	142		102.2	70.4	140.3		6020
Lead	133	128		96.5	72.9	127.8		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
 LAB CONTROL SAMPLE
 METALS

Lab ID: LCS 580-190072/20-A

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00036

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	200	189		95	80	120		6020
Lead	50.0	48.4		97	80	120		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS

Lab ID: LCSD 580-190072/21-A

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00036

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	188	200	94	80-120	1	20		6020
Lead	47.9	50.0	96	80-120	1	20		6020

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-190072/22-A

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

Sample Matrix: Solid

LCS Source: SRMsolid_00010

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	139	113		81.0	70.4	140.3		6020
Lead	133	109		81.9	72.9	127.8		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 580-190088/15-A

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00036

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	200	188		94	80	120		6020
Lead	50.0	47.2		94	80	120		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS

Lab ID: LCSD 580-190088/16-A

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00036

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	184	200	92	80-120	2	20		6020
Lead	47.1	50.0	94	80-120	0	20		6020

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-190088/17-A

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

Sample Matrix: Solid

LCS Source: SRMsolid_00010

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	139	134		96.5	70.4	140.3		6020
Lead	133	131		98.2	72.9	127.8		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 580-189601/25-A

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00025

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.0200	0.0214		107	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS

Lab ID: LCSD 580-189601/26-A

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00025

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.0215	0.0200	107	80-120	0	20		7470A

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-189601/27-A

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00025

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.0200	0.0205		103	75	125		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 580-189706/12-A

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00025

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.0200	0.0195		98	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS

Lab ID: LCSD 580-189706/13-A

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00025

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.0206	0.0200	103	80-120	6	20		7470A

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-189706/14-A

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00025

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.0200	0.0199		100	75	125		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS - TCLP

Lab ID: 580-49777-1

SDG No: _____

Lab Name: TestAmerica Seattle

Job No: 580-49777-1

Matrix: Solid

Concentration Units: mg/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	Method
Arsenic	ND	ND	NC		6010B
Barium	0.73	0.753	3.5		6010B
Cadmium	0.0015 J	ND	NC		6010B
Chromium	0.0033 J	ND	NC		6010B
Lead	0.0067 J	ND	NC		6010B
Selenium	ND	ND	NC		6010B
Silver	ND	ND	NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS - TCLP

Lab ID: 580-49777-18

SDG No: _____

Lab Name: TestAmerica Seattle

Job No: 580-49777-1

Matrix: Solid

Concentration Units: mg/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	Method
Arsenic	ND	ND	NC		6010B
Barium	0.55	0.580	5.3		6010B
Cadmium	0.0012 J	ND	NC		6010B
Chromium	0.0034 J	ND	NC		6010B
Lead	0.018 J	0.0270 J	NC		6010B
Selenium	ND	ND	NC		6010B
Silver	ND	ND	NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS

Lab ID: 580-49777-19

SDG No: _____

Lab Name: TestAmerica Seattle

Job No: 580-49777-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	Method
Arsenic	41	44.5	8.2		6020
Lead	90	92.3	2.1		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS

Lab ID: 580-49777-25

SDG No: _____

Lab Name: TestAmerica Seattle

Job No: 580-49777-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	Method
Arsenic	46	46.6	0.31		6020
Lead	200	187	6.0		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS

Lab ID: 580-49777-39

SDG No: _____

Lab Name: TestAmerica Seattle

Job No: 580-49777-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	Method
Arsenic	31	31.8	0.85		6020
Lead	150	131	9.7		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle

Job Number: 580-49777-1

SDG Number: _____

Matrix: Solid

Instrument ID: TAC047

Method: 6010B

MDL Date: 01/29/2015 10:21

Prep Method: 3010A

Leach Method: 1311

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Arsenic		0.06	0.0047
Barium		0.01	0.0008
Cadmium		0.02	0.0005
Chromium		0.025	0.0033
Lead		0.03	0.0026
Selenium		0.1	0.0054
Silver		0.05	0.0085

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle Job Number: 580-49777-1
SDG Number: _____
Matrix: Solid Instrument ID: TAC047
Method: 6010B XMDL Date: 01/29/2015 11:14

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Arsenic		0.06	0.0047
Barium		0.01	0.0008
Cadmium		0.02	0.0005
Chromium		0.025	0.0033
Lead		0.03	0.0026
Selenium		0.1	0.0054
Silver		0.05	0.0085

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Seattle

Job Number: 580-49777-1

SDG Number: _____

Matrix: Solid

Instrument ID: SEA044

Method: 6020

MDL Date: 01/16/2015 14:46

Prep Method: 3050B

Sieved Method: Sieve

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Arsenic		0.5	0.18
Lead		0.5	0.048

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Seattle Job Number: 580-49777-1
SDG Number: _____
Matrix: Solid Instrument ID: SEA044
Method: 6020 XMDL Date: 01/29/2015 11:12

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Arsenic		0.001	0.00027
Lead		0.0004	0.000034

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle Job Number: 580-49777-1
SDG Number: _____
Matrix: Solid Instrument ID: TAC104
Method: 7470A MDL Date: 06/06/2011 08:34
Prep Method: 7470A
Leach Method: 1311

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Mercury		0.0002	0.000041

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle Job Number: 580-49777-1
SDG Number: _____
Matrix: Solid Instrument ID: TAC104
Method: 7470A XMDL Date: 01/29/2015 11:16

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Mercury		0.0002	0.000041

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Seattle Job Number: 580-49777-1

SDG No.: _____

ICP-AES Instrument ID: TAC047 Date: 10/01/2014

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Aluminum	237.312														
Aluminum	308.215														
Antimony	206.833											0.022313			
Arsenic	189.042											-0.002908		-0.000140	
Barium	233.527													-0.000090	
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061										-0.004697	0.001268	-0.001576	0.000332	
Boron	208.959														
Cadmium	226.502										0.000095			0.000106	
Cadmium	228.802			0.004740							0.000200				
Calcium	315.887														
Calcium	317.933														
Chromium	205.552														
Chromium	267.716														
Cobalt	228.616													0.000015	
Copper	217.894		-0.000038											0.000027	
Copper	327.396													-0.000051	
Iron	259.940														
Iron	271.441											0.070287			
Iron	273.074														
Lead	216.999		0.000467											0.000450	
Lead	220.353		-0.000080										0.000500	0.000015	
Magnesium	279.079														
Manganese	257.610		0.000005											-0.000017	
Molybdenum	202.030														
Nickel	230.300												0.000512		
Nickel	231.604													0.000036	
Phosphorus	178.284														
Potassium	766.490														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Seattle Job Number: 580-49777-1

SDG No.: _____

ICP-AES Instrument ID: TAC047 Date: 10/01/2014

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Selenium	196.090													-0.000145	
Silicon	251.611													-0.000023	
Silicon	288.158														
Silver	328.068													-0.000016	
Sodium	589.592														
Sodium	818.326														
Strontium	407.771														
Thallium	190.856		-0.000050								-0.008702				
Tin	189.989														
Titanium	334.941							0.000043							
Titanium	337.280														
Vanadium	292.402											-0.002026		0.000015	
Zinc	206.200											-0.000800		0.000090	
Zinc	213.856												0.000075	0.000080	

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Seattle Job Number: 580-49777-1

SDG No.: _____

ICP-AES Instrument ID: TAC047 Date: 10/01/2014

Analyte	Wave Length	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Si	Sn	Sr	Ti	Tl
Aluminum	308.215			027848											
Aluminum	237.312														
Antimony	206.833			-0.002800								-0.000080			
Arsenic	189.042														
Barium	455.403														
Barium	233.527														
Beryllium	313.042													-0.000093	
Bismuth	223.061					0.000322								-0.002472	
Boron	208.959														
Cadmium	226.502														
Cadmium	228.802														
Calcium	315.887														
Calcium	317.933														
Chromium	205.552			0.009000		-0.000027									
Chromium	267.716		0.000200												
Cobalt	228.616													0.001800	
Copper	327.396													-0.015180	
Copper	217.894														
Iron	271.441														
Iron	259.940			-0.001211											
Iron	273.074	-0.001098												0.025290	
Lead	216.999					0.001933									
Lead	220.353											0.000075			
Magnesium	279.079														
Manganese	257.610	0.000050													
Molybdenum	202.030														
Nickel	231.604		0.000050						0.000150						
Nickel	230.300											0.003889			
Phosphorus	178.284														
Potassium	766.490														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Seattle Job Number: 580-49777-1

SDG No.: _____

ICP-AES Instrument ID: TAC047 Date: 10/01/2014

Analyte	Wave Length	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Si	Sn	Sr	Ti	Tl
Selenium	196.090		0.000800												
Silicon	251.611													0.028815	
Silicon	288.158													0.030771	
Silver	328.068														
Sodium	818.326														
Sodium	589.592														
Strontium	407.771														
Thallium	190.856		0.000085											0.000035	
Tin	189.989													-0.000150	
Titanium	334.941														
Titanium	337.280														
Vanadium	292.402			-0.004653										0.000500	
Zinc	213.856					0.005989									
Zinc	206.200														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Seattle Job Number: 580-49777-1

SDG No.: _____

ICP-AES Instrument ID: TAC047 Date: 10/01/2014

Analyte	Wave Length	V	Zn												
Aluminum	237.312														
Aluminum	308.215	0.000950													
Antimony	206.833														
Arsenic	189.042														
Barium	233.527														
Barium	455.403														
Beryllium	313.042	-0.000100													
Bismuth	223.061														
Boron	208.959														
Cadmium	226.502														
Cadmium	228.802														
Calcium	315.887														
Calcium	317.933														
Chromium	205.552														
Chromium	267.716														
Cobalt	228.616														
Copper	217.894														
Copper	327.396														
Iron	259.940														
Iron	271.441	-0.001789													
Iron	273.074														
Lead	216.999														
Lead	220.353														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	230.300														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Seattle Job Number: 580-49777-1

SDG No.: _____

ICP-AES Instrument ID: TAC047 Date: 10/01/2014

Analyte	Wave Length	V	Zn												
Selenium	196.090														
Silicon	251.611														
Silicon	288.158														
Silver	328.068	-0.002607													
Sodium	589.592														
Sodium	818.326														
Strontium	407.771														
Thallium	190.856	-0.015470													
Tin	189.989														
Titanium	334.941														
Titanium	337.280														
Vanadium	292.402														
Zinc	206.200														
Zinc	213.856														

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Seattle

Job No: 580-49777-1

SDG No.: _____

Instrument ID: TAC047

Date: 12/03/2010 07:34

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Arsenic		125	6010B
Barium		125	6010B
Cadmium		10	6010B
Chromium		50	6010B
Lead		100	6010B
Selenium		50	6010B
Silver		10	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-49777-1	05/15/2015 17:06	189598		50	50
580-49777-1 DU	05/15/2015 17:06	189598		50	50
580-49777-1 MS	05/15/2015 17:06	189598		50	50
580-49777-1 MSD	05/15/2015 17:06	189598		50	50
580-49777-2	05/15/2015 17:06	189598		50	50
580-49777-3	05/15/2015 17:06	189598		50	50
580-49777-4	05/15/2015 17:06	189598		50	50
580-49777-5	05/15/2015 17:06	189598		50	50
580-49777-6	05/15/2015 17:06	189598		50	50
580-49777-7	05/15/2015 17:06	189598		50	50
580-49777-8	05/15/2015 17:06	189598		50	50
580-49777-9	05/15/2015 17:06	189598		50	50
580-49777-10	05/15/2015 17:06	189598		50	50
580-49777-11	05/15/2015 17:06	189598		50	50
580-49777-12	05/15/2015 17:06	189598		50	50
580-49777-13	05/15/2015 17:06	189598		50	50
580-49777-14	05/15/2015 17:06	189598		50	50
MB 580-189464/1-C	05/15/2015 17:07	189598		50	50
LCS 580-189464/2-C	05/15/2015 17:07	189598		50	50
LCSD 580-189464/3-C	05/15/2015 17:07	189598		50	50
LCSSRM 580-189598/27-A	05/15/2015 17:07	189598		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-49777-18	05/18/2015 13:43	189703		50	50
580-49777-18 DU	05/18/2015 13:43	189703		50	50
580-49777-18 MS	05/18/2015 13:43	189703		50	50
580-49777-18 MSD	05/18/2015 13:43	189703		50	50
580-49777-15	05/18/2015 13:43	189703		50	50
580-49777-16	05/18/2015 13:43	189703		50	50
580-49777-17	05/18/2015 13:43	189703		50	50
MB 580-189636/1-B	05/18/2015 13:43	189703		50	50
LCS 580-189636/2-B	05/18/2015 13:43	189703		50	50
LCSD 580-189636/3-B	05/18/2015 13:43	189703		50	50
LCSSRM 580-189703/14-A	05/18/2015 13:43	189703		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
580-49777-19	05/20/2015 13:06	189961	1.0823		50
580-49777-19 DU	05/20/2015 13:06	189961	1.0758		50
580-49777-19 MS	05/20/2015 13:06	189961	1.1037		50
580-49777-19 MSD	05/20/2015 13:06	189961	1.1011		50
580-49777-20	05/20/2015 13:06	189961	1.0962		50
580-49777-21	05/20/2015 13:06	189961	1.0731		50
580-49777-22	05/20/2015 13:06	189961	1.0186		50
580-49777-23	05/20/2015 13:06	189961	1.0026		50
580-49777-24	05/20/2015 13:06	189961	1.1398		50
MB 580-189961/20-A	05/20/2015 13:06	189961	1.0		50
LCS 580-189961/21-A	05/20/2015 13:06	189961	1.0		50
LCSD 580-189961/22-A	05/20/2015 13:06	189961	1.0		50
LCSSRM 580-189961/23-A	05/20/2015 13:06	189961	0.5063		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
580-49777-25	05/21/2015 11:32	190072	1.1666		50
580-49777-25 DU	05/21/2015 11:32	190072	1.1370		50
580-49777-25 MS	05/21/2015 11:32	190072	1.1756		50
580-49777-25 MSD	05/21/2015 11:32	190072	1.1359		50
580-49777-26	05/21/2015 11:32	190072	1.0613		50
580-49777-27	05/21/2015 11:32	190072	1.0576		50
580-49777-28	05/21/2015 11:32	190072	1.0209		50
580-49777-29	05/21/2015 11:32	190072	1.0569		50
580-49777-30	05/21/2015 11:32	190072	1.0903		50
580-49777-31	05/21/2015 11:32	190072	1.1232		50
580-49777-32	05/21/2015 11:32	190072	1.1445		50
580-49777-33	05/21/2015 11:32	190072	1.0613		50
580-49777-34	05/21/2015 11:32	190072	1.0861		50
580-49777-35	05/21/2015 11:32	190072	1.0351		50
580-49777-36	05/21/2015 11:32	190072	1.0366		50
580-49777-37	05/21/2015 11:32	190072	1.0852		50
580-49777-38	05/21/2015 11:32	190072	1.0234		50
MB 580-190072/19-A	05/21/2015 11:32	190072	1.0		50
LCS 580-190072/20-A	05/21/2015 11:32	190072	1.0		50
LCSD 580-190072/21-A	05/21/2015 11:32	190072	1.0		50
LCSSRM 580-190072/22-A	05/21/2015 11:32	190072	0.5861		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
580-49777-39	05/21/2015 12:27	190088	1.0398		50
580-49777-39 DU	05/21/2015 12:27	190088	1.0626		50
580-49777-39 MS	05/21/2015 12:27	190088	1.0345		50
580-49777-39 MSD	05/21/2015 12:27	190088	1.0437		50
580-49777-40	05/21/2015 12:27	190088	1.0552		50
580-49777-41	05/21/2015 12:27	190088	1.0379		50
580-49777-42	05/21/2015 12:27	190088	1.1309		50
580-49777-43	05/21/2015 12:27	190088	1.0516		50
580-49777-44	05/21/2015 12:27	190088	1.1068		50
580-49777-45	05/21/2015 12:27	190088	1.0267		50
580-49777-46	05/21/2015 12:27	190088	1.0132		50
580-49777-47	05/21/2015 12:27	190088	1.0809		50
580-49777-48	05/21/2015 12:27	190088	1.1215		50
MB 580-190088/14-A	05/21/2015 12:27	190088	1.0		50
LCS 580-190088/15-A	05/21/2015 12:27	190088	1.0		50
LCSD 580-190088/16-A	05/21/2015 12:27	190088	1.0		50
LCSSRM 580-190088/17-A	05/21/2015 12:27	190088	0.5052		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-49777-1	05/15/2015 17:14	189601		5	50
580-49777-1 DU	05/15/2015 17:14	189601		5	50
580-49777-1 MS	05/15/2015 17:14	189601		5	50
580-49777-1 MSD	05/15/2015 17:14	189601		5	50
580-49777-2	05/15/2015 17:14	189601		5	50
580-49777-3	05/15/2015 17:14	189601		5	50
580-49777-4	05/15/2015 17:14	189601		5	50
580-49777-5	05/15/2015 17:14	189601		5	50
580-49777-6	05/15/2015 17:14	189601		5	50
580-49777-7	05/15/2015 17:14	189601		5	50
580-49777-8	05/15/2015 17:14	189601		5	50
580-49777-9	05/15/2015 17:14	189601		5	50
580-49777-10	05/15/2015 17:14	189601		5	50
580-49777-11	05/15/2015 17:14	189601		5	50
580-49777-12	05/15/2015 17:14	189601		5	50
580-49777-13	05/15/2015 17:14	189601		5	50
580-49777-14	05/15/2015 17:14	189601		5	50
MB 580-189601/24-A	05/15/2015 17:14	189601		5	50
LCS 580-189601/25-A	05/15/2015 17:14	189601		5	50
LCSD 580-189601/26-A	05/15/2015 17:14	189601		5	50
LCSSRM 580-189601/27-A	05/15/2015 17:14	189601		5	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-49777-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-49777-18	05/18/2015 14:05	189706		5	50
580-49777-18 DU	05/18/2015 14:05	189706		5	50
580-49777-18 MS	05/18/2015 14:05	189706		5	50
580-49777-18 MSD	05/18/2015 14:05	189706		5	50
580-49777-15	05/18/2015 14:05	189706		5	50
580-49777-16	05/18/2015 14:05	189706		5	50
580-49777-17	05/18/2015 14:05	189706		5	50
MB 580-189706/11-A	05/18/2015 14:05	189706		5	50
LCS 580-189706/12-A	05/18/2015 14:05	189706		5	50
LCSD 580-189706/13-A	05/18/2015 14:05	189706		5	50
LCSSRM 580-189706/14-A	05/18/2015 14:05	189706		5	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Instrument ID: TAC047 Method: 6010B

Start Date: 05/18/2015 10:32 End Date: 05/18/2015 15:59

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ICIS 580-189727/1	1		10:32	X	X	X	X	X	X	X									
STD1 580-189727/2 IC			10:36	X	X	X	X	X	X	X									
STD2 580-189727/3 IC			10:39	X	X	X	X	X	X	X									
STD3 580-189727/4 IC			10:42	X	X	X	X	X	X	X									
STD4 580-189727/5 IC			10:44	X	X	X	X	X	X	X									
ICV 580-189727/6	1		10:48	X	X	X	X	X	X	X									
ICB 580-189727/7	1		10:51	X	X	X	X	X	X	X									
CRI 580-189727/8	1		10:54	X	X	X	X	X	X	X									
ICSA 580-189727/9	1		10:58	X	X	X	X	X	X	X									
ICSAB 580-189727/10	1		11:01	X	X	X	X	X	X	X									
CCV 580-189727/11	1		13:10	X	X	X	X	X	X	X									
CCB 580-189727/12	1		13:13	X	X	X	X	X	X	X									
MB 580-189464/1-C	1	P	13:16	X	X	X	X	X	X	X									
LCS 580-189464/2-C	1	P	13:20	X	X	X	X	X	X	X									
LCSD 580-189464/3-C	1	P	13:22	X	X	X	X	X	X	X									
LCSSRM 580-189598/27-A	1	T	13:25	X	X	X	X	X	X	X									
580-49777-1 SD	5	P	13:28	X	X	X	X	X	X	X									
580-49777-1	1	P	13:32	X	X	X	X	X	X	X									
580-49777-1 DU	1	P	13:35	X	X	X	X	X	X	X									
580-49777-1 MS	1	P	13:38	X	X	X	X	X	X	X									
580-49777-1 MSD	1	P	13:41	X	X	X	X	X	X	X									
580-49777-1 PDS	1	P	13:44	X	X	X	X	X	X	X									
CCV 580-189727/23	1		13:47	X	X	X	X	X	X	X									
CCB 580-189727/24	1		13:50	X	X	X	X	X	X	X									
CCVL 580-189727/25			13:53																
580-49777-2	1	P	13:56	X	X	X	X	X	X	X									
580-49777-3	1	P	13:59	X	X	X	X	X	X	X									
580-49777-4	1	P	14:03	X	X	X	X	X	X	X									
580-49777-5	1	P	14:06	X	X	X	X	X	X	X									
580-49777-6	1	P	14:09	X	X	X	X	X	X	X									
580-49777-7	1	P	14:13	X	X	X	X	X	X	X									
580-49777-8	1	P	14:16	X	X	X	X	X	X	X									
580-49777-9	1	P	14:19	X	X	X	X	X	X	X									
580-49777-10	1	P	14:23	X	X	X	X	X	X	X									
CCV 580-189727/35	1		14:26	X	X	X	X	X	X	X									
CCB 580-189727/36	1		14:29	X	X	X	X	X	X	X									
CCVL 580-189727/37			14:32																
580-49777-11	1	P	14:35	X	X	X	X	X	X	X									
580-49777-12	1	P	14:39	X	X	X	X	X	X	X									
580-49777-13	1	P	14:42	X	X	X	X	X	X	X									
580-49777-14	1	P	14:45	X	X	X	X	X	X	X									

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Instrument ID: TAC047 Method: 6010B

Start Date: 05/18/2015 10:32 End Date: 05/18/2015 15:59

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			14:49																
ZZZZZZ			14:52																
ZZZZZZ			14:55																
ZZZZZZ			14:58																
ZZZZZZ			15:02																
CCV 580-189727/47	1		15:06	X	X	X	X	X	X	X									
CCB 580-189727/48	1		15:09	X	X	X	X	X	X	X									
CCVL 580-189727/49			15:12																
ZZZZZZ			15:15																
ZZZZZZ			15:18																
ZZZZZZ			15:22																
CCV 580-189727/53			15:25																
CCB 580-189727/54			15:28																
CCVL 580-189727/55			15:31																
ZZZZZZ			15:34																
ZZZZZZ			15:37																
ZZZZZZ			15:41																
ZZZZZZ			15:44																
ZZZZZZ			15:47																
ZZZZZZ			15:50																
CCV 580-189727/62			15:53																
CCB 580-189727/63			15:55																
CCVL 580-189727/64			15:59																

Prep Types

P = TCLP
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Instrument ID: TAC047 Method: 6010B

Start Date: 05/19/2015 10:29 End Date: 05/19/2015 18:19

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ICIS 580-189888/1	1		10:29	X	X	X	X	X	X	X									
STD1 580-189888/2 IC			10:32	X	X	X	X	X	X	X									
STD2 580-189888/3 IC			10:35	X	X	X	X	X	X	X									
STD3 580-189888/4 IC			10:38	X	X	X	X	X	X	X									
STD4 580-189888/5 IC			10:41	X	X	X	X	X	X	X									
ICV 580-189888/6	1		10:45	X	X	X	X	X	X	X									
ICB 580-189888/7	1		10:48	X	X	X	X	X	X	X									
CRI 580-189888/8	1		10:51	X	X	X	X	X	X	X									
ICSA 580-189888/9	1		10:54	X	X	X	X	X	X	X									
ICSAB 580-189888/10	1		10:57	X	X	X	X	X	X	X									
CCV 580-189888/11			11:01																
CCB 580-189888/12			11:04																
ZZZZZZ			11:07																
ZZZZZZ			11:10																
ZZZZZZ			11:13																
ZZZZZZ			11:16																
ZZZZZZ			11:20																
ZZZZZZ			11:23																
ZZZZZZ			11:26																
ZZZZZZ			11:29																
ZZZZZZ			11:32																
CCV 580-189888/22			11:35																
CCB 580-189888/23			11:38																
ZZZZZZ			11:41																
ZZZZZZ			11:44																
ZZZZZZ			11:48																
ZZZZZZ			11:51																
ZZZZZZ			11:54																
ZZZZZZ			11:57																
ZZZZZZ			12:01																
ZZZZZZ			12:04																
CCV 580-189888/32	1		12:07	X	X	X	X	X	X	X									
CCB 580-189888/33	1		12:09	X	X	X	X	X	X	X									
MB 580-189636/1-B	1	P	12:13	X	X	X	X	X	X	X									
LCS 580-189636/2-B	1	P	12:16	X	X	X	X	X	X	X									
LCSD 580-189636/3-B	1	P	12:19	X	X	X	X	X	X	X									
LCSSRM 580-189703/14-A	1	T	12:23	X	X	X	X	X	X	X									
580-49777-18 SD	5	P	12:25	X	X	X	X	X	X	X									
580-49777-18	1	P	12:29	X	X	X	X	X	X	X									
580-49777-18 DU	1	P	12:32	X	X	X	X	X	X	X									
580-49777-18 MS	1	P	12:35	X	X	X	X	X	X	X									

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Instrument ID: TAC047 Method: 6010B

Start Date: 05/19/2015 10:29 End Date: 05/19/2015 18:19

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
580-49777-18 MSD	1	P	12:38	X	X	X	X	X	X	X									
580-49777-18 PDS	1	P	12:41	X	X	X	X	X	X	X									
CCV 580-189888/44	1		12:44	X	X	X	X	X	X	X									
CCB 580-189888/45	1		12:47	X	X	X	X	X	X	X									
580-49777-15	1	P	12:50	X	X	X	X	X	X	X									
580-49777-16	1	P	12:53	X	X	X	X	X	X	X									
580-49777-17	1	P	12:57	X	X	X	X	X	X	X									
CCV 580-189888/49	1		13:00	X	X	X	X	X	X	X									
CCB 580-189888/50	1		13:03	X	X	X	X	X	X	X									
CCV 580-189888/51			13:45																
CCB 580-189888/52			13:48																
ZZZZZZ			13:51																
ZZZZZZ			13:54																
ZZZZZZ			13:57																
ZZZZZZ			14:01																
ZZZZZZ			14:03																
ZZZZZZ			14:06																
ZZZZZZ			14:09																
ZZZZZZ			14:12																
ZZZZZZ			14:15																
CCV 580-189888/62			14:21																
CCB 580-189888/63			14:24																
CCVL 580-189888/64			14:27																
ZZZZZZ			14:30																
ZZZZZZ			14:33																
ZZZZZZ			14:36																
ZZZZZZ			14:39																
ZZZZZZ			14:42																
ZZZZZZ			14:45																
ZZZZZZ			14:48																
ZZZZZZ			14:50																
ZZZZZZ			14:53																
CCV 580-189888/74			14:56																
CCB 580-189888/75			14:59																
CCVL 580-189888/76			15:02																
ZZZZZZ			15:05																
ZZZZZZ			15:08																
ZZZZZZ			15:11																
ZZZZZZ			15:14																
ZZZZZZ			15:17																
ZZZZZZ			15:20																
ZZZZZZ			15:23																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Instrument ID: TAC047 Method: 6010B

Start Date: 05/19/2015 10:29 End Date: 05/19/2015 18:19

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			15:25																
ZZZZZZ			15:28																
ZZZZZZ			15:31																
CCV 580-189888/87			15:34																
CCB 580-189888/88			15:37																
CCVL 580-189888/89			15:40																
ZZZZZZ			15:43																
ZZZZZZ			15:47																
ZZZZZZ			15:50																
ZZZZZZ			15:53																
ZZZZZZ			15:56																
ZZZZZZ			15:59																
ZZZZZZ			16:02																
ZZZZZZ			16:05																
ZZZZZZ			16:08																
CCV 580-189888/99			16:11																
CCB 580-189888/100			16:14																
CCVL 580-189888/101			16:17																
ZZZZZZ			16:20																
ZZZZZZ			16:23																
ZZZZZZ			16:26																
ZZZZZZ			16:29																
ZZZZZZ			16:32																
ZZZZZZ			16:35																
ZZZZZZ			16:37																
ZZZZZZ			16:40																
ZZZZZZ			16:43																
ZZZZZZ			16:46																
CCV 580-189888/112			16:49																
CCB 580-189888/113			16:52																
CCVL 580-189888/114			16:55																
ZZZZZZ			16:58																
ZZZZZZ			17:01																
ZZZZZZ			17:04																
ZZZZZZ			17:07																
ZZZZZZ			17:10																
ZZZZZZ			17:13																
ZZZZZZ			17:15																
ZZZZZZ			17:18																
ZZZZZZ			17:21																
CCV 580-189888/124			17:24																
CCB 580-189888/125			17:27																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Instrument ID: TAC047 Method: 6010B

Start Date: 05/19/2015 10:29 End Date: 05/19/2015 18:19

Lab Sample ID	D / F	T y p e	Time	Analytes																
				A g	A s	B a	C d	C r	P b	S e										
CCVL 580-189888/126			17:30																	
ZZZZZZ			17:33																	
ZZZZZZ			17:37																	
ZZZZZZ			17:40																	
ZZZZZZ			17:43																	
CCV 580-189888/131			17:48																	
CCB 580-189888/132			17:51																	
CCVL 580-189888/133			17:54																	
ZZZZZZ			17:57																	
ZZZZZZ			18:00																	
ZZZZZZ			18:04																	
ZZZZZZ			18:06																	
ZZZZZZ			18:10																	
ZZZZZZ			18:13																	
CCV 580-189888/140			18:16																	
CCB 580-189888/141			18:19																	

Prep Types
P = TCLP
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Instrument ID: SEA044 Method: 6020

Start Date: 05/20/2015 09:02 End Date: 05/20/2015 18:22

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A s	P b														
ICIS 580-190067/1			09:02	X	X														
IC 580-190067/2	1		09:07	X	X														
IC 580-190067/3	1		09:11	X	X														
IC 580-190067/4	1		09:15	X	X														
IC 580-190067/5	1		09:19	X	X														
IC 580-190067/6	1		09:24	X	X														
ICV 580-190067/7	1		09:28	X	X														
ICB 580-190067/8	1		09:32	X	X														
CRI 580-190067/9	1		09:37	X	X														
ICSA 580-190067/10	1		09:41	X	X														
ICSAB 580-190067/11	1		09:45	X	X														
CCV 580-190067/12	1		16:51	X	X														
CCB 580-190067/13	1		16:56	X	X														
MB 580-189961/20-A	10	T	17:00	X	X														
LCS 580-189961/21-A	50	T	17:04	X	X														
LCSD 580-189961/22-A	50	T	17:09	X	X														
LCSSRM 580-189961/23-A	50	T	17:13	X	X														
580-49777-19 SD	50	T	17:17	X	X														
580-49777-19	10	T	17:21	X	X														
580-49777-19 DU	10	T	17:26	X	X														
580-49777-19 MS	50	T	17:30	X	X														
580-49777-19 MSD	50	T	17:34	X	X														
580-49777-19 PDS	50	T	17:39	X	X														
CCV 580-190067/24	1		17:43	X	X														
CCB 580-190067/25	1		17:47	X	X														
580-49777-20	10	T	17:51	X	X														
580-49777-21	10	T	17:56	X	X														
580-49777-22	10	T	18:00	X	X														
580-49777-23	10	T	18:04	X	X														
580-49777-24	10	T	18:09	X	X														
CCV 580-190067/31	1		18:17	X	X														
CCB 580-190067/32	1		18:22	X	X														

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Instrument ID: SEA044 Method: 6020

Start Date: 05/21/2015 12:21 End Date: 05/21/2015 21:48

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A s	P b														
ICIS 580-190150/1			12:21	X	X														
IC 580-190150/2	1		12:25	X	X														
IC 580-190150/3	1		12:29	X	X														
IC 580-190150/4	1		12:34	X	X														
IC 580-190150/5	1		12:38	X	X														
IC 580-190150/6	1		12:42	X	X														
ICV 580-190150/7	1		12:47	X	X														
ICB 580-190150/8	1		12:51	X	X														
CRI 580-190150/9	1		12:55	X	X														
ICSAB 580-190150/10	1		12:59	X	X														
ICSA 580-190150/11	1		13:04	X	X														
CCV 580-190150/12			13:12																
CCVL 580-190150/13			13:16																
CCB 580-190150/14			13:21																
ZZZZZZ			13:25																
ZZZZZZ			13:29																
ZZZZZZ			13:34																
ZZZZZZ			13:38																
ZZZZZZ			13:42																
ZZZZZZ			13:46																
ZZZZZZ			13:51																
ZZZZZZ			13:55																
ZZZZZZ			13:59																
ZZZZZZ			14:04																
CCV 580-190150/25			14:08																
CCVL 580-190150/26			14:12																
CCB 580-190150/27			14:17																
ZZZZZZ			14:21																
ZZZZZZ			14:25																
ZZZZZZ			14:30																
ZZZZZZ			14:34																
ZZZZZZ			14:38																
ZZZZZZ			14:42																
ZZZZZZ			14:47																
ZZZZZZ			14:51																
ZZZZZZ			14:55																
CCV 580-190150/37	1		15:04	X	X														
CCVL 580-190150/38	1		15:08	X	X														
CCB 580-190150/39	1		15:13	X	X														
MB 580-190072/19-A	10	T	15:17	X	X														
LCS 580-190072/20-A	50	T	15:21	X	X														
LCSD 580-190072/21-A	50	T	15:26	X	X														

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Instrument ID: SEA044 Method: 6020

Start Date: 05/21/2015 12:21 End Date: 05/21/2015 21:48

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A s	P b														
LCSSRM	50	T	15:30	X	X														
580-190072/22-A																			
580-49777-25 SD	50	T	15:34	X	X														
580-49777-25	10	T	15:38	X	X														
580-49777-25 DU	10	T	15:43	X	X														
580-49777-25 MS	50	T	15:47	X	X														
580-49777-25 MSD	50	T	15:51	X	X														
580-49777-25 PDS	50	T	15:55	X	X														
CCV 580-190150/50	1		16:00	X	X														
CCB 580-190150/51	1		16:04	X	X														
ZZZZZ			16:08																
580-49777-27	10	T	16:13	X	X														
580-49777-28	10	T	16:17	X	X														
580-49777-29	10	T	16:21	X	X														
580-49777-30	10	T	16:25	X	X														
580-49777-31	10	T	16:29	X	X														
580-49777-32	10	T	16:34	X	X														
580-49777-33	10	T	16:38	X	X														
580-49777-34	10	T	16:42	X	X														
CCV 580-190150/61	1		16:51	X	X														
CCB 580-190150/62	1		16:55	X	X														
580-49777-36	10	T	16:59	X	X														
580-49777-37	10	T	17:04	X	X														
580-49777-38	10	T	17:08	X	X														
580-49777-26	10	T	17:12	X	X														
580-49777-35	10	T	17:16	X	X														
CCV 580-190150/68	1		17:25	X	X														
CCB 580-190150/69	1		17:29	X	X														
ZZZZZ			17:34																
ZZZZZ			17:38																
ZZZZZ			17:42																
ZZZZZ			17:46																
ZZZZZ			17:51																
ZZZZZ			17:55																
ZZZZZ			17:59																
ZZZZZ			18:04																
ZZZZZ			18:08																
CCV 580-190150/79			18:12																
CCB 580-190150/80			18:17																
ZZZZZ			18:21																
ZZZZZ			18:25																
ZZZZZ			18:30																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Instrument ID: SEA044 Method: 6020

Start Date: 05/21/2015 12:21 End Date: 05/21/2015 21:48

Lab Sample ID	D / F	Type	Time	Analytes															
				A	P														
ZZZZZZ			18:34																
ZZZZZZ			18:38																
ZZZZZZ			18:43																
ZZZZZZ			18:47																
ZZZZZZ			18:51																
CCV 580-190150/89			19:00																
CCVL 580-190150/90	1		19:04	X	X														
CCB 580-190150/91			19:09																
ZZZZZZ			19:13																
ZZZZZZ			19:17																
ZZZZZZ			19:22																
ZZZZZZ			19:26																
ZZZZZZ			19:30																
ZZZZZZ			19:35																
ZZZZZZ			19:39																
ZZZZZZ			19:43																
ZZZZZZ			19:48																
ZZZZZZ			19:52																
CCV 580-190150/102	1		19:56	X	X														
CCVL 580-190150/103	1		20:00	X	X														
CCB 580-190150/104	1		20:05	X	X														
MB 580-190088/14-A	10	T	20:09	X	X														
LCS 580-190088/15-A	50	T	20:14	X	X														
LCSD 580-190088/16-A	50	T	20:18	X	X														
LCSSRM 580-190088/17-A	50	T	20:22	X	X														
580-49777-39 SD	50	T	20:26	X	X														
580-49777-39	10	T	20:31	X	X														
580-49777-39 DU	10	T	20:35	X	X														
580-49777-39 MS	50	T	20:39	X	X														
580-49777-39 MSD	50	T	20:44	X	X														
580-49777-39 PDS	50	T	20:48	X	X														
CCV 580-190150/115	1		20:52	X	X														
CCB 580-190150/116	1		20:56	X	X														
580-49777-40	10	T	21:01	X	X														
580-49777-41	10	T	21:05	X	X														
580-49777-42	10	T	21:09	X	X														
580-49777-43	10	T	21:14	X	X														
580-49777-44	10	T	21:18	X	X														
580-49777-45	10	T	21:22	X	X														
580-49777-46	10	T	21:26	X	X														
580-49777-47	10	T	21:31	X	X														

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Instrument ID: SEA044 Method: 6020

Start Date: 05/21/2015 12:21 End Date: 05/21/2015 21:48

Lab Sample ID	D / F	Type	Time	Analytes															
				A	P														
580-49777-48	10	T	21:35	X	X														
CCV 580-190150/126	1		21:44	X	X														
CCB 580-190150/127	1		21:48	X	X														

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Instrument ID: TAC104 Method: 7470A

Start Date: 05/18/2015 11:07 End Date: 05/18/2015 12:49

Lab Sample ID	D / F	Type	Time	Analytes															
				Hg															
STD 580-189705/1 IC			11:07	X															
STD 580-189705/2 IC			11:09	X															
STD 580-189705/3 IC			11:11	X															
STD 580-189705/4 IC			11:14	X															
STD 580-189705/5 IC			11:16	X															
STD 580-189705/6 IC			11:18	X															
ICV 580-189705/7	1		11:21	X															
ICB 580-189705/8	1		11:23	X															
CCV 580-189705/9	1		11:31	X															
CCB 580-189705/10	1		11:33	X															
MB 580-189601/24-A	1	T	11:36	X															
LCS 580-189601/25-A	1	T	11:38	X															
LCSD 580-189601/26-A	1	T	11:40	X															
LCSSRM 580-189601/27-A	1	T	11:43	X															
580-49777-1	1	P	11:45	X															
580-49777-1 DU	1	P	11:48	X															
580-49777-1 MS	1	P	11:50	X															
580-49777-1 MSD	1	P	11:52	X															
CCV 580-189705/19	1		11:55	X															
CCB 580-189705/20	1		11:57	X															
ZZZZZZ			11:59																
580-49777-3	1	P	12:02	X															
580-49777-4	1	P	12:04	X															
580-49777-5	1	P	12:07	X															
580-49777-6	1	P	12:09	X															
580-49777-7	1	P	12:11	X															
580-49777-8	1	P	12:14	X															
580-49777-9	1	P	12:16	X															
580-49777-10	1	P	12:18	X															
580-49777-11	1	P	12:21	X															
CCV 580-189705/31	1		12:23	X															
CCB 580-189705/32	1		12:26	X															
580-49777-12	1	P	12:28	X															
580-49777-13	1	P	12:30	X															
580-49777-14	1	P	12:33	X															
ZZZZZZ			12:35																
ZZZZZZ			12:37																
ZZZZZZ			12:40																
580-49777-2	1	P	12:42	X															
ZZZZZZ			12:45																
CCV 580-189705/41	1		12:47	X															

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Instrument ID: TAC104 Method: 7470A

Start Date: 05/18/2015 11:07 End Date: 05/18/2015 12:49

Lab Sample ID	D / F	Type	Time	Analytes															
				Hg															
CCB 580-189705/42	1		12:49	X															

Prep Types
P = TCLP
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Instrument ID: TAC104 Method: 7470A

Start Date: 05/18/2015 15:07 End Date: 05/18/2015 17:34

Lab Sample ID	D / F	Type	Time	Analytes																
				Hg																
STD 580-189735/1 IC			15:07	X																
STD 580-189735/2 IC			15:10	X																
STD 580-189735/3 IC			15:12	X																
STD 580-189735/4 IC			15:14	X																
STD 580-189735/5 IC			15:17	X																
STD 580-189735/6 IC			15:19	X																
ICV 580-189735/7	1		15:21	X																
ICB 580-189735/8	1		15:24	X																
CCV 580-189735/9			15:29																	
CCB 580-189735/10			15:31																	
ZZZZZZ			15:35																	
ZZZZZZ			15:37																	
ZZZZZZ			15:40																	
ZZZZZZ			15:44																	
ZZZZZZ			15:47																	
ZZZZZZ			15:49																	
CCV 580-189735/17			15:51																	
CCB 580-189735/18			15:54																	
ZZZZZZ			15:56																	
ZZZZZZ			15:59																	
ZZZZZZ			16:01																	
ZZZZZZ			16:03																	
ZZZZZZ			16:06																	
ZZZZZZ			16:08																	
ZZZZZZ			16:11																	
ZZZZZZ			16:13																	
ZZZZZZ			16:15																	
ZZZZZZ			16:18																	
CCV 580-189735/29			16:20																	
CCB 580-189735/30			16:22																	
ZZZZZZ			16:25																	
ZZZZZZ			16:27																	
ZZZZZZ			16:30																	
ZZZZZZ			16:32																	
ZZZZZZ			16:34																	
ZZZZZZ			16:37																	
ZZZZZZ			16:39																	
ZZZZZZ			16:42																	
ZZZZZZ			16:44																	
ZZZZZZ			16:46																	
CCV 580-189735/41	1		16:49	X																
CCB 580-189735/42	1		16:51	X																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Instrument ID: TAC104 Method: 7470A

Start Date: 05/18/2015 15:07 End Date: 05/18/2015 17:34

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
MB 580-189706/11-A	1	T	16:53	X															
LCS 580-189706/12-A	1	T	16:56	X															
LCSD 580-189706/13-A	1	T	16:58	X															
LCSSRM 580-189706/14-A	1	T	17:01	X															
CCV 580-189735/47	1		17:03	X															
CCB 580-189735/48	1		17:05	X															
580-49777-18	1	P	17:08	X															
580-49777-18 DU	1	P	17:10	X															
580-49777-18 MS	1	P	17:13	X															
580-49777-18 MSD	1	P	17:15	X															
580-49777-15	1	P	17:17	X															
580-49777-16	1	P	17:20	X															
580-49777-17	1	P	17:22	X															
ZZZZZZ			17:25																
ZZZZZZ			17:27																
ZZZZZZ			17:29																
CCV 580-189735/59	1		17:32	X															
CCB 580-189735/60	1		17:34	X															

Prep Types
P = TCLP
T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

ICP-MS Instrument ID: SEA044 Start Date: 05/20/2015 End Date: 05/20/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element Rh-103	Q	Element Ho	Q
IC 580-190067/2	09:07	100		103		100		100		101	
IC 580-190067/3	09:11	100		102		101		100		100	
IC 580-190067/4	09:15	95		97		95		94		95	
IC 580-190067/5	09:19	96		100		98		97		98	
IC 580-190067/6	09:24	97		102		101		98		101	
ICV 580-190067/7	09:28	98		104		100		98		101	
ICB 580-190067/8	09:32	100		103		102		103		103	
CRI 580-190067/9	09:37	101		104		103		103		103	
ICSA 580-190067/10	09:41	92		100		95		89		96	
ICSAB 580-190067/11	09:45	94		100		98		91		97	
CCV 580-190067/12	16:51	100		103		100		96		100	
CCB 580-190067/13	16:56	105		105		103		101		104	
MB 580-189961/20-A	17:00	106		107		104		101		103	
LCS 580-189961/21-A	17:04	104		106		103		99		102	
LCSD 580-189961/22-	17:09	105		107		105		102		104	
LCSSRM 580-189961/2	17:13	105		106		103		100		103	
580-49777-19 SD	17:17	103		104		101		97		99	
580-49777-19	17:21	104		110		104		99		102	
580-49777-19 DU	17:26	102		108		102		97		100	
580-49777-19 MS	17:30	103		105		103		98		100	
580-49777-19 MSD	17:34	105		107		104		99		101	
580-49777-19 PDS	17:39	106		108		105		101		101	
CCV 580-190067/24	17:43	102		106		104		99		100	
CCB 580-190067/25	17:47	106		108		106		103		102	
580-49777-20	17:51	103		109		103		98		101	
580-49777-21	17:56	105		108		103		98		101	
580-49777-22	18:00	103		110		104		98		99	
580-49777-23	18:04	102		108		102		96		98	
580-49777-24	18:09	101		107		101		95		97	
CCV 580-190067/31	18:17	101		107		103		98		98	
CCB 580-190067/32	18:22	104		107		104		100		100	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

ICP-MS Instrument ID: SEA044 Start Date: 05/20/2015 End Date: 05/20/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
IC 580-190067/2	09:07	99									
IC 580-190067/3	09:11	100									
IC 580-190067/4	09:15	93									
IC 580-190067/5	09:19	97									
IC 580-190067/6	09:24	99									
ICV 580-190067/7	09:28	99									
ICB 580-190067/8	09:32	101									
CRI 580-190067/9	09:37	102									
ICSA 580-190067/10	09:41	90									
ICSAB 580-190067/11	09:45	92									
CCV 580-190067/12	16:51	99									
CCB 580-190067/13	16:56	105									
MB 580-189961/20-A	17:00	105									
LCS 580-189961/21-A	17:04	102									
LCSD 580-189961/22-	17:09	104									
LCSSRM 580-189961/2	17:13	101									
580-49777-19 SD	17:17	99									
580-49777-19	17:21	100									
580-49777-19 DU	17:26	96									
580-49777-19 MS	17:30	98									
580-49777-19 MSD	17:34	99									
580-49777-19 PDS	17:39	100									
CCV 580-190067/24	17:43	98									
CCB 580-190067/25	17:47	102									
580-49777-20	17:51	98									
580-49777-21	17:56	99									
580-49777-22	18:00	97									
580-49777-23	18:04	94									
580-49777-24	18:09	95									
CCV 580-190067/31	18:17	94									
CCB 580-190067/32	18:22	98									

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

ICP-MS Instrument ID: SEA044 Start Date: 05/21/2015 End Date: 05/21/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element Rh-103	Q	Element Ho	Q
IC 580-190150/2	12:25	99		99		97		98		100	
IC 580-190150/3	12:29	98		99		96		97		98	
IC 580-190150/4	12:34	96		98		97		95		96	
IC 580-190150/5	12:38	93		103		98		96		95	
IC 580-190150/6	12:42	91		101		98		94		95	
ICV 580-190150/7	12:47	93		102		98		97		97	
ICB 580-190150/8	12:51	94		101		99		98		94	
CRI 580-190150/9	12:55	93		97		98		94		93	
ICSAB 580-190150/10	12:59	88		102		97		90		95	
ICSA 580-190150/11	13:04	91		101		97		91		97	
CCV 580-190150/37	15:04	98		106		108		107		113	
CCVL 580-190150/38	15:08	100		108		109		109		117	
CCB 580-190150/39	15:13	99		106		108		106		113	
MB 580-190072/19-A	15:17	102		108		110		110		117	
LCS 580-190072/20-A	15:21	101		109		108		106		115	
LCSD 580-190072/21-	15:26	101		106		108		107		116	
LCSSRM 580-190072/2	15:30	101		108		109		107		114	
580-49777-25 SD	15:34	105		110		110		108		115	
580-49777-25	15:38	101		108		106		103		112	
580-49777-25 DU	15:43	106		113		111		109		118	
580-49777-25 MS	15:47	105		111		110		110		116	
580-49777-25 MSD	15:51	103		108		107		107		115	
580-49777-25 PDS	15:55	102		103		106		105		111	
CCV 580-190150/50	16:00	100		107		109		106		112	
CCB 580-190150/51	16:04	101		106		107		107		112	
580-49777-27	16:13	101		109		107		106		113	
580-49777-28	16:17	102		110		108		106		114	
580-49777-29	16:21	101		106		107		104		112	
580-49777-30	16:25	102		108		108		107		115	
580-49777-31	16:29	103		108		108		107		116	
580-49777-32	16:34	103		110		108		107		116	
580-49777-33	16:38	102		107		107		105		114	
580-49777-34	16:42	103		107		109		106		117	
CCV 580-190150/61	16:51	97		108		109		106		112	
CCB 580-190150/62	16:55	99		105		108		107		112	
580-49777-36	16:59	98		105		105		104		112	
580-49777-37	17:04	98		103		104		103		111	
580-49777-38	17:08	101		110		109		109		118	
580-49777-26	17:12	100		106		108		107		116	
580-49777-35	17:16	99		106		106		105		112	
CCV 580-190150/68	17:25	95		106		108		105		112	
CCB 580-190150/69	17:29	95		103		107		105		109	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

ICP-MS Instrument ID: SEA044 Start Date: 05/21/2015 End Date: 05/21/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element Rh-103	Q	Element Ho	Q
CCVL 580-190150/90	19:04	100		114		113		108		110	
CCV 580-190150/102	19:56	97		101		106		103		111	
CCVL 580-190150/103	20:00	101		107		109		109		116	
CCB 580-190150/104	20:05	102		106		109		110		117	
MB 580-190088/14-A	20:09	102		105		109		109		116	
LCS 580-190088/15-A	20:14	102		106		109		108		119	
LCSD 580-190088/16-	20:18	102		105		109		109		120	
LCSSRM 580-190088/1	20:22	100		103		107		107		115	
580-49777-39 SD	20:26	105		112		111		112		121	
580-49777-39	20:31	105		111		110		110		121	
580-49777-39 DU	20:35	104		110		110		108		121	
580-49777-39 MS	20:39	103		108		109		109		119	
580-49777-39 MSD	20:44	104		107		110		110		118	
580-49777-39 PDS	20:48	106		110		112		113		124	
CCV 580-190150/115	20:52	100		108		109		107		116	
CCB 580-190150/116	20:56	101		108		109		110		115	
580-49777-40	21:01	103		107		109		108		120	
580-49777-41	21:05	104		110		111		110		121	
580-49777-42	21:09	103		108		109		105		117	
580-49777-43	21:14	103		110		110		109		120	
580-49777-44	21:18	103		114		110		111		123	
580-49777-45	21:22	102		105		109		108		117	
580-49777-46	21:26	103		108		110		109		120	
580-49777-47	21:31	102		109		110		110		121	
580-49777-48	21:35	101		109		108		108		120	
CCV 580-190150/126	21:44	97		104		108		107		113	
CCB 580-190150/127	21:48	97		105		108		108		115	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

ICP-MS Instrument ID: SEA044 Start Date: 05/21/2015 End Date: 05/21/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
IC 580-190150/2	12:25	98									
IC 580-190150/3	12:29	96									
IC 580-190150/4	12:34	94									
IC 580-190150/5	12:38	91									
IC 580-190150/6	12:42	90									
ICV 580-190150/7	12:47	94									
ICB 580-190150/8	12:51	93									
CRI 580-190150/9	12:55	92									
ICSAB 580-190150/10	12:59	88									
ICSA 580-190150/11	13:04	90									
CCV 580-190150/37	15:04	110									
CCVL 580-190150/38	15:08	113									
CCB 580-190150/39	15:13	111									
MB 580-190072/19-A	15:17	116									
LCS 580-190072/20-A	15:21	111									
LCSD 580-190072/21-	15:26	113									
LCSSRM 580-190072/2	15:30	112									
580-49777-25 SD	15:34	112									
580-49777-25	15:38	109									
580-49777-25 DU	15:43	115									
580-49777-25 MS	15:47	113									
580-49777-25 MSD	15:51	111									
580-49777-25 PDS	15:55	108									
CCV 580-190150/50	16:00	108									
CCB 580-190150/51	16:04	110									
580-49777-27	16:13	111									
580-49777-28	16:17	110									
580-49777-29	16:21	108									
580-49777-30	16:25	113									
580-49777-31	16:29	112									
580-49777-32	16:34	110									
580-49777-33	16:38	111									
580-49777-34	16:42	112									
CCV 580-190150/61	16:51	109									
CCB 580-190150/62	16:55	111									
580-49777-36	16:59	109									
580-49777-37	17:04	109									
580-49777-38	17:08	113									
580-49777-26	17:12	112									
580-49777-35	17:16	110									
CCV 580-190150/68	17:25	106									
CCB 580-190150/69	17:29	107									

15-IN
 ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

ICP-MS Instrument ID: SEA044 Start Date: 05/21/2015 End Date: 05/21/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
CCVL 580-190150/90	19:04	107									
CCV 580-190150/102	19:56	108									
CCVL 580-190150/103	20:00	112									
CCB 580-190150/104	20:05	115									
MB 580-190088/14-A	20:09	115									
LCS 580-190088/15-A	20:14	116									
LCSD 580-190088/16-	20:18	117									
LCSSRM 580-190088/1	20:22	113									
580-49777-39 SD	20:26	118									
580-49777-39	20:31	117									
580-49777-39 DU	20:35	116									
580-49777-39 MS	20:39	117									
580-49777-39 MSD	20:44	115									
580-49777-39 PDS	20:48	120									
CCV 580-190150/115	20:52	112									
CCB 580-190150/116	20:56	114									
580-49777-40	21:01	118									
580-49777-41	21:05	117									
580-49777-42	21:09	111									
580-49777-43	21:14	117									
580-49777-44	21:18	119									
580-49777-45	21:22	114									
580-49777-46	21:26	116									
580-49777-47	21:31	117									
580-49777-48	21:35	115									
CCV 580-190150/126	21:44	109									
CCB 580-190150/127	21:48	111									

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189464 Batch Start Date: 05/14/15 18:04 Batch Analyst: Lundell, Rich B

Batch Method: 1311 Batch End Date: 05/15/15 13:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_SampleWeigh t	EFD_VolumeWater Add	EFD_InitialpH	EFD_SecondpH Che ck
MB 580-189464/1		1311, 3010A, 6010B		100 g	2000 mL				
LCS 580-189464/2		1311, 3010A, 6010B		100 g	2000 mL				
LCS 580-189464/3		1311, 3010A, 6010B		100 g	2000 mL				
580-49777-A-1	TCLP-351-A	1311, 3010A, 6010B	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.11 SU	1.66 SU
580-49777-A-2	TCLP-361-A	1311, 3010A, 6010B	P	100.2 g	2000 mL	5.0 g	96.5 mL	6.11 SU	1.62 SU
580-49777-A-3	TCLP-350-A	1311, 3010A, 6010B	P	100.1 g	2000 mL	5.0 g	96.5 mL	6.07 SU	1.64 SU
580-49777-A-4	TCLP-350-B	1311, 3010A, 6010B	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.04 SU	1.66 SU
580-49777-A-5	TCLP-358-A	1311, 3010A, 6010B	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.20 SU	1.63 SU
580-49777-A-6	TCLP-358-B	1311, 3010A, 6010B	P	100.2 g	2000 mL	5.0 g	96.5 mL	6.18 SU	1.62 SU
580-49777-A-7	TCLP-359-A	1311, 3010A, 6010B	P	100.1 g	2000 mL	5.0 g	96.5 mL	6.35 SU	1.57 SU
580-49777-A-8	TCLP-365-A	1311, 3010A, 6010B	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.31 SU	1.59 SU
580-49777-A-9	TCLP-352-B	1311, 3010A, 6010B	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.12 SU	1.60 SU
580-49777-A-10	TCLP-352-A	1311, 3010A, 6010B	P	100.0 g	2000 mL	5.0 g	96.5 mL	7.02 SU	1.57 SU
580-49777-A-11	TCLP-362-A	1311, 3010A, 6010B	P	100.2 g	2000 mL	5.0 g	96.5 mL	6.55 SU	1.59 SU
580-49777-A-12	TCLP-365-B	1311, 3010A, 6010B	P	100.2 g	2000 mL	5.0 g	96.5 mL	5.71 SU	1.56 SU
580-49777-A-13	TCLP-356-A	1311, 3010A, 6010B	P	100.1 g	2000 mL	5.0 g	96.5 mL	6.23 SU	1.58 SU
580-49777-A-14	TCLP-363-A	1311, 3010A, 6010B	P	100.2 g	2000 mL	5.0 g	96.5 mL	6.62 SU	1.52 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid			
MB 580-189464/1		1311, 3010A, 6010B		4.90 SU	100 %	1			
LCS 580-189464/2		1311, 3010A, 6010B		4.90 SU	100 %	1			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189464 Batch Start Date: 05/14/15 18:04 Batch Analyst: Lundell, Rich B

Batch Method: 1311 Batch End Date: 05/15/15 13:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid			
LCSD 580-189464/3		1311, 3010A, 6010B		4.90 SU	100 %	1			
580-49777-A-1	TCLP-351-A	1311, 3010A, 6010B	P	4.82 SU	100 %	1			
580-49777-A-2	TCLP-361-A	1311, 3010A, 6010B	P	4.83 SU	100 %	1			
580-49777-A-3	TCLP-350-A	1311, 3010A, 6010B	P	4.84 SU	100 %	1			
580-49777-A-4	TCLP-350-B	1311, 3010A, 6010B	P	4.84 SU	100 %	1			
580-49777-A-5	TCLP-358-A	1311, 3010A, 6010B	P	4.84 SU	100 %	1			
580-49777-A-6	TCLP-358-B	1311, 3010A, 6010B	P	4.86 SU	100 %	1			
580-49777-A-7	TCLP-359-A	1311, 3010A, 6010B	P	4.84 SU	100 %	1			
580-49777-A-8	TCLP-365-A	1311, 3010A, 6010B	P	4.87 SU	100 %	1			
580-49777-A-9	TCLP-352-B	1311, 3010A, 6010B	P	4.88 SU	100 %	1			
580-49777-A-10	TCLP-352-A	1311, 3010A, 6010B	P	4.87 SU	100 %	1			
580-49777-A-11	TCLP-362-A	1311, 3010A, 6010B	P	4.84 SU	100 %	1			
580-49777-A-12	TCLP-365-B	1311, 3010A, 6010B	P	4.86 SU	100 %	1			
580-49777-A-13	TCLP-356-A	1311, 3010A, 6010B	P	4.87 SU	100 %	1			
580-49777-A-14	TCLP-363-A	1311, 3010A, 6010B	P	4.86 SU	100 %	1			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189464 Batch Start Date: 05/14/15 18:04 Batch Analyst: Lundell, Rich B

Batch Method: 1311 Batch End Date: 05/15/15 13:45

Batch Notes	
1N Lot #	1429834
Balance ID	sea231
Bottle Lot Number	0129001x, 0427101v
pH Buffer 1 ID	1310882 (pH2)
pH Buffer 2 ID	135952 (pH7)
pH Buffer 3 ID	134095 (pH10)
pH Buffer 4 ID	1406B18 (pH7, 2nd source)
First End time	5/15/15@1230
Filter Lot #	9626946
Hot Plate ID	sp73235/50c/10min
pH Meter ID	3
Room Temperature Thermometer ID	122531678
First Start time	5/14/15@2000
TCLP Fluid 1 ID	1451478
TCLP Fluid 1 pH	4.90
TCLP Fluid 2 ID	1457176
TCLP Fluid 2 pH	2.90
Maximum Temperature	24.1 Degrees C
Minimum Temperature	23.1 Degrees C
ID number of the thermometer	64155
Tumbler Rotations per Minute	30
Uncorrected Maximum Temperature	23.9 Degrees C
Uncorrected Minimum Temperature	22.9 Degrees C

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189598 Batch Start Date: 05/15/15 17:06 Batch Analyst: Boardway, Peter A

Batch Method: 3010A Batch End Date: 05/15/15 21:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	m-GPS-1 00036	m-GPS-2 00028	m-GPS-3 00030	m-GPS-4 00030
580-49777-A-1-A	TCLP-351-A	3010A, 6010B	P	50 mL	50 mL				
580-49777-A-1-A DU	TCLP-351-A	3010A, 6010B	P	50 mL	50 mL				
580-49777-A-1-A MS	TCLP-351-A	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-49777-A-1-A MSD	TCLP-351-A	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-49777-A-2-A	TCLP-361-A	3010A, 6010B	P	50 mL	50 mL				
580-49777-A-3-A	TCLP-350-A	3010A, 6010B	P	50 mL	50 mL				
580-49777-A-4-A	TCLP-350-B	3010A, 6010B	P	50 mL	50 mL				
580-49777-A-5-A	TCLP-358-A	3010A, 6010B	P	50 mL	50 mL				
580-49777-A-6-A	TCLP-358-B	3010A, 6010B	P	50 mL	50 mL				
580-49777-A-7-A	TCLP-359-A	3010A, 6010B	P	50 mL	50 mL				
580-49777-A-8-A	TCLP-365-A	3010A, 6010B	P	50 mL	50 mL				
580-49777-A-9-A	TCLP-352-B	3010A, 6010B	P	50 mL	50 mL				
580-49777-A-10-A	TCLP-352-A	3010A, 6010B	P	50 mL	50 mL				
580-49777-A-11-A	TCLP-362-A	3010A, 6010B	P	50 mL	50 mL				
580-49777-A-12-A	TCLP-365-B	3010A, 6010B	P	50 mL	50 mL				
580-49777-A-13-A	TCLP-356-A	3010A, 6010B	P	50 mL	50 mL				
580-49777-A-14-A	TCLP-363-A	3010A, 6010B	P	50 mL	50 mL				
MB 580-189464/1-A		3010A, 6010B		50 mL	50 mL				
LCS 580-189464/2-A		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCSD 580-189464/3-A		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCSSRM 580-189598/27		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189598 Batch Start Date: 05/15/15 17:06 Batch Analyst: Boardway, Peter A

Batch Method: 3010A Batch End Date: 05/15/15 21:00

Batch Notes	
Lot # of hydrochloric acid	1414631
Lot # of Nitric Acid	1431206
Hot Block ID number	38009
Oven, Bath or Block Temperature 1	94.6 CORRECTED-TEMP Degrees C
Oven, Bath or Block Temperature 2	94.6 CORRECTED-TEMP Degrees C
Pipette ID	METALS-PREP-2
ID number of the thermometer	HB-01
Digestion Tube/Cup Lot #	1414496
Uncorrected Temperature	95 Celsius

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189636 Batch Start Date: 05/17/15 13:24 Batch Analyst: Lundell, Rich B

Batch Method: 1311 Batch End Date: 05/18/15 12:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_SampleWeigh t	EFD_VolumeWater Add	EFD_InitialpH	EFD_SecondpHChe ck
MB 580-189636/1		1311, 3010A, 6010B		100 g	2000 mL				
LCS 580-189636/2		1311, 3010A, 6010B		100 g	2000 mL				
LCSD 580-189636/3		1311, 3010A, 6010B		100 g	2000 mL				
580-49777-A-15	TCLP-370-A	1311, 3010A, 6010B	P	100 g	2000.0 mL	5.0 g	96.5 mL	6.40 SU	1.80 SU
580-49777-A-16	TCLP-364-A	1311, 3010A, 6010B	P	100 g	2000.0 mL	5.0 g	96.5 mL	6.53 SU	1.73 SU
580-49777-A-17	TCLP-370-B	1311, 3010A, 6010B	P	100.2 g	2000.0 mL	5.0 g	96.5 mL	6.26 SU	1.71 SU
580-49777-A-18	TCLP-371-A	1311, 3010A, 6010B	P	100 g	2000.0 mL	5.0 g	96.5 mL	6.62 SU	1.66 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid			
MB 580-189636/1		1311, 3010A, 6010B		4.90 SU	100 %	1			
LCS 580-189636/2		1311, 3010A, 6010B		4.90 SU	100 %	1			
LCSD 580-189636/3		1311, 3010A, 6010B		4.90 SU	100 %	1			
580-49777-A-15	TCLP-370-A	1311, 3010A, 6010B	P	4.83 SU	100 %	1			
580-49777-A-16	TCLP-364-A	1311, 3010A, 6010B	P	4.83 SU	100 %	1			
580-49777-A-17	TCLP-370-B	1311, 3010A, 6010B	P	4.82 SU	100 %	1			
580-49777-A-18	TCLP-371-A	1311, 3010A, 6010B	P	4.84 SU	100 %	1			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189636 Batch Start Date: 05/17/15 13:24 Batch Analyst: Lundell, Rich B

Batch Method: 1311 Batch End Date: 05/18/15 12:20

Batch Notes	
1N Lot #	1429834
Balance ID	sea231
Bottle Lot Number	0129001x, 0427101v
pH Buffer 1 ID	1310882 (pH2)
pH Buffer 2 ID	135952 (pH7)
pH Buffer 3 ID	134095 (pH10)
pH Buffer 4 ID	1406B18 (pH7, 2nd source)
First End time	5/18/15@1030
Filter Lot #	9626946
Hot Plate ID	sp73235/50c/10min
pH Meter ID	3
Room Temperature Thermometer ID	122531678
First Start time	5/17/15@1630
TCLP Fluid 1 ID	1451478
TCLP Fluid 1 pH	4.90
TCLP Fluid 2 ID	1457176
TCLP Fluid 2 pH	2.90
Maximum Temperature	24.5 Degrees C
Minimum Temperature	22.8 Degrees C
ID number of the thermometer	64155
Tumbler Rotations per Minute	30
Uncorrected Maximum Temperature	24.3 Degrees C
Uncorrected Minimum Temperature	22.6 Degrees C

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189703 Batch Start Date: 05/18/15 13:43 Batch Analyst: Boardway, Peter A

Batch Method: 3010A Batch End Date: 05/18/15 17:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	m-GPS-1 00036	m-GPS-2 00028	m-GPS-3 00030	m-GPS-4 00030
580-49777-A-18-A	TCLP-371-A	3010A, 6010B	P	50 mL	50 mL				
580-49777-A-18-A DU	TCLP-371-A	3010A, 6010B	P	50 mL	50 mL				
580-49777-A-18-A MS	TCLP-371-A	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-49777-A-18-A MSD	TCLP-371-A	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-49777-A-15-A	TCLP-370-A	3010A, 6010B	P	50 mL	50 mL				
580-49777-A-16-A	TCLP-364-A	3010A, 6010B	P	50 mL	50 mL				
580-49777-A-17-A	TCLP-370-B	3010A, 6010B	P	50 mL	50 mL				
MB 580-189636/1-A		3010A, 6010B		50 mL	50 mL				
LCS 580-189636/2-A		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCSD 580-189636/3-A		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCSSRM 580-189703/14		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL

Batch Notes	
Lot # of hydrochloric acid	1414631
Lot # of Nitric Acid	1431206
Hot Block ID number	38010
Oven, Bath or Block Temperature 1	94.6 CORRECTED-TEMP Degrees C
Oven, Bath or Block Temperature 2	94.6 CORRECTED-TEMP Degrees C
Pipette ID	METALS-PREP-2
ID number of the thermometer	HB-01
Digestion Tube/Cup Lot #	1414496
Uncorrected Temperature	95 Celsius

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189961 Batch Start Date: 05/20/15 14:00 Batch Analyst: Nijjar, Manjit K

Batch Method: 3050B Batch End Date: 05/20/15 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	m-GPS-1 00036	m-GPS-2 00028	m-GPS-3 00030
580-49777-A-19-A	351-A-05-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0823 g	50 mL			
580-49777-A-19-A DU	351-A-05-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0758 g	50 mL			
580-49777-A-19-A MS	351-A-05-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.1037 g	50 mL	1 mL	1 mL	1 mL
580-49777-A-19-A MSD	351-A-05-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.1011 g	50 mL	1 mL	1 mL	1 mL
580-49777-A-20-A	361-A-01-D-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0962 g	50 mL			
580-49777-A-21-A	361-A-04-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0731 g	50 mL			
580-49777-A-22-A	350-A-06-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0186 g	50 mL			
580-49777-A-23-A	350-A-07-A-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0026 g	50 mL			
580-49777-A-24-A	350-B-04-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.1398 g	50 mL			
MB 580-189961/20		3050B, 6020		CALC NOT SET TO RUN	1.0 g	50 mL			
LCS 580-189961/21		3050B, 6020		CALC NOT SET TO RUN	1.0 g	50 mL	1 mL	1 mL	1 mL
LCSD 580-189961/22		3050B, 6020		CALC NOT SET TO RUN	1.0 g	50 mL	1 mL	1 mL	1 mL
LCSSRM 580-189961/23		3050B, 6020		CALC NOT SET TO RUN	0.5063 g	50 mL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	m-GPS-4 00030	SRMsolid 00010				
580-49777-A-19-A	351-A-05-B-1	3050B, 6020	T						
580-49777-A-19-A DU	351-A-05-B-1	3050B, 6020	T						
580-49777-A-19-A MS	351-A-05-B-1	3050B, 6020	T	1 mL					
580-49777-A-19-A MSD	351-A-05-B-1	3050B, 6020	T	1 mL					
580-49777-A-20-A	361-A-01-D-1	3050B, 6020	T						
580-49777-A-21-A	361-A-04-B-1	3050B, 6020	T						
580-49777-A-22-A	350-A-06-B-1	3050B, 6020	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189961 Batch Start Date: 05/20/15 14:00 Batch Analyst: Nijjar, Manjit K

Batch Method: 3050B Batch End Date: 05/20/15 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	m-GPS-4 00030	SRMsolid 00010				
580-49777-A-23-A	350-A-07-A-1	3050B, 6020	T						
580-49777-A-24-A	350-B-04-B-1	3050B, 6020	T						
MB 580-189961/20		3050B, 6020							
LCS 580-189961/21		3050B, 6020		1 mL					
LCSD 580-189961/22		3050B, 6020		1 mL					
LCSSRM 580-189961/23		3050B, 6020			0.5063 g				

Batch Notes	
Balance ID	SEA228
Hydrogen peroxide lot number	1324292
Lot # of hydrochloric acid	1304450
Logbook ID for diluted Nitric	1304262
Lot # of Nitric Acid	1431206
Hood ID or number	06
Hot Block ID number	38008
Oven, Bath or Block Temperature 1	94 Degrees C
Pipette ID	METALS-PREP-2
ID number of the thermometer	HB-01
Digestion Tube/Cup Lot #	1414496
Uncorrected Temperature	93.6 Celsius
Uncorrected Temperature 2	94 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 190072 Batch Start Date: 05/21/15 12:20 Batch Analyst: Nijjar, Manjit K

Batch Method: 3050B Batch End Date: 05/21/15 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	m-GPS-1 00036	m-GPS-2 00028	m-GPS-3 00030
580-49777-A-25-A	358-A-04-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.1666 g	50 mL			
580-49777-A-25-A DU	358-A-04-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.1370 g	50 mL			
580-49777-A-25-A MS	358-A-04-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.1756 g	50 mL	1 mL	1 mL	1 mL
580-49777-A-25-A MSD	358-A-04-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.1359 g	50 mL	1 mL	1 mL	1 mL
580-49777-A-26-A	358-B-02-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0613 g	50 mL			
580-49777-A-27-A	359-A-03-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0576 g	50 mL			
580-49777-A-28-A	359-A-08-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0209 g	50 mL			
580-49777-A-29-A	COMP-359-X-A	3050B, 6020	T	CALC NOT SET TO RUN	1.0569 g	50 mL			
580-49777-A-30-A	365-A-01-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0903 g	50 mL			
580-49777-A-31-A	352-B-01-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.1232 g	50 mL			
580-49777-A-32-A	COMP-352-X-A	3050B, 6020	T	CALC NOT SET TO RUN	1.1445 g	50 mL			
580-49777-A-33-A	352-A-02-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0613 g	50 mL			
580-49777-A-34-A	362-A-06-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0861 g	50 mL			
580-49777-A-35-A	362-A-04-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0351 g	50 mL			
580-49777-A-36-A	365-B-03-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0366 g	50 mL			
580-49777-A-37-A	365-B-03-A-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0852 g	50 mL			
580-49777-A-38-A	COMP-365-B-X-A	3050B, 6020	T	CALC NOT SET TO RUN	1.0234 g	50 mL			
MB 580-190072/19		3050B, 6020		CALC NOT SET TO RUN	1.0 g	50 mL			
LCS 580-190072/20		3050B, 6020		CALC NOT SET TO RUN	1.0 g	50 mL	1 mL	1 mL	1 mL
LCSD 580-190072/21		3050B, 6020		CALC NOT SET TO RUN	1.0 g	50 mL	1 mL	1 mL	1 mL
LCSSRM 580-190072/22		3050B, 6020		CALC NOT SET TO RUN	0.5861 g	50 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 190072 Batch Start Date: 05/21/15 12:20 Batch Analyst: Nijjar, Manjit K

Batch Method: 3050B Batch End Date: 05/21/15 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	m-GPS-4 00030	SRMsolid 00010				
580-49777-A-25-A	358-A-04-B-1	3050B, 6020	T						
580-49777-A-25-A DU	358-A-04-B-1	3050B, 6020	T						
580-49777-A-25-A MS	358-A-04-B-1	3050B, 6020	T	1 mL					
580-49777-A-25-A MSD	358-A-04-B-1	3050B, 6020	T	1 mL					
580-49777-A-26-A	358-B-02-B-1	3050B, 6020	T						
580-49777-A-27-A	359-A-03-B-1	3050B, 6020	T						
580-49777-A-28-A	359-A-08-B-1	3050B, 6020	T						
580-49777-A-29-A	COMP-359-X-A	3050B, 6020	T						
580-49777-A-30-A	365-A-01-B-1	3050B, 6020	T						
580-49777-A-31-A	352-B-01-B-1	3050B, 6020	T						
580-49777-A-32-A	COMP-352-X-A	3050B, 6020	T						
580-49777-A-33-A	352-A-02-B-1	3050B, 6020	T						
580-49777-A-34-A	362-A-06-B-1	3050B, 6020	T						
580-49777-A-35-A	362-A-04-B-1	3050B, 6020	T						
580-49777-A-36-A	365-B-03-B-1	3050B, 6020	T						
580-49777-A-37-A	365-B-03-A-1	3050B, 6020	T						
580-49777-A-38-A	COMP-365-B-X-A	3050B, 6020	T						
MB 580-190072/19		3050B, 6020							
LCS 580-190072/20		3050B, 6020		1 mL					
LCSD 580-190072/21		3050B, 6020		1 mL					
LCSSRM 580-190072/22		3050B, 6020			0.5861 g				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 190072 Batch Start Date: 05/21/15 12:20 Batch Analyst: Nijjar, Manjit K

Batch Method: 3050B Batch End Date: 05/21/15 14:00

Batch Notes	
Balance ID	SEA228
Hydrogen peroxide lot number	1324292
Lot # of hydrochloric acid	1304450
Logbook ID for diluted Nitric	1304262
Lot # of Nitric Acid	1431206
Hood ID or number	06
Hot Block ID number	38008
Oven, Bath or Block Temperature 1	94 Degrees C
Pipette ID	METALS-PREP-2
ID number of the thermometer	HB-01
Digestion Tube/Cup Lot #	1414496
Uncorrected Temperature	93.6 Celsius
Uncorrected Temperature 2	94 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 190088 Batch Start Date: 05/21/15 16:20 Batch Analyst: Nijjar, Manjit K

Batch Method: 3050B Batch End Date: 05/21/15 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	m-GPS-1 00036	m-GPS-2 00028	m-GPS-3 00030
580-49777-A-39-A	356-A-03-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0398 g	50 mL			
580-49777-A-39-A DU	356-A-03-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0626 g	50 mL			
580-49777-A-39-A MS	356-A-03-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0345 g	50 mL	1 mL	1 mL	1 mL
580-49777-A-39-A MSD	356-A-03-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0437 g	50 mL	1 mL	1 mL	1 mL
580-49777-A-40-A	356-A-06-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0552 g	50 mL			
580-49777-A-41-A	363-A-04-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0379 g	50 mL			
580-49777-A-42-A	363-A-08-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.1309 g	50 mL			
580-49777-A-43-A	370-A-01-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0516 g	50 mL			
580-49777-A-44-A	364-A-05-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.1068 g	50 mL			
580-49777-A-45-A	370-B-04-B	3050B, 6020	T	CALC NOT SET TO RUN	1.0267 g	50 mL			
580-49777-A-46-A	364-A-07-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0132 g	50 mL			
580-49777-A-47-A	371-A-04-B	3050B, 6020	T	CALC NOT SET TO RUN	1.0809 g	50 mL			
580-49777-A-48-A	371-A-06-B	3050B, 6020	T	CALC NOT SET TO RUN	1.1215 g	50 mL			
MB 580-190088/14		3050B, 6020		CALC NOT SET TO RUN	1.0 g	50 mL			
LCS 580-190088/15		3050B, 6020		CALC NOT SET TO RUN	1.0 g	50 mL	1 mL	1 mL	1 mL
LCSD 580-190088/16		3050B, 6020		CALC NOT SET TO RUN	1.0 g	50 mL	1 mL	1 mL	1 mL
LCSSRM 580-190088/17		3050B, 6020		CALC NOT SET TO RUN	0.5052 g	50 mL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	m-GPS-4 00030	SRMsolid 00010				
580-49777-A-39-A	356-A-03-B-1	3050B, 6020	T						
580-49777-A-39-A DU	356-A-03-B-1	3050B, 6020	T						
580-49777-A-39-A MS	356-A-03-B-1	3050B, 6020	T	1 mL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 190088 Batch Start Date: 05/21/15 16:20 Batch Analyst: Nijjar, Manjit K

Batch Method: 3050B Batch End Date: 05/21/15 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	m-GPS-4 00030	SRMsolid 00010				
580-49777-A-39-A MSD	356-A-03-B-1	3050B, 6020	T	1 mL					
580-49777-A-40-A	356-A-06-B-1	3050B, 6020	T						
580-49777-A-41-A	363-A-04-B-1	3050B, 6020	T						
580-49777-A-42-A	363-A-08-B-1	3050B, 6020	T						
580-49777-A-43-A	370-A-01-B-1	3050B, 6020	T						
580-49777-A-44-A	364-A-05-B-1	3050B, 6020	T						
580-49777-A-45-A	370-B-04-B	3050B, 6020	T						
580-49777-A-46-A	364-A-07-B-1	3050B, 6020	T						
580-49777-A-47-A	371-A-04-B	3050B, 6020	T						
580-49777-A-48-A	371-A-06-B	3050B, 6020	T						
MB 580-190088/14		3050B, 6020							
LCS 580-190088/15		3050B, 6020		1 mL					
LCSD 580-190088/16		3050B, 6020		1 mL					
LCSSRM 580-190088/17		3050B, 6020			0.5052 g				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 190088 Batch Start Date: 05/21/15 16:20 Batch Analyst: Nijjar, Manjit K

Batch Method: 3050B Batch End Date: 05/21/15 18:00

Batch Notes	
Balance ID	SEA228
Hydrogen peroxide lot number	1324292
Lot # of hydrochloric acid	1304450
Logbook ID for diluted Nitric	1304262
Lot # of Nitric Acid	1431206
Hood ID or number	06
Hot Block ID number	38008
Oven, Bath or Block Temperature 1	94 Degrees C
Pipette ID	METALS-PREP-2
ID number of the thermometer	HB-01
Digestion Tube/Cup Lot #	1414496
Uncorrected Temperature	93.6 Celsius
Uncorrected Temperature 2	94 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189464 Batch Start Date: 05/14/15 18:04 Batch Analyst: Lundell, Rich B

Batch Method: 1311 Batch End Date: 05/15/15 13:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_SampleWeigh t	EFD_VolumeWater Add	EFD_InitialpH	EFD_SecondpH Che ck
580-49777-A-1	TCLP-351-A	1311, 7470A, 7470A	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.11 SU	1.66 SU
580-49777-A-2	TCLP-361-A	1311, 7470A, 7470A	P	100.2 g	2000 mL	5.0 g	96.5 mL	6.11 SU	1.62 SU
580-49777-A-3	TCLP-350-A	1311, 7470A, 7470A	P	100.1 g	2000 mL	5.0 g	96.5 mL	6.07 SU	1.64 SU
580-49777-A-4	TCLP-350-B	1311, 7470A, 7470A	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.04 SU	1.66 SU
580-49777-A-5	TCLP-358-A	1311, 7470A, 7470A	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.20 SU	1.63 SU
580-49777-A-6	TCLP-358-B	1311, 7470A, 7470A	P	100.2 g	2000 mL	5.0 g	96.5 mL	6.18 SU	1.62 SU
580-49777-A-7	TCLP-359-A	1311, 7470A, 7470A	P	100.1 g	2000 mL	5.0 g	96.5 mL	6.35 SU	1.57 SU
580-49777-A-8	TCLP-365-A	1311, 7470A, 7470A	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.31 SU	1.59 SU
580-49777-A-9	TCLP-352-B	1311, 7470A, 7470A	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.12 SU	1.60 SU
580-49777-A-10	TCLP-352-A	1311, 7470A, 7470A	P	100.0 g	2000 mL	5.0 g	96.5 mL	7.02 SU	1.57 SU
580-49777-A-11	TCLP-362-A	1311, 7470A, 7470A	P	100.2 g	2000 mL	5.0 g	96.5 mL	6.55 SU	1.59 SU
580-49777-A-12	TCLP-365-B	1311, 7470A, 7470A	P	100.2 g	2000 mL	5.0 g	96.5 mL	5.71 SU	1.56 SU
580-49777-A-13	TCLP-356-A	1311, 7470A, 7470A	P	100.1 g	2000 mL	5.0 g	96.5 mL	6.23 SU	1.58 SU
580-49777-A-14	TCLP-363-A	1311, 7470A, 7470A	P	100.2 g	2000 mL	5.0 g	96.5 mL	6.62 SU	1.52 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid			
580-49777-A-1	TCLP-351-A	1311, 7470A, 7470A	P	4.82 SU	100 %	1			
580-49777-A-2	TCLP-361-A	1311, 7470A, 7470A	P	4.83 SU	100 %	1			
580-49777-A-3	TCLP-350-A	1311, 7470A, 7470A	P	4.84 SU	100 %	1			
580-49777-A-4	TCLP-350-B	1311, 7470A, 7470A	P	4.84 SU	100 %	1			
580-49777-A-5	TCLP-358-A	1311, 7470A, 7470A	P	4.84 SU	100 %	1			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189464 Batch Start Date: 05/14/15 18:04 Batch Analyst: Lundell, Rich B

Batch Method: 1311 Batch End Date: 05/15/15 13:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid			
580-49777-A-6	TCLP-358-B	1311, 7470A, 7470A	P	4.86 SU	100 %	1			
580-49777-A-7	TCLP-359-A	1311, 7470A, 7470A	P	4.84 SU	100 %	1			
580-49777-A-8	TCLP-365-A	1311, 7470A, 7470A	P	4.87 SU	100 %	1			
580-49777-A-9	TCLP-352-B	1311, 7470A, 7470A	P	4.88 SU	100 %	1			
580-49777-A-10	TCLP-352-A	1311, 7470A, 7470A	P	4.87 SU	100 %	1			
580-49777-A-11	TCLP-362-A	1311, 7470A, 7470A	P	4.84 SU	100 %	1			
580-49777-A-12	TCLP-365-B	1311, 7470A, 7470A	P	4.86 SU	100 %	1			
580-49777-A-13	TCLP-356-A	1311, 7470A, 7470A	P	4.87 SU	100 %	1			
580-49777-A-14	TCLP-363-A	1311, 7470A, 7470A	P	4.86 SU	100 %	1			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189464 Batch Start Date: 05/14/15 18:04

Batch Analyst: Lundell, Rich B

Batch Method: 1311 Batch End Date: 05/15/15 13:45

Batch Notes	
1N Lot #	1429834
Balance ID	sea231
Bottle Lot Number	0129001x, 0427101v
pH Buffer 1 ID	1310882 (pH2)
pH Buffer 2 ID	135952 (pH7)
pH Buffer 3 ID	134095 (pH10)
pH Buffer 4 ID	1406B18 (pH7, 2nd source)
First End time	5/15/15@1230
Filter Lot #	9626946
Hot Plate ID	sp73235/50c/10min
pH Meter ID	3
Room Temperature Thermometer ID	122531678
First Start time	5/14/15@2000
TCLP Fluid 1 ID	1451478
TCLP Fluid 1 pH	4.90
TCLP Fluid 2 ID	1457176
TCLP Fluid 2 pH	2.90
Maximum Temperature	24.1 Degrees C
Minimum Temperature	23.1 Degrees C
ID number of the thermometer	64155
Tumbler Rotations per Minute	30
Uncorrected Maximum Temperature	23.9 Degrees C
Uncorrected Minimum Temperature	22.9 Degrees C

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189601 Batch Start Date: 05/18/15 08:15 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 05/18/15 10:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_CAL_WORK 00025			
580-49777-A-1-A	TCLP-351-A	7470A, 7470A	P	5 mL	50 mL				
580-49777-A-1-A DU	TCLP-351-A	7470A, 7470A	P	5 mL	50 mL				
580-49777-A-1-A MS	TCLP-351-A	7470A, 7470A	P	5 mL	50 mL	1 mL			
580-49777-A-1-A MSD	TCLP-351-A	7470A, 7470A	P	5 mL	50 mL	1 mL			
580-49777-A-2-A	TCLP-361-A	7470A, 7470A	P	5 mL	50 mL				
580-49777-A-3-A	TCLP-350-A	7470A, 7470A	P	5 mL	50 mL				
580-49777-A-4-A	TCLP-350-B	7470A, 7470A	P	5 mL	50 mL				
580-49777-A-5-A	TCLP-358-A	7470A, 7470A	P	5 mL	50 mL				
580-49777-A-6-A	TCLP-358-B	7470A, 7470A	P	5 mL	50 mL				
580-49777-A-7-A	TCLP-359-A	7470A, 7470A	P	5 mL	50 mL				
580-49777-A-8-A	TCLP-365-A	7470A, 7470A	P	5 mL	50 mL				
580-49777-A-9-A	TCLP-352-B	7470A, 7470A	P	5 mL	50 mL				
580-49777-A-10-A	TCLP-352-A	7470A, 7470A	P	5 mL	50 mL				
580-49777-A-11-A	TCLP-362-A	7470A, 7470A	P	5 mL	50 mL				
580-49777-A-12-A	TCLP-365-B	7470A, 7470A	P	5 mL	50 mL				
580-49777-A-13-A	TCLP-356-A	7470A, 7470A	P	5 mL	50 mL				
580-49777-A-14-A	TCLP-363-A	7470A, 7470A	P	5 mL	50 mL				
MB 580-189601/24		7470A, 7470A		5 mL	50 mL				
LCS 580-189601/25		7470A, 7470A		5 mL	50 mL	1 mL			
LCSD 580-189601/26		7470A, 7470A		5 mL	50 mL	1 mL			
LCSSRM 580-189601/27		7470A, 7470A		5 mL	50 mL	1 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189601 Batch Start Date: 05/18/15 08:15 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 05/18/15 10:15

Batch Notes	
Hydroxylamine Hydrochloride Lot	1414591
Sulfuric Acid Lot Number	1292486
Lot # of Nitric Acid	1431206
Hood ID or number	06
Hot Block ID number	38009
Potassium Persulfate Lot Number	988268
Potassium Permanganate Lot Number	1431776
NaCl Lot #	979092
Oven, Bath or Block Temperature 1	93.6 CORRECTED-TEMP Celsius
Pipette ID	METALS-PREP-2
Stannous Chloride Lot Number	1414590
Temperature	93.6 CORRECTED-TEMP
ID number of the thermometer	HB-01
Digestion Tube/Cup Lot #	1414496
Uncorrected Temperature	94.0 Celsius

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189636 Batch Start Date: 05/17/15 13:24 Batch Analyst: Lundell, Rich B

Batch Method: 1311 Batch End Date: 05/18/15 12:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_SampleWeigh t	EFD_VolumeWater Add	EFD_InitialpH	EFD_SecondpHChe ck
580-49777-A-15	TCLP-370-A	1311, 7470A, 7470A	P	100 g	2000.0 mL	5.0 g	96.5 mL	6.40 SU	1.80 SU
580-49777-A-16	TCLP-364-A	1311, 7470A, 7470A	P	100 g	2000.0 mL	5.0 g	96.5 mL	6.53 SU	1.73 SU
580-49777-A-17	TCLP-370-B	1311, 7470A, 7470A	P	100.2 g	2000.0 mL	5.0 g	96.5 mL	6.26 SU	1.71 SU
580-49777-A-18	TCLP-371-A	1311, 7470A, 7470A	P	100 g	2000.0 mL	5.0 g	96.5 mL	6.62 SU	1.66 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid			
580-49777-A-15	TCLP-370-A	1311, 7470A, 7470A	P	4.83 SU	100 %	1			
580-49777-A-16	TCLP-364-A	1311, 7470A, 7470A	P	4.83 SU	100 %	1			
580-49777-A-17	TCLP-370-B	1311, 7470A, 7470A	P	4.82 SU	100 %	1			
580-49777-A-18	TCLP-371-A	1311, 7470A, 7470A	P	4.84 SU	100 %	1			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189636 Batch Start Date: 05/17/15 13:24 Batch Analyst: Lundell, Rich B

Batch Method: 1311 Batch End Date: 05/18/15 12:20

Batch Notes	
1N Lot #	1429834
Balance ID	sea231
Bottle Lot Number	0129001x, 0427101v
pH Buffer 1 ID	1310882 (pH2)
pH Buffer 2 ID	135952 (pH7)
pH Buffer 3 ID	134095 (pH10)
pH Buffer 4 ID	1406B18 (pH7, 2nd source)
First End time	5/18/15@1030
Filter Lot #	9626946
Hot Plate ID	sp73235/50c/10min
pH Meter ID	3
Room Temperature Thermometer ID	122531678
First Start time	5/17/15@1630
TCLP Fluid 1 ID	1451478
TCLP Fluid 1 pH	4.90
TCLP Fluid 2 ID	1457176
TCLP Fluid 2 pH	2.90
Maximum Temperature	24.5 Degrees C
Minimum Temperature	22.8 Degrees C
ID number of the thermometer	64155
Tumbler Rotations per Minute	30
Uncorrected Maximum Temperature	24.3 Degrees C
Uncorrected Minimum Temperature	22.6 Degrees C

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189706 Batch Start Date: 05/18/15 14:05 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 05/18/15 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_CAL_WORK 00025			
580-49777-A-18-A	TCLP-371-A	7470A, 7470A	P	5 mL	50 mL				
580-49777-A-18-A DU	TCLP-371-A	7470A, 7470A	P	5 mL	50 mL				
580-49777-A-18-A MS	TCLP-371-A	7470A, 7470A	P	5 mL	50 mL	1 mL			
580-49777-A-18-A MSD	TCLP-371-A	7470A, 7470A	P	5 mL	50 mL	1 mL			
580-49777-A-15-A	TCLP-370-A	7470A, 7470A	P	5 mL	50 mL				
580-49777-A-16-A	TCLP-364-A	7470A, 7470A	P	5 mL	50 mL				
580-49777-A-17-A	TCLP-370-B	7470A, 7470A	P	5 mL	50 mL				
MB 580-189706/11		7470A, 7470A		5 mL	50 mL				
LCS 580-189706/12		7470A, 7470A		5 mL	50 mL	1 mL			
LCSD 580-189706/13		7470A, 7470A		5 mL	50 mL	1 mL			
LCSSRM 580-189706/14		7470A, 7470A		5 mL	50 mL	1 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189706 Batch Start Date: 05/18/15 14:05 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 05/18/15 16:00

Batch Notes	
Hydroxylamine Hydrochloride Lot	1414591
Sulfuric Acid Lot Number	1292486
Lot # of Nitric Acid	1431206
Hood ID or number	06
Hot Block ID number	38009
Potassium Persulfate Lot Number	988268
Potassium Permanganate Lot Number	1431776
NaCl Lot #	979092
Oven, Bath or Block Temperature 1	93.6 CORRECTED-TEMP Celsius
Pipette ID	METALS-PREP-2
Stannous Chloride Lot Number	1414590
Temperature	93.6 CORRECTED-TEMP
ID number of the thermometer	HB-01
Digestion Tube/Cup Lot #	1414496
Uncorrected Temperature	94.0 Celsius

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle

Job Number: 580-49777-1

SDG No.: _____

Project: Everett Uplands - 2015 Mapping and Sampl

Client Sample ID	Lab Sample ID
351-A-05-B-1	580-49777-19
361-A-01-D-1	580-49777-20
361-A-04-B-1	580-49777-21
350-A-06-B-1	580-49777-22
350-A-07-A-1	580-49777-23
350-B-04-B-1	580-49777-24
358-A-04-B-1	580-49777-25
358-B-02-B-1	580-49777-26
359-A-03-B-1	580-49777-27
359-A-08-B-1	580-49777-28
COMP-359-X-A	580-49777-29
365-A-01-B-1	580-49777-30
352-B-01-B-1	580-49777-31
COMP-352-X-A	580-49777-32
352-A-02-B-1	580-49777-33
362-A-06-B-1	580-49777-34
362-A-04-B-1	580-49777-35
365-B-03-B-1	580-49777-36
365-B-03-A-1	580-49777-37
COMP-365-B-X-A	580-49777-38
356-A-03-B-1	580-49777-39
356-A-06-B-1	580-49777-40
363-A-04-B-1	580-49777-41
363-A-08-B-1	580-49777-42
370-A-01-B-1	580-49777-43
364-A-05-B-1	580-49777-44
370-B-04-B	580-49777-45
364-A-07-B-1	580-49777-46
371-A-04-B	580-49777-47
371-A-06-B	580-49777-48

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle

Job Number: 580-49777-1

SDG Number: _____

Matrix: Solid

Instrument ID: NOEQUIP

Method: 160.3

MDL Date: 12/31/2013 17:53

Analyte	Wavelength/ Mass	RL (%)	MDL (%)
Percent Moisture		0.1	0.1
Percent Solids		0.1	0.1

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Instrument ID: NOEQUIP Method: 160.3

Start Date: 05/18/2015 15:20 End Date: 05/18/2015 15:20

Lab Sample ID	D / F	Type	Time	Analytes															
				% S o l	M o i s t														
580-49777-19	1	T	15:20	X	X														
580-49777-19 DU	1	T	15:20	X	X														
580-49777-20	1	T	15:20	X	X														
580-49777-21	1	T	15:20	X	X														
580-49777-22	1	T	15:20	X	X														
580-49777-23	1	T	15:20	X	X														
580-49777-24	1	T	15:20	X	X														
580-49777-25	1	T	15:20	X	X														
580-49777-26	1	T	15:20	X	X														
580-49777-27	1	T	15:20	X	X														
580-49777-28	1	T	15:20	X	X														
580-49777-29	1	T	15:20	X	X														
580-49777-30	1	T	15:20	X	X														
580-49777-31	1	T	15:20	X	X														
ZZZZZZ			15:20																
ZZZZZZ			15:20																
ZZZZZZ			15:20																
ZZZZZZ			15:20																
ZZZZZZ			15:20																
ZZZZZZ			15:20																
ZZZZZZ			15:20																

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Instrument ID: NOEQUIP Method: 160.3

Start Date: 05/19/2015 11:47 End Date: 05/19/2015 11:47

Lab Sample ID	D / F	Type	Time	Analytes																
				% Sol	Moist															
ZZZZZZ			11:47																	
ZZZZZZ			11:47																	
ZZZZZZ			11:47																	
ZZZZZZ			11:47																	
580-49777-32	1	T	11:47	X	X															
580-49777-33	1	T	11:47	X	X															
580-49777-34	1	T	11:47	X	X															
580-49777-35	1	T	11:47	X	X															
580-49777-36	1	T	11:47	X	X															
580-49777-37	1	T	11:47	X	X															
580-49777-38	1	T	11:47	X	X															
580-49777-39	1	T	11:47	X	X															
580-49777-40	1	T	11:47	X	X															
580-49777-41	1	T	11:47	X	X															
580-49777-42	1	T	11:47	X	X															
580-49777-43	1	T	11:47	X	X															
580-49777-44	1	T	11:47	X	X															
580-49777-45	1	T	11:47	X	X															
580-49777-46	1	T	11:47	X	X															
580-49777-47	1	T	11:47	X	X															
580-49777-48	1	T	11:47	X	X															

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189716 Batch Start Date: 05/18/15 15:20 Batch Analyst: Coffie, Deron C

Batch Method: 160.3 Batch End Date: 05/19/15 09:22

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-49777-A-19	351-A-05-B-1	160.3	T	0.797 g	5.643 g	4.617 g			
580-49777-A-19 DU	351-A-05-B-1	160.3	T	0.797 g	6.712 g	5.528 g			
580-49777-A-20	361-A-01-D-1	160.3	T	0.799 g	5.985 g	4.631 g			
580-49777-A-21	361-A-04-B-1	160.3	T	0.795 g	6.167 g	4.964 g			
580-49777-A-22	350-A-06-B-1	160.3	T	0.797 g	5.201 g	4.082 g			
580-49777-A-23	350-A-07-A-1	160.3	T	0.809 g	5.695 g	4.957 g			
580-49777-A-24	350-B-04-B-1	160.3	T	0.800 g	5.787 g	4.707 g			
580-49777-A-25	358-A-04-B-1	160.3	T	0.795 g	6.914 g	5.608 g			
580-49777-A-26	358-B-02-B-1	160.3	T	0.793 g	6.538 g	5.298 g			
580-49777-A-27	359-A-03-B-1	160.3	T	0.799 g	6.216 g	5.106 g			
580-49777-A-28	359-A-08-B-1	160.3	T	0.803 g	6.351 g	5.786 g			
580-49777-A-29	COMP-359-X-A	160.3	T	0.808 g	6.847 g	5.878 g			
580-49777-A-30	365-A-01-B-1	160.3	T	0.808 g	5.765 g	4.451 g			
580-49777-A-31	352-B-01-B-1	160.3	T	0.800 g	6.877 g	5.256 g			

Batch Notes	
Balance ID	SEA230 No Unit
Date samples were placed in the oven	5/18/15
Oven Temp when samples are put in oven	108.2 Degrees C
Time samples were place in the oven	16:00
Date samples were removed from oven	5/19/2015
Oven Temp when samples removed from oven	111.2 Degrees C
Time Samples were removed from oven	0910
Oven ID	oven2
ID number of the thermometer	15-041-5E
Uncorrected In Temperature	110 Celsius
Uncorrected Out Temperature	113 Celsius

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189716 Batch Start Date: 05/18/15 15:20 Batch Analyst: Coffie, Deron C

Batch Method: 160.3 Batch End Date: 05/19/15 09:22

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

160.3

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189803 Batch Start Date: 05/19/15 11:47 Batch Analyst: Coffie, Deron C

Batch Method: 160.3 Batch End Date: 05/19/15 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-49777-A-32	COMP-352-X-A	160.3	T	0.791 g	5.991 g	4.852 g			
580-49777-A-33	352-A-02-B-1	160.3	T	0.812 g	5.841 g	4.624 g			
580-49777-A-34	362-A-06-B-1	160.3	T	0.798 g	5.215 g	4.420 g			
580-49777-A-35	362-A-04-B-1	160.3	T	0.792 g	5.353 g	4.647 g			
580-49777-A-36	365-B-03-B-1	160.3	T	0.790 g	6.146 g	5.196 g			
580-49777-A-37	365-B-03-A-1	160.3	T	0.798 g	5.391 g	4.235 g			
580-49777-A-38	COMP-365-B-X-A	160.3	T	0.780 g	5.841 g	4.959 g			
580-49777-A-39	356-A-03-B-1	160.3	T	0.784 g	6.182 g	5.165 g			
580-49777-A-40	356-A-06-B-1	160.3	T	0.786 g	6.017 g	4.772 g			
580-49777-A-41	363-A-04-B-1	160.3	T	0.782 g	5.392 g	4.637 g			
580-49777-A-42	363-A-08-B-1	160.3	T	0.809 g	6.550 g	5.870 g			
580-49777-A-43	370-A-01-B-1	160.3	T	0.798 g	7.436 g	5.878 g			
580-49777-A-44	364-A-05-B-1	160.3	T	0.794 g	6.757 g	5.276 g			
580-49777-A-45	370-B-04-B	160.3	T	0.796 g	7.617 g	6.318 g			
580-49777-A-46	364-A-07-B-1	160.3	T	0.812 g	6.778 g	5.543 g			
580-49777-A-47	371-A-04-B	160.3	T	0.771 g	6.321 g	5.056 g			
580-49777-A-48	371-A-06-B	160.3	T	0.788 g	6.225 g	5.096 g			

Batch Notes	
Balance ID	SEA229 No Unit
Date samples were placed in the oven	5/19/15
Oven Temp when samples are put in oven	108.2 Degrees C
Time samples were place in the oven	12:30
Date samples were removed from oven	5/19/15
Oven Temp when samples removed from oven	108.2 Degrees C
Time Samples were removed from oven	3:44
Oven ID	oven2
ID number of the thermometer	15-041-5E
Uncorrected In Temperature	110 Celsius
Uncorrected Out Temperature	110 Celsius

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-49777-1

SDG No.: _____

Batch Number: 189803 Batch Start Date: 05/19/15 11:47 Batch Analyst: Coffie, Deron C

Batch Method: 160.3 Batch End Date: 05/19/15 16:00

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

160.3

Shipping and Receiving Documents

49777 1 of 4



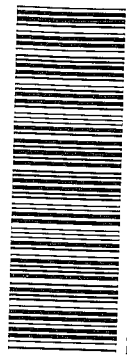
18912 North Creek Parkway, Suite 101
 Bothell, Washington 98011
 TEL: 425.485.5800 • FAX: 425.485.5566

CHAIN OF CUSTODY RECORD

Project No.: 305057.00.000.04.11.000 **Project Mgr:** D. Pearman 206.200.7637
Project Name: Everett Smelter Uplands - 2015 Mapping and Sampling
Project Location: Everett, WA
Sample Collectors: B. Donaldson, M. Esparra
Client Name: Washington State Department of Ecology
 Samples Collected by Hand Auger:

Sample ID	Depth	Matrix	Date	Time	# of Containers
TCLP-351-A	0-12"	Soil	04/15/15	1230	1
TCLP-361-A	0-12"	Soil	04/15/15	1604	1
TCLP-350-A	0-12"	Soil	04/17/15	1345	1
TCLP-350-B	0-12"	Soil	04/17/15	1613	1
TCLP-358-A	0-12"	Soil	04/17/15	1729	1
TCLP-358-B	0-12"	Soil	04/17/15	1852	1
TCLP-359-A	0-12"	Soil	04/21/15	1016	1
TCLP-365-A	0-12"	Soil	04/21/15	1207	1
TCLP-352-B	0-12"	Soil	04/21/15	1405	1
TCLP-352-A	0-12"	Soil	04/21/15	1520	1
TCLP-362-A	0-12"	Soil	04/23/15	1103	1
TCLP-365-B	0-12"	Soil	04/23/15	1340	1

Analyses / Tests	Shipping Information
Total Arsenic by ICP-MS	Number of Shipping Containers: 1
TCLP analysis	Date Shipped: WA
	Carrier: Courier
	Waybill No.: WA
	Comments



580-49777 Chain of Custody

Coolest/TB Dig/R cor 249 unc 248
 Cooler Dsc Lc Bl/Lc/LR@ Lab 175
 WetPacts Packing Bl/Lc/Lc
 v/lc LC

RELINQUISHED BY: Signature: [Signature] Date/Time: 5/8/15 11:25 Affiliation: leidos
RECEIVED BY: Signature: [Signature] Date/Time: 5/8/15 11:25 Affiliation: THSEA

RECEIVED BY: Signature: _____ Date/Time: _____ Affiliation: _____

• Pink: Lab Returns to Originator Upon Receipt of Samples

• Canary: Lab Retains

• Pink: Lab Returns to Project Manager with Final Report

• Goldenrod: Retained by Sampler

49777 2 of 4

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 Bothell, Washington 98011
 TEL: 425.485.5800 • FAX: 425.485.5566



CHAIN OF CUSTODY RECORD

Project No.: 305057.00.000.04.11.000 **Project Mgr:** D. Pearman 206.200.7637
Project Name: Everett Smelter Uplands - 2015 Mapping and Sampling
Project Location: Everett, WA
Sample Collectors: B. Donaldson, M. Esparra
Client Name: Washington State Department of Ecology
 Samples Collected by Hand Auger:

Sample ID	Depth	Matrix	Date	Time	# of Containers
TCLP-356-A	0-12"	Soil	04/23/15	1630	1
TCLP-363-A	0-12"	Soil	04/27/15	1422	1
TCLP-370-A	0-12"	Soil	04/27/15	1811	1
TCLP-364-A	0-12"	Soil	04/29/15	1128	1
TCLP-370-B	0-12"	Soil	04/29/15	1615	1
TCLP-371-A	0-12"	Soil	04/30/15	1316	1
351-A-05-B-1	6-12"	Soil	04/15/15	1159	1
361-A-01-D-1	18-24"	Soil	04/15/15	1424	1
361-A-04-B-1	6-12"	Soil	04/15/15	1540	1
350-A-06-B-1	6-12"	Soil	04/17/15	1236	1
350-A-07-A-1	0-6"	Soil	04/17/15	1320	1
350-B-04-B-1	6-12"	Soil	04/17/15	1555	1

Total Arsenic by ICP-MS
 TCLP analysis

Shipping Information

Number of Shipping Containers: 1
Date Shipped: NA
Carrier: courier
Waybill No.: NA

Analyses / Tests

Comments

RELINQUISHED BY: Signature: [Signature] Date/Time: 5/8/15 1125 Affiliation: leidos
RECEIVED BY: Signature: [Signature] Date/Time: 5/8/15 1125 Affiliation: TASEH
RELINQUISHED BY: Signature: [Signature] Date/Time: 5/8/15 1125 Affiliation: TASEH
RECEIVED BY: Signature: [Signature] Date/Time: 5/8/15 1125 Affiliation: TASEH

-13

-15

-17

-19

-21

-23

49777 3 of 4



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CHAIN OF CUSTODY RECORD

Project No.: 305057.00.000.04.11.000 **Project Mgr:** D. Pearman 206.200.7637
Project Name: Everett Smelter Uplands - 2015 Mapping and Sampling
Project Location: Everett, WA
Sample Collectors: B. Donaldson, M. Esparra
Client Name: Washington State Department of Ecology
 Samples Collected by Hand Auger:

Sample ID	Depth	Matrix	Date	Time	# of Containers
358-A-04-B-1	6-12"	Soil	04/17/15	1728	1
358-B-02-B-1	6-12"	Soil	04/17/15	1839	1
359-A-03-B-1	6-12"	Soil	04/21/15	1007	1
359-A-08-B-1	6-12"	Soil	04/21/15	1014	1
COMP-359-X-A	0-2"	Soil	04/21/15	1030	1
365-A-01-B-1	6-12"	Soil	04/21/15	1158	1
352-B-01-B-1	6-12"	Soil	04/21/15	1359	1
COMP-352-X-A	0-2"	Soil	04/21/15	1403	1
352-A-02-B-1	6-12"	Soil	04/21/15	1512	1
362-A-06-B-1	6-12"	Soil	04/23/15	1035	1
362-A-04-B-1	6-12"	Soil	04/23/15	1047	1
365-B-03-B-1	6-12"	Soil	04/23/15	1305	1

Analyses / Tests	Total Arsenic by ICP-MS	X
	TCLP analysis	X
Shipping Information	Number of Shipping Containers: 1	
	Date Shipped: MB	
	Carrier: carrier	
	Waybill No.: NA	
	Comments	

RELINQUISHED BY: Signature: [Signature] Date/Time: 5/8/15 11:25 Affiliation: Leidos
RECEIVED BY: Signature: [Signature] Date/Time: 5/8/15 5:18/15 Affiliation: TA & FA

RELINQUISHED BY: Signature: [Signature] Date/Time: [Date/Time] Affiliation: [Affiliation]
RECEIVED BY: Signature: [Signature] Date/Time: [Date/Time] Affiliation: [Affiliation]



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 Bothell, Washington 98011
 TEL: 425.485.5800 • FAX: 425.485.5566

CHAIN OF CUSTODY RECORD

Project No.: 305057.00.000.04.11.000 **Project Mgr:** D. Pearman 206.200.7637
Project Name: Everett Smelter Uplands - 2015 Mapping and Sampling
Project Location: Everett, WA
Sample Collectors: B. Donaldson, M. Esparra
Client Name: Washington State Department of Ecology
 Samples Collected by Hand Auger:

Sample ID	Depth	Matrix	Date	Time	# of Containers
365-B-03-A-1	0-6"	Soil	04/23/15	1317	1
COMP-365-B-X-A	0-2"	Soil	04/23/15	1329	1
356-A-03-B-1	6-12"	Soil	04/23/15	1624	1
356-A-06-B-1	6-12"	Soil	04/23/15	1625	1
363-A-04-B-1	6-12"	Soil	04/27/15	1042	1
363-A-08-B-1	6-12"	Soil	04/27/15	1132	1
370-A-01-B-1	6-12"	Soil	04/27/15	1604	1
364-A-05-B-1	0-2"	Soil	04/29/15	0904	1
370-B-04-B	6-12"	Soil	04/29/15	1351	1
364-A-07-B-1	6-12"	Soil	04/29/15	0926	1
371-A-04-B	6-12"	Soil	04/30/15	0935	1
371-A-06-B	6-12"	Soil	04/30/15	0951	1

Analyses / Tests	Shipping Information
Total Arsenic by ICP-MS	Number of Shipping Containers: 1
TCLP analysis	Date Shipped: MB
	Carrier: Courier
	Waybill No.: WA
	Comments

RELINQUISHED BY: Signature: [Signature] Date/Time: 5/19/15 11:25 Affiliation: Leidos
RECEIVED BY: Signature: [Signature] Date/Time: 5/19/15 11:25 Affiliation: TAFE

RECEIVED BY: Signature: _____ Date/Time: _____ Affiliation: _____

Login Sample Receipt Checklist

Client: Leidos, Inc.

Job Number: 580-49777-1

Login Number: 49777

List Source: TestAmerica Seattle

List Number: 1

Creator: Blankinship, Tom X

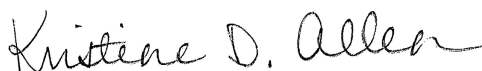
Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Refer to Job Narrative for details.
Cooler Temperature is acceptable.	False	Refer to Job Narrative for details.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	no
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 580-51064-1

Job Description: Everett Smerlter Uplands - 2015 Mapping

For:
Leidos, Inc.
18912 North Creek Parkway, Suite 101
Bothell, WA 98011
Attention: Bryan Donaldson



Approved for release.
Kristine D Allen
Manager of Project Management
7/7/2015 4:08 PM

Kristine D Allen, Manager of Project Management
5755 8th Street East, Tacoma, WA, 98424
(253)248-4970
kristine.allen@testamericainc.com
07/07/2015

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This report shall not be reproduced except in full, without prior express written approval by the laboratory. The results relate only to the item(s) tested and the sample(s) as received by the laboratory.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted in the case narrative.

TestAmerica Laboratories, Inc.

TestAmerica Seattle 5755 8th Street East, Tacoma, WA 98424
Tel (253) 922-2310 Fax (253) 922-5047 www.testamericainc.com



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CASE NARRATIVE

Client: Leidos, Inc.
Project: Everett Smerlter Uplands - 2015 Mapping
Report Number: 580-51064-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 06/19/2015. The temperature of the cooler at receipt was 21.9° C.

The following samples were submitted for analysis; however, they were not listed on the Chain-of-Custody (COC): TCLP-373-A (580-51064-41), TCLP-374-A (580-51064-42), TCLP-375-A (580-51064-43), TCLP-376-A (580-51064-44), TCLP-377-A (580-51064-45), TCLP-377-B (580-51064-46), TCLP-381-A (580-51064-47), TCLP-382-A (580-51064-48), TCLP-383-A (580-51064-49), TCLP-386-A (580-51064-50), TCLP-390-A (580-51064-51) and TCLP-394-A (580-51064-52). They were logged in for TCLP RCRA 8 metals. These samples were also received out of hold for TCLP Mercury analysis.

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): 390-A-01-B-1 (580-51064-31) and 398-A-06-B-1 (580-51064-38).

For sample 390-A-01-B-1 (580-51064-31), The container labels list "390-A-04-B-1" sampled 6/1/2015 at 1516hr and the COC lists 390-A-01-B-1 sampled 6/1/2015 at 1516hr.

For sample 398-A-06-B-1 (580-51064-38) The container labels list "396-A-06-B-1" sampled 6/11/2015 at 1149hr and the COC lists "398-A-06-B-1" sampled 6/11/2015 at 1149hr.

These samples were logged in per the container COCs per client instructions.

The COC list a sample 372-A-04-B-2 sampled 5/6/2015 @ 1534 however a container was not received for this sample.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TCLP METALS

Samples TCLP-393-A (580-51064-1), TCLP-393-B-1 (580-51064-2), TCLP-391-A-1 (580-51064-3), TCLP-392-A (580-51064-4), TCLP-389-A (580-51064-5), TCLP-388-A (580-51064-6), TCLP-400-DU-A-B (580-51064-7), TCLP-396-A (580-51064-8), TCLP-387-A (580-51064-9), TCLP-373-A (580-51064-41), TCLP-374-A (580-51064-42), TCLP-375-A (580-51064-43), TCLP-376-A (580-51064-44), TCLP-377-A (580-51064-45), TCLP-377-B (580-51064-46), TCLP-381-A (580-51064-47), TCLP-382-A (580-51064-48), TCLP-383-A (580-51064-49), TCLP-386-A (580-51064-50), TCLP-390-A (580-51064-51) and TCLP-394-A (580-51064-52) were analyzed for TCLP metals in accordance with EPA SW-846 Methods 1311/ 6010B. The samples were leached on 06/29/2015 and 07/01/2015, prepared on 06/30/2015 and 07/02/2015 and analyzed on 07/01/2015 and 07/06/2015.

Barium was detected in method blank MB 580-193544/1-B at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Barium was detected in method blank MB 580-193796/1-B at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Arsenic exceeded the RPD limit for the duplicate of sample TCLP-393-ADU (580-51064-1). Lead exceeded the RPD limit for the duplicate of sample TCLP-388-ADU (580-51064-6). The samples may not be homogeneous.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICPMS)

Samples 376-A-04-B-1 (580-51064-10), 370-B-05-B-1 (580-51064-11), 372-A-04-B-1 (580-51064-12), 377-B-02-B-1 (580-51064-14), 377-A-05-B-1 (580-51064-15), 383-A-04-B-1 (580-51064-16), 381-A-01-B-1 (580-51064-17), 374-A-05-B1 (580-51064-18), 373-A-04-B-1 (580-51064-19), 375-A-05-B-1 (580-51064-20), 375-A-08-B-1 (580-51064-21), 382-A-01-B-1 (580-51064-22), 394-A-05-B (580-51064-23), 394-A-07-B (580-51064-24), 386-A-06-B-1 (580-51064-25), 386-A-04-C-1 (580-51064-26), 393-A-01-B-1 (580-51064-27), 393-B-05-B-1 (580-51064-29), 391-A-04-B-1 (580-51064-30), 390-A-04-B-1 (580-51064-31), 392-A-01-B-1 (580-51064-32), 389-A-02-B-1 (580-51064-33), 388-A-02-B-1 (580-51064-34), 388-A-06-D-1 (580-51064-35), 400-B-04-B-1 (580-51064-36), 400-A-03-B-1 (580-51064-37), 396-A-06-B-1 (580-51064-38), 386-A-02-A-1 (580-51064-39), 387-A-04-B-1 (580-51064-40) and 393-A-01-C-1 (580-51064-53) were analyzed for total metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were leached on 06/25/2015, prepared on 06/25/2015 and analyzed on 06/26/2015 and 06/29/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TCLP MERCURY

Samples TCLP-393-A (580-51064-1), TCLP-393-B-1 (580-51064-2), TCLP-391-A-1 (580-51064-3), TCLP-392-A (580-51064-4), TCLP-389-A (580-51064-5), TCLP-388-A (580-51064-6), TCLP-400-DU-A-B (580-51064-7), TCLP-396-A (580-51064-8), TCLP-387-A (580-51064-9), TCLP-373-A (580-51064-41), TCLP-374-A (580-51064-42), TCLP-375-A (580-51064-43), TCLP-376-A (580-51064-44), TCLP-377-A (580-51064-45), TCLP-377-B (580-51064-46), TCLP-381-A (580-51064-47), TCLP-382-A (580-51064-48), TCLP-383-A (580-51064-49), TCLP-386-A (580-51064-50), TCLP-390-A (580-51064-51) and TCLP-394-A (580-51064-52) were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 06/29/2015 and 07/01/2015, and prepared and analyzed on 06/30/2015 and 07/02/2015.

The following samples was received outside of holding time: TCLP-387-A (580-51064-9), TCLP-373-A (580-51064-41), TCLP-374-A (580-51064-42), TCLP-375-A (580-51064-43), TCLP-376-A (580-51064-44), TCLP-377-A (580-51064-45), TCLP-377-B (580-51064-46), TCLP-381-A (580-51064-47), TCLP-382-A (580-51064-48), TCLP-383-A (580-51064-49), TCLP-390-A (580-51064-51) and TCLP-394-A (580-51064-52).

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS

Samples TCLP-393-A (580-51064-1), TCLP-393-B-1 (580-51064-2), TCLP-391-A-1 (580-51064-3), TCLP-392-A (580-51064-4), TCLP-389-A (580-51064-5), TCLP-388-A (580-51064-6), TCLP-400-DU-A-B (580-51064-7), TCLP-396-A (580-51064-8), TCLP-387-A (580-51064-9), 376-A-04-B-1 (580-51064-10), 370-B-05-B-1 (580-51064-11), 372-A-04-B-1 (580-51064-12), 377-B-02-B-1 (580-51064-14), 377-A-05-B-1 (580-51064-15), 383-A-04-B-1 (580-51064-16), 381-A-01-B-1 (580-51064-17), 374-A-05-B1 (580-51064-18), 373-A-04-B-1 (580-51064-19), 375-A-05-B-1 (580-51064-20), 375-A-08-B-1 (580-51064-21), 382-A-01-B-1 (580-51064-22), 394-A-05-B (580-51064-23), 394-A-07-B (580-51064-24), 386-A-06-B-1 (580-51064-25), 386-A-04-C-1 (580-51064-26), 393-A-01-B-1 (580-51064-27), 393-B-05-B-1 (580-51064-29), 391-A-04-B-1 (580-51064-30), 390-A-04-B-1 (580-51064-31), 392-A-01-B-1 (580-51064-32), 389-A-02-B-1 (580-51064-33), 388-A-02-B-1 (580-51064-34), 388-A-06-D-1 (580-51064-35), 400-B-04-B-1 (580-51064-36), 400-A-03-B-1 (580-51064-37), 396-A-06-B-1 (580-51064-38), 386-A-02-A-1 (580-51064-39), 387-A-04-B-1 (580-51064-40), TCLP-373-A (580-51064-41), TCLP-374-A (580-51064-42), TCLP-375-A (580-51064-43), TCLP-376-A (580-51064-44), TCLP-377-A (580-51064-45), TCLP-377-B (580-51064-46), TCLP-381-A (580-51064-47), TCLP-382-A (580-51064-48), TCLP-383-A (580-51064-49), TCLP-386-A (580-51064-50), TCLP-390-A (580-51064-51), TCLP-394-A (580-51064-52) and 393-A-01-C-1 (580-51064-53) were analyzed for percent solids in accordance with ASTM D2216. The samples were analyzed on 06/26/2015, 06/29/2015 and 07/01/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SAMPLE SUMMARY

Client: Leidos, Inc.

Job Number: 580-51064-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-51064-1	TCLP-393-A	Solid	06/03/2015 1429	06/19/2015 1145
580-51064-2	TCLP-393-B-1	Solid	06/04/2015 1253	06/19/2015 1145
580-51064-3	TCLP-391-A-1	Solid	06/04/2015 1617	06/19/2015 1145
580-51064-4	TCLP-392-A	Solid	06/08/2015 1413	06/19/2015 1145
580-51064-5	TCLP-389-A	Solid	06/09/2015 1330	06/19/2015 1145
580-51064-6	TCLP-388-A	Solid	06/09/2015 1704	06/19/2015 1145
580-51064-7	TCLP-400-DU-A-B	Solid	06/10/2015 1520	06/19/2015 1145
580-51064-8	TCLP-396-A	Solid	06/11/2015 1420	06/19/2015 1145
580-51064-9	TCLP-387-A	Solid	05/18/2015 1530	06/19/2015 1145
580-51064-10	376-A-04-B-1	Solid	05/04/2015 0931	06/19/2015 1145
580-51064-11	370-B-05-B-1	Solid	05/04/2015 1331	06/19/2015 1145
580-51064-12	372-A-04-B-1	Solid	05/06/2015 1646	06/19/2015 1145
580-51064-14	377-B-02-B-1	Solid	05/11/2015 0938	06/19/2015 1145
580-51064-15	377-A-05-B-1	Solid	05/12/2015 0918	06/19/2015 1145
580-51064-16	383-A-04-B-1	Solid	05/12/2015 1324	06/19/2015 1145
580-51064-17	381-A-01-B-1	Solid	05/13/2015 1045	06/19/2015 1145
580-51064-18	374-A-05-B1	Solid	05/14/2015 1030	06/19/2015 1145
580-51064-19	373-A-04-B-1	Solid	05/14/2015 1451	06/19/2015 1145
580-51064-20	375-A-05-B-1	Solid	05/20/2015 0937	06/19/2015 1145
580-51064-21	375-A-08-B-1	Solid	05/20/2015 1006	06/19/2015 1145
580-51064-22	382-A-01-B-1	Solid	05/20/2015 1349	06/19/2015 1145
580-51064-23	394-A-05-B	Solid	05/26/2015 1103	06/19/2015 1145
580-51064-24	394-A-07-B	Solid	05/26/2015 1134	06/19/2015 1145
580-51064-25	386-A-06-B-1	Solid	06/01/2015 0940	06/19/2015 1145
580-51064-26	386-A-04-C-1	Solid	06/01/2015 0919	06/19/2015 1145
580-51064-27	393-A-01-B-1	Solid	06/03/2015 0950	06/19/2015 1145
580-51064-29	393-B-05-B-1	Solid	06/04/2015 1040	06/19/2015 1145
580-51064-30	391-A-04-B-1	Solid	06/04/2015 1447	06/19/2015 1145
580-51064-31	390-A-04-B-1	Solid	06/01/2015 1516	06/19/2015 1145
580-51064-32	392-A-01-B-1	Solid	06/08/2015 0943	06/19/2015 1145
580-51064-33	389-A-02-B-1	Solid	06/09/2015 1010	06/19/2015 1145
580-51064-34	388-A-02-B-1	Solid	06/09/2015 1424	06/19/2015 1145
580-51064-35	388-A-06-D-1	Solid	06/09/2015 1525	06/19/2015 1145
580-51064-36	400-B-04-B-1	Solid	06/10/2015 1015	06/19/2015 1145
580-51064-37	400-A-03-B-1	Solid	06/10/2015 1152	06/19/2015 1145
580-51064-38	396-A-06-B-1	Solid	06/11/2015 1149	06/19/2015 1145
580-51064-39	386-A-02-A-1	Solid	06/01/2015 0900	06/19/2015 1145
580-51064-40	387-A-04-B-1	Solid	06/18/2015 1256	06/19/2015 1145
580-51064-41	TCLP-373-A	Solid	05/14/2015 1710	06/19/2015 1145
580-51064-42	TCLP-374-A	Solid	05/14/2015 1242	06/19/2015 1145
580-51064-43	TCLP-375-A	Solid	05/20/2015 1215	06/19/2015 1145
580-51064-44	TCLP-376-A	Solid	05/04/2015 1512	06/19/2015 1145
580-51064-45	TCLP-377-A	Solid	05/12/2015 1039	06/19/2015 1145
580-51064-46	TCLP-377-B	Solid	05/11/2015 1214	06/19/2015 1145
580-51064-47	TCLP-381-A	Solid	05/15/2015 1200	06/19/2015 1145
580-51064-48	TCLP-382-A	Solid	05/20/2015 1601	06/19/2015 1145
580-51064-49	TCLP-383-A	Solid	05/12/2015 1630	06/19/2015 1145
580-51064-50	TCLP-386-A	Solid	06/01/2015 1252	06/19/2015 1145
580-51064-51	TCLP-390-A	Solid	05/01/2015 1646	06/19/2015 1145
580-51064-52	TCLP-394-A	Solid	05/26/2015 1425	06/19/2015 1145
580-51064-53	393-A-01-C-1	Solid	06/03/2015 0950	06/19/2015 1145

EXECUTIVE SUMMARY - Detections

Client: Leidos, Inc.

Job Number: 580-51064-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-51064-1	TCLP-393-A					
Percent Solids		84		0.10	%	160.3
Percent Moisture		16		0.10	%	160.3
<i>TCLP</i>						
Arsenic		0.0078	J	0.060	mg/L	6010B
Barium		0.71	B	0.010	mg/L	6010B
Cadmium		0.0026	J	0.020	mg/L	6010B
Lead		0.13		0.030	mg/L	6010B
580-51064-2	TCLP-393-B-1					
Percent Solids		84		0.10	%	160.3
Percent Moisture		16		0.10	%	160.3
<i>TCLP</i>						
Arsenic		0.0064	J	0.060	mg/L	6010B
Barium		0.44	B	0.010	mg/L	6010B
Cadmium		0.0015	J	0.020	mg/L	6010B
Chromium		0.0043	J	0.025	mg/L	6010B
Lead		0.015	J	0.030	mg/L	6010B
580-51064-3	TCLP-391-A-1					
Percent Solids		86		0.10	%	160.3
Percent Moisture		14		0.10	%	160.3
<i>TCLP</i>						
Barium		0.67	B	0.010	mg/L	6010B
Cadmium		0.0015	J	0.020	mg/L	6010B
Lead		0.0089	J	0.030	mg/L	6010B
580-51064-4	TCLP-392-A					
Percent Solids		85		0.10	%	160.3
Percent Moisture		15		0.10	%	160.3
<i>TCLP</i>						
Barium		0.51	B	0.010	mg/L	6010B
Chromium		0.0035	J	0.025	mg/L	6010B
Lead		0.0066	J	0.030	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Leidos, Inc.

Job Number: 580-51064-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-51064-5	TCLP-389-A					
Percent Solids		85		0.10	%	160.3
Percent Moisture		15		0.10	%	160.3
<i>TCLP</i>						
Barium		0.59	B	0.010	mg/L	6010B
Cadmium		0.00090	J	0.020	mg/L	6010B
Chromium		0.0038	J	0.025	mg/L	6010B
Lead		0.010	J	0.030	mg/L	6010B
580-51064-6	TCLP-388-A					
Percent Solids		90		0.10	%	160.3
Percent Moisture		9.9		0.10	%	160.3
<i>TCLP</i>						
Barium		0.59	B	0.010	mg/L	6010B
Lead		0.0051	J	0.030	mg/L	6010B
580-51064-7	TCLP-400-DU-A-B					
Percent Solids		89		0.10	%	160.3
Percent Moisture		11		0.10	%	160.3
<i>TCLP</i>						
Barium		0.58	B	0.010	mg/L	6010B
Cadmium		0.00070	J	0.020	mg/L	6010B
Chromium		0.0034	J	0.025	mg/L	6010B
Lead		0.014	J	0.030	mg/L	6010B
580-51064-8	TCLP-396-A					
Percent Solids		88		0.10	%	160.3
Percent Moisture		12		0.10	%	160.3
<i>TCLP</i>						
Barium		0.36	B	0.010	mg/L	6010B
Lead		0.0052	J	0.030	mg/L	6010B
580-51064-9	TCLP-387-A					
Percent Solids		89		0.10	%	160.3
Percent Moisture		11		0.10	%	160.3
<i>TCLP</i>						
Barium		0.32	B	0.010	mg/L	6010B
Cadmium		0.00050	J	0.020	mg/L	6010B
Lead		0.0040	J	0.030	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Leidos, Inc.

Job Number: 580-51064-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-51064-10	376-A-04-B-1					
Arsenic		41		0.61	mg/Kg	6020
Percent Solids		79		0.10	%	160.3
Percent Moisture		21		0.10	%	160.3
580-51064-11	370-B-05-B-1					
Arsenic		27		0.61	mg/Kg	6020
Percent Solids		78		0.10	%	160.3
Percent Moisture		22		0.10	%	160.3
580-51064-12	372-A-04-B-1					
Arsenic		49		0.63	mg/Kg	6020
Percent Solids		72		0.10	%	160.3
Percent Moisture		28		0.10	%	160.3
580-51064-14	377-B-02-B-1					
Arsenic		46		0.59	mg/Kg	6020
Percent Solids		78		0.10	%	160.3
Percent Moisture		22		0.10	%	160.3
580-51064-15	377-A-05-B-1					
Arsenic		32		0.54	mg/Kg	6020
Percent Solids		82		0.10	%	160.3
Percent Moisture		18		0.10	%	160.3
580-51064-16	383-A-04-B-1					
Arsenic		27		0.56	mg/Kg	6020
Percent Solids		82		0.10	%	160.3
Percent Moisture		18		0.10	%	160.3
580-51064-17	381-A-01-B-1					
Arsenic		41		0.60	mg/Kg	6020
Percent Solids		72		0.10	%	160.3
Percent Moisture		28		0.10	%	160.3
580-51064-18	374-A-05-B1					
Arsenic		31		0.54	mg/Kg	6020
Percent Solids		81		0.10	%	160.3
Percent Moisture		19		0.10	%	160.3

EXECUTIVE SUMMARY - Detections

Client: Leidos, Inc.

Job Number: 580-51064-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-51064-19	373-A-04-B-1					
Arsenic		29		0.56	mg/Kg	6020
Percent Solids		78		0.10	%	160.3
Percent Moisture		22		0.10	%	160.3
580-51064-20	375-A-05-B-1					
Arsenic		37		0.55	mg/Kg	6020
Percent Solids		84		0.10	%	160.3
Percent Moisture		16		0.10	%	160.3
580-51064-21	375-A-08-B-1					
Arsenic		34		0.54	mg/Kg	6020
Percent Solids		84		0.10	%	160.3
Percent Moisture		16		0.10	%	160.3
580-51064-22	382-A-01-B-1					
Arsenic		19		0.56	mg/Kg	6020
Percent Solids		83		0.10	%	160.3
Percent Moisture		17		0.10	%	160.3
580-51064-23	394-A-05-B					
Arsenic		31		0.55	mg/Kg	6020
Percent Solids		87		0.10	%	160.3
Percent Moisture		13		0.10	%	160.3
580-51064-24	394-A-07-B					
Arsenic		110		0.62	mg/Kg	6020
Percent Solids		76		0.10	%	160.3
Percent Moisture		24		0.10	%	160.3
580-51064-25	386-A-06-B-1					
Arsenic		28		0.54	mg/Kg	6020
Percent Solids		84		0.10	%	160.3
Percent Moisture		16		0.10	%	160.3
580-51064-26	386-A-04-C-1					
Arsenic		140		0.56	mg/Kg	6020
Percent Solids		86		0.10	%	160.3
Percent Moisture		14		0.10	%	160.3

EXECUTIVE SUMMARY - Detections

Client: Leidos, Inc.

Job Number: 580-51064-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-51064-27	393-A-01-B-1					
Arsenic		100		0.57	mg/Kg	6020
Percent Solids		81		0.10	%	160.3
Percent Moisture		19		0.10	%	160.3
580-51064-29	393-B-05-B-1					
Arsenic		47		0.61	mg/Kg	6020
Percent Solids		78		0.10	%	160.3
Percent Moisture		22		0.10	%	160.3
580-51064-30	391-A-04-B-1					
Arsenic		33		0.56	mg/Kg	6020
Percent Solids		82		0.10	%	160.3
Percent Moisture		18		0.10	%	160.3
580-51064-31	390-A-04-B-1					
Arsenic		31		0.54	mg/Kg	6020
Percent Solids		85		0.10	%	160.3
Percent Moisture		15		0.10	%	160.3
580-51064-32	392-A-01-B-1					
Arsenic		28		0.60	mg/Kg	6020
Percent Solids		79		0.10	%	160.3
Percent Moisture		21		0.10	%	160.3
580-51064-33	389-A-02-B-1					
Arsenic		73		0.53	mg/Kg	6020
Percent Solids		85		0.10	%	160.3
Percent Moisture		15		0.10	%	160.3
580-51064-34	388-A-02-B-1					
Arsenic		120		0.46	mg/Kg	6020
Percent Solids		94		0.10	%	160.3
Percent Moisture		6.2		0.10	%	160.3
580-51064-35	388-A-06-D-1					
Arsenic		200		0.58	mg/Kg	6020
Percent Solids		82		0.10	%	160.3
Percent Moisture		18		0.10	%	160.3

EXECUTIVE SUMMARY - Detections

Client: Leidos, Inc.

Job Number: 580-51064-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-51064-36	400-B-04-B-1					
Arsenic		37		0.55	mg/Kg	6020
Percent Solids		85		0.10	%	160.3
Percent Moisture		15		0.10	%	160.3
580-51064-37	400-A-03-B-1					
Arsenic		22		0.53	mg/Kg	6020
Percent Solids		88		0.10	%	160.3
Percent Moisture		12		0.10	%	160.3
580-51064-38	396-A-06-B-1					
Arsenic		37		0.54	mg/Kg	6020
Percent Solids		88		0.10	%	160.3
Percent Moisture		12		0.10	%	160.3
580-51064-39	386-A-02-A-1					
Arsenic		56		0.56	mg/Kg	6020
Percent Solids		84		0.10	%	160.3
Percent Moisture		16		0.10	%	160.3
580-51064-40	387-A-04-B-1					
Arsenic		62		0.54	mg/Kg	6020
Percent Solids		87		0.10	%	160.3
Percent Moisture		13		0.10	%	160.3
580-51064-41	TCLP-373-A					
Percent Solids		88		0.10	%	160.3
Percent Moisture		12		0.10	%	160.3
TCLP						
Barium		0.54	B	0.010	mg/L	6010B
Cadmium		0.00050	J	0.020	mg/L	6010B
Lead		0.014	J	0.030	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Leidos, Inc.

Job Number: 580-51064-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-51064-42	TCLP-374-A					
Percent Solids		83		0.10	%	160.3
Percent Moisture		17		0.10	%	160.3
<i>TCLP</i>						
Barium		0.37	B	0.010	mg/L	6010B
Chromium		0.0033	J	0.025	mg/L	6010B
Lead		0.0081	J	0.030	mg/L	6010B
580-51064-43	TCLP-375-A					
Percent Solids		88		0.10	%	160.3
Percent Moisture		12		0.10	%	160.3
<i>TCLP</i>						
Barium		0.64	B	0.010	mg/L	6010B
Cadmium		0.0020	J	0.020	mg/L	6010B
Chromium		0.0038	J	0.025	mg/L	6010B
Lead		0.024	J	0.030	mg/L	6010B
580-51064-44	TCLP-376-A					
Percent Solids		78		0.10	%	160.3
Percent Moisture		22		0.10	%	160.3
<i>TCLP</i>						
Barium		0.90	B	0.010	mg/L	6010B
Cadmium		0.0017	J	0.020	mg/L	6010B
Lead		0.046		0.030	mg/L	6010B
580-51064-45	TCLP-377-A					
Percent Solids		87		0.10	%	160.3
Percent Moisture		13		0.10	%	160.3
<i>TCLP</i>						
Barium		0.49	B	0.010	mg/L	6010B
580-51064-46	TCLP-377-B					
Percent Solids		88		0.10	%	160.3
Percent Moisture		12		0.10	%	160.3
<i>TCLP</i>						
Barium		0.39	B	0.010	mg/L	6010B
Cadmium		0.0020	J	0.020	mg/L	6010B
Lead		0.0065	J	0.030	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Leidos, Inc.

Job Number: 580-51064-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-51064-47	TCLP-381-A					
Percent Solids		83		0.10	%	160.3
Percent Moisture		17		0.10	%	160.3
<i>TCLP</i>						
Barium		0.81	B	0.010	mg/L	6010B
Cadmium		0.0021	J	0.020	mg/L	6010B
Lead		0.029	J	0.030	mg/L	6010B
580-51064-48	TCLP-382-A					
Percent Solids		79		0.10	%	160.3
Percent Moisture		21		0.10	%	160.3
<i>TCLP</i>						
Barium		0.66	B	0.010	mg/L	6010B
Cadmium		0.0011	J	0.020	mg/L	6010B
Chromium		0.0033	J	0.025	mg/L	6010B
Lead		0.022	J	0.030	mg/L	6010B
580-51064-49	TCLP-383-A					
Percent Solids		84		0.10	%	160.3
Percent Moisture		16		0.10	%	160.3
<i>TCLP</i>						
Arsenic		0.040	J	0.060	mg/L	6010B
Barium		1.2	B	0.010	mg/L	6010B
Cadmium		0.0039	J	0.020	mg/L	6010B
Lead		35		0.030	mg/L	6010B
580-51064-50	TCLP-386-A					
Percent Solids		89		0.10	%	160.3
Percent Moisture		11		0.10	%	160.3
<i>TCLP</i>						
Barium		0.50	B	0.010	mg/L	6010B
Cadmium		0.0024	J	0.020	mg/L	6010B
Lead		0.020	J	0.030	mg/L	6010B
580-51064-51	TCLP-390-A					
Percent Solids		85		0.10	%	160.3
Percent Moisture		15		0.10	%	160.3
<i>TCLP</i>						
Barium		0.53	B	0.010	mg/L	6010B
Lead		0.020	J	0.030	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Leidos, Inc.

Job Number: 580-51064-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-51064-52	TCLP-394-A					
Percent Solids		83		0.10	%	160.3
Percent Moisture		17		0.10	%	160.3
<i>TCLP</i>						
Barium		0.61	B	0.010	mg/L	6010B
Cadmium		0.0018	J	0.020	mg/L	6010B
Lead		0.028	J	0.030	mg/L	6010B
580-51064-53	393-A-01-C-1					
Arsenic		150		0.61	mg/Kg	6020
Percent Solids		78		0.10	%	160.3
Percent Moisture		22		0.10	%	160.3

METHOD SUMMARY

Client: Leidos, Inc.

Job Number: 580-51064-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Metals (ICP)	TAL SEA	SW846 6010B	
TCLP Extraction	TAL SEA		SW846 1311
Preparation, Total Metals	TAL SEA		SW846 3010A
Metals (ICP/MS)	TAL SEA	SW846 6020	
Sieve Test	TAL SEA		Sieve
Preparation, Metals	TAL SEA		SW846 3050B
Mercury (CVAA)	TAL SEA	SW846 7470A	
TCLP Extraction	TAL SEA		SW846 1311
Preparation, Mercury	TAL SEA		SW846 7470A
160.3 Modified	TAL SEA	EPA 160.3	

Lab References:

TAL SEA = TestAmerica Seattle

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Leidos, Inc.

Job Number: 580-51064-1

Method	Analyst	Analyst ID
SW846 6010B	Marler, Harrison J	HJM
SW846 6020	Woo, Fred C	FCW
SW846 7470A	Woo, Fred C	FCW
EPA 160.3	Boardway, Peter A	PAB
EPA 160.3	Nijjar, Manjit K	MKN
EPA 160.3	Tran, Carolyne T	CTT

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: TCLP-393-A

Lab Sample ID: 580-51064-1
Client Matrix: Solid

Date Sampled: 06/03/2015 1429
Date Received: 06/19/2015 1145

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-193747 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-193639 Lab File ID: 193675 639.asc
Dilution: 1.0 Leach Batch: 580-193544 Initial Weight/Volume: 50 mL
Analysis Date: 07/01/2015 1054 Final Weight/Volume: 50 mL
Prep Date: 06/30/2015 1433
Leach Date: 06/29/2015 1804

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0078	J	0.0047	0.060
Barium		0.71	B	0.00080	0.010
Cadmium		0.0026	J	0.00050	0.020
Chromium		ND		0.0033	0.025
Lead		0.13		0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-193695 Instrument ID: TAC103
Prep Method: 7470A Prep Batch: 580-193644 Lab File ID: 193644-TAC103-FCW
Dilution: 1.0 Leach Batch: 580-193544 Initial Weight/Volume: 5 mL
Analysis Date: 06/30/2015 1800 Final Weight/Volume: 50 mL
Prep Date: 06/30/2015 1448
Leach Date: 06/29/2015 1804

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: TCLP-393-B-1

Lab Sample ID: 580-51064-2
Client Matrix: Solid

Date Sampled: 06/04/2015 1253
Date Received: 06/19/2015 1145

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-193747 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-193639 Lab File ID: 193675 639.asc
Dilution: 1.0 Leach Batch: 580-193544 Initial Weight/Volume: 50 mL
Analysis Date: 07/01/2015 1119 Final Weight/Volume: 50 mL
Prep Date: 06/30/2015 1433
Leach Date: 06/29/2015 1804

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0064	J	0.0047	0.060
Barium		0.44	B	0.00080	0.010
Cadmium		0.0015	J	0.00050	0.020
Chromium		0.0043	J	0.0033	0.025
Lead		0.015	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-193695 Instrument ID: TAC103
Prep Method: 7470A Prep Batch: 580-193644 Lab File ID: 193644-TAC103-FCW
Dilution: 1.0 Leach Batch: 580-193544 Initial Weight/Volume: 5 mL
Analysis Date: 06/30/2015 1809 Final Weight/Volume: 50 mL
Prep Date: 06/30/2015 1448
Leach Date: 06/29/2015 1804

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: TCLP-391-A-1

Lab Sample ID: 580-51064-3
Client Matrix: Solid

Date Sampled: 06/04/2015 1617
Date Received: 06/19/2015 1145

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-193747 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-193639 Lab File ID: 193675 639.asc
Dilution: 1.0 Leach Batch: 580-193544 Initial Weight/Volume: 50 mL
Analysis Date: 07/01/2015 1122 Final Weight/Volume: 50 mL
Prep Date: 06/30/2015 1433
Leach Date: 06/29/2015 1804

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.67	B	0.00080	0.010
Cadmium		0.0015	J	0.00050	0.020
Chromium		ND		0.0033	0.025
Lead		0.0089	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-193695 Instrument ID: TAC103
Prep Method: 7470A Prep Batch: 580-193644 Lab File ID: 193644-TAC103-FCW
Dilution: 1.0 Leach Batch: 580-193544 Initial Weight/Volume: 5 mL
Analysis Date: 06/30/2015 1812 Final Weight/Volume: 50 mL
Prep Date: 06/30/2015 1448
Leach Date: 06/29/2015 1804

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: TCLP-392-A

Lab Sample ID: 580-51064-4
Client Matrix: Solid

Date Sampled: 06/08/2015 1413
Date Received: 06/19/2015 1145

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-194073 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-193902 Lab File ID: 193940 902 946 947.a
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1132 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1421
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.51	B	0.00080	0.010
Cadmium		ND		0.00050	0.020
Chromium		0.0035	J	0.0033	0.025
Lead		0.0066	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-194035 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-193904 Lab File ID: 193891-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 5 mL
Analysis Date: 07/02/2015 1712 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1429
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: TCLP-389-A

Lab Sample ID: 580-51064-5
Client Matrix: Solid

Date Sampled: 06/09/2015 1330
Date Received: 06/19/2015 1145

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-194073 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-193902 Lab File ID: 193940 902 946 947.a
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1135 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1421
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.59	B	0.00080	0.010
Cadmium		0.00090	J	0.00050	0.020
Chromium		0.0038	J	0.0033	0.025
Lead		0.010	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-194035 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-193904 Lab File ID: 193891-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 5 mL
Analysis Date: 07/02/2015 1714 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1429
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: TCLP-388-A

Lab Sample ID: 580-51064-6
Client Matrix: Solid

Date Sampled: 06/09/2015 1704
Date Received: 06/19/2015 1145

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-194073 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-193902 Lab File ID: 193940 902 946 947.a
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1110 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1421
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.59	B	0.00080	0.010
Cadmium		ND		0.00050	0.020
Chromium		ND		0.0033	0.025
Lead		0.0051	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-194035 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-193904 Lab File ID: 193891-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 5 mL
Analysis Date: 07/02/2015 1702 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1429
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: TCLP-400-DU-A-B

Lab Sample ID: 580-51064-7

Date Sampled: 06/10/2015 1520

Client Matrix: Solid

Date Received: 06/19/2015 1145

6010B Metals (ICP)-TCLP

Analysis Method: 6010B	Analysis Batch: 580-194073	Instrument ID: TAC047
Prep Method: 3010A	Prep Batch: 580-193902	Lab File ID: 193940 902 946 947.a
Dilution: 1.0	Leach Batch: 580-193796	Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1139		Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1421		
Leach Date: 07/01/2015 1719		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.58	B	0.00080	0.010
Cadmium		0.00070	J	0.00050	0.020
Chromium		0.0034	J	0.0033	0.025
Lead		0.014	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A	Analysis Batch: 580-194035	Instrument ID: TAC104
Prep Method: 7470A	Prep Batch: 580-193904	Lab File ID: 193891-TAC104-FCW
Dilution: 1.0	Leach Batch: 580-193796	Initial Weight/Volume: 5 mL
Analysis Date: 07/02/2015 1721		Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1429		
Leach Date: 07/01/2015 1719		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: TCLP-396-A

Lab Sample ID: 580-51064-8
Client Matrix: Solid

Date Sampled: 06/11/2015 1420
Date Received: 06/19/2015 1145

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-194073 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-193902 Lab File ID: 193940 902 946 947.a
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1142 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1421
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.36	B	0.00080	0.010
Cadmium		ND		0.00050	0.020
Chromium		ND		0.0033	0.025
Lead		0.0052	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-194035 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-193904 Lab File ID: 193891-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 5 mL
Analysis Date: 07/02/2015 1724 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1429
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: TCLP-387-A

Lab Sample ID: 580-51064-9
Client Matrix: Solid

Date Sampled: 05/18/2015 1530
Date Received: 06/19/2015 1145

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-194073 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-193902 Lab File ID: 193940 902 946 947.a
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1145 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1421
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.32	B	0.00080	0.010
Cadmium		0.00050	J	0.00050	0.020
Chromium		ND		0.0033	0.025
Lead		0.0040	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-194035 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-193904 Lab File ID: 193891-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 5 mL
Analysis Date: 07/02/2015 1726 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1429
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND	H	0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 376-A-04-B-1

Lab Sample ID: 580-51064-10

Date Sampled: 05/04/2015 0931

Client Matrix: Solid

% Moisture: 20.6

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193444

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-193210

Lab File ID: 033SMPL.D

Dilution: 10

Sieved Batch: 580-193185

Initial Weight/Volume: 1.0380 g

Analysis Date: 06/26/2015 1418

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1232

Sieved Date: 06/25/2015 1047

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		41		0.22	0.61

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 370-B-05-B-1

Lab Sample ID: 580-51064-11

Date Sampled: 05/04/2015 1331

Client Matrix: Solid

% Moisture: 22.5

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193444

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-193210

Lab File ID: 040SMPL.D

Dilution: 10

Sieved Batch: 580-193185

Initial Weight/Volume: 1.0601 g

Analysis Date: 06/26/2015 1510

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1232

Sieved Date: 06/25/2015 1047

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		27		0.22	0.61

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 372-A-04-B-1

Lab Sample ID: 580-51064-12

Date Sampled: 05/06/2015 1646

Client Matrix: Solid

% Moisture: 27.9

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193444

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-193210

Lab File ID: 041SMPL.D

Dilution: 10

Sieved Batch: 580-193185

Initial Weight/Volume: 1.0989 g

Analysis Date: 06/26/2015 1517

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1232

Sieved Date: 06/25/2015 1047

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		49		0.23	0.63

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 377-B-02-B-1

Lab Sample ID: 580-51064-14

Date Sampled: 05/11/2015 0938

Client Matrix: Solid

% Moisture: 22.1

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193444

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-193210

Lab File ID: 042SMPL.D

Dilution: 10

Sieved Batch: 580-193185

Initial Weight/Volume: 1.0884 g

Analysis Date: 06/26/2015 1525

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1232

Sieved Date: 06/25/2015 1047

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		46		0.21	0.59

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 377-A-05-B-1

Lab Sample ID: 580-51064-15

Date Sampled: 05/12/2015 0918

Client Matrix: Solid

% Moisture: 18.2

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193444

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-193210

Lab File ID: 043SMPL.D

Dilution: 10

Sieved Batch: 580-193191

Initial Weight/Volume: 1.1386 g

Analysis Date: 06/26/2015 1532

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1232

Sieved Date: 06/25/2015 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		32		0.19	0.54

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 383-A-04-B-1

Lab Sample ID: 580-51064-16

Date Sampled: 05/12/2015 1324

Client Matrix: Solid

% Moisture: 17.6

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193444

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-193210

Lab File ID: 044SMPL.D

Dilution: 10

Sieved Batch: 580-193191

Initial Weight/Volume: 1.0754 g

Analysis Date: 06/26/2015 1539

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1232

Sieved Date: 06/25/2015 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		27		0.20	0.56

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 381-A-01-B-1

Lab Sample ID: 580-51064-17

Date Sampled: 05/13/2015 1045

Client Matrix: Solid

% Moisture: 27.5

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193444

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-193210

Lab File ID: 045SMPL.D

Dilution: 10

Sieved Batch: 580-193191

Initial Weight/Volume: 1.1426 g

Analysis Date: 06/26/2015 1547

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1232

Sieved Date: 06/25/2015 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		41		0.22	0.60

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 374-A-05-B1

Lab Sample ID: 580-51064-18

Date Sampled: 05/14/2015 1030

Client Matrix: Solid

% Moisture: 18.7

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193444

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-193210

Lab File ID: 046SMPL.D

Dilution: 10

Sieved Batch: 580-193191

Initial Weight/Volume: 1.1474 g

Analysis Date: 06/26/2015 1554

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1232

Sieved Date: 06/25/2015 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		31		0.19	0.54

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 373-A-04-B-1

Lab Sample ID: 580-51064-19

Date Sampled: 05/14/2015 1451

Client Matrix: Solid

% Moisture: 21.7

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193444

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-193210

Lab File ID: 047SMPL.D

Dilution: 10

Sieved Batch: 580-193191

Initial Weight/Volume: 1.1398 g

Analysis Date: 06/26/2015 1601

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1232

Sieved Date: 06/25/2015 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		29		0.20	0.56

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 375-A-05-B-1

Lab Sample ID: 580-51064-20

Date Sampled: 05/20/2015 0937

Client Matrix: Solid

% Moisture: 15.7

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193444

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-193210

Lab File ID: 048SMPL.D

Dilution: 10

Sieved Batch: 580-193191

Initial Weight/Volume: 1.0760 g

Analysis Date: 06/26/2015 1609

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1232

Sieved Date: 06/25/2015 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		37		0.20	0.55

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 375-A-08-B-1

Lab Sample ID: 580-51064-21

Date Sampled: 05/20/2015 1006

Client Matrix: Solid

% Moisture: 15.7

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193444

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-193210

Lab File ID: 049SMPL.D

Dilution: 10

Sieved Batch: 580-193191

Initial Weight/Volume: 1.0883 g

Analysis Date: 06/26/2015 1616

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1232

Sieved Date: 06/25/2015 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		34		0.20	0.54

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 382-A-01-B-1

Lab Sample ID: 580-51064-22

Date Sampled: 05/20/2015 1349

Client Matrix: Solid

% Moisture: 16.6

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193444

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-193210

Lab File ID: 052SMPL.D

Dilution: 10

Sieved Batch: 580-193191

Initial Weight/Volume: 1.0685 g

Analysis Date: 06/26/2015 1638

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1232

Sieved Date: 06/25/2015 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		19		0.20	0.56

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 394-A-05-B

Lab Sample ID: 580-51064-23

Date Sampled: 05/26/2015 1103

Client Matrix: Solid

% Moisture: 12.7

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193444

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-193210

Lab File ID: 053SMPL.D

Dilution: 10

Sieved Batch: 580-193191

Initial Weight/Volume: 1.0409 g

Analysis Date: 06/26/2015 1646

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1232

Sieved Date: 06/25/2015 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		31		0.20	0.55

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 394-A-07-B

Lab Sample ID: 580-51064-24

Date Sampled: 05/26/2015 1134

Client Matrix: Solid

% Moisture: 24.3

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193444

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-193210

Lab File ID: 054SMPL.D

Dilution: 10

Sieved Batch: 580-193191

Initial Weight/Volume: 1.0567 g

Analysis Date: 06/26/2015 1653

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1232

Sieved Date: 06/25/2015 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		110		0.22	0.62

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 386-A-06-B-1

Lab Sample ID: 580-51064-25

Date Sampled: 06/01/2015 0940

Client Matrix: Solid

% Moisture: 16.4

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193444

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-193210

Lab File ID: 055SMPL.D

Dilution: 10

Sieved Batch: 580-193185

Initial Weight/Volume: 1.1043 g

Analysis Date: 06/26/2015 1700

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1232

Sieved Date: 06/25/2015 1040

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		28		0.19	0.54

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 386-A-04-C-1

Lab Sample ID: 580-51064-26

Date Sampled: 06/01/2015 0919

Client Matrix: Solid

% Moisture: 13.8

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193638

Instrument ID: SEA103

Prep Method: 3050B

Prep Batch: 580-193216

Lab File ID: 097SAMP.D

Dilution: 10

Sieved Batch: 580-193185

Initial Weight/Volume: 1.0298 g

Analysis Date: 06/29/2015 2200

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1318

Sieved Date: 06/25/2015 1040

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		140		0.20	0.56

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 393-A-01-B-1

Lab Sample ID: 580-51064-27

Date Sampled: 06/03/2015 0950

Client Matrix: Solid

% Moisture: 19.1

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193638

Instrument ID: SEA103

Prep Method: 3050B

Prep Batch: 580-193216

Lab File ID: 104SAMP.D

Dilution: 10

Sieved Batch: 580-193185

Initial Weight/Volume: 1.0864 g

Analysis Date: 06/29/2015 2229

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1318

Sieved Date: 06/25/2015 1040

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		100		0.20	0.57

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 393-B-05-B-1

Lab Sample ID: 580-51064-29

Date Sampled: 06/04/2015 1040

Client Matrix: Solid

% Moisture: 22.0

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193638

Instrument ID: SEA103

Prep Method: 3050B

Prep Batch: 580-193216

Lab File ID: 105SAMP.D

Dilution: 10

Sieved Batch: 580-193185

Initial Weight/Volume: 1.0452 g

Analysis Date: 06/29/2015 2233

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1318

Sieved Date: 06/25/2015 1040

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		47		0.22	0.61

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 391-A-04-B-1

Lab Sample ID: 580-51064-30

Date Sampled: 06/04/2015 1447

Client Matrix: Solid

% Moisture: 18.4

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193638

Instrument ID: SEA103

Prep Method: 3050B

Prep Batch: 580-193216

Lab File ID: 106SAMP.D

Dilution: 10

Sieved Batch: 580-193185

Initial Weight/Volume: 1.1022 g

Analysis Date: 06/29/2015 2237

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1318

Sieved Date: 06/25/2015 1040

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		33		0.20	0.56

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 390-A-04-B-1

Lab Sample ID: 580-51064-31

Date Sampled: 06/01/2015 1516

Client Matrix: Solid

% Moisture: 15.1

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193638

Instrument ID: SEA103

Prep Method: 3050B

Prep Batch: 580-193216

Lab File ID: 107SAMP.D

Dilution: 10

Sieved Batch: 580-193185

Initial Weight/Volume: 1.0995 g

Analysis Date: 06/29/2015 2241

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1318

Sieved Date: 06/25/2015 1040

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		31		0.19	0.54

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 392-A-01-B-1

Lab Sample ID: 580-51064-32

Date Sampled: 06/08/2015 0943

Client Matrix: Solid

% Moisture: 20.9

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193638

Instrument ID: SEA103

Prep Method: 3050B

Prep Batch: 580-193216

Lab File ID: 108SAMP.D

Dilution: 10

Sieved Batch: 580-193185

Initial Weight/Volume: 1.0589 g

Analysis Date: 06/29/2015 2245

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1318

Sieved Date: 06/25/2015 1040

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		28		0.21	0.60

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 389-A-02-B-1

Lab Sample ID: 580-51064-33

Date Sampled: 06/09/2015 1010

Client Matrix: Solid

% Moisture: 14.9

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193638

Instrument ID: SEA103

Prep Method: 3050B

Prep Batch: 580-193216

Lab File ID: 109SAMP.D

Dilution: 10

Sieved Batch: 580-193185

Initial Weight/Volume: 1.1048 g

Analysis Date: 06/29/2015 2249

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1318

Sieved Date: 06/25/2015 1040

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		73		0.19	0.53

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 388-A-02-B-1

Lab Sample ID: 580-51064-34

Date Sampled: 06/09/2015 1424

Client Matrix: Solid

% Moisture: 6.2

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193638

Instrument ID: SEA103

Prep Method: 3050B

Prep Batch: 580-193216

Lab File ID: 110SAMP.D

Dilution: 10

Sieved Batch: 580-193185

Initial Weight/Volume: 1.1628 g

Analysis Date: 06/29/2015 2253

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1318

Sieved Date: 06/25/2015 1040

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		120		0.16	0.46

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 388-A-06-D-1

Lab Sample ID: 580-51064-35

Date Sampled: 06/09/2015 1525

Client Matrix: Solid

% Moisture: 18.2

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193638

Instrument ID: SEA103

Prep Method: 3050B

Prep Batch: 580-193216

Lab File ID: 111SAMP.D

Dilution: 10

Sieved Batch: 580-193185

Initial Weight/Volume: 1.0491 g

Analysis Date: 06/29/2015 2257

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1318

Sieved Date: 06/25/2015 1040

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		200		0.21	0.58

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 400-B-04-B-1

Lab Sample ID: 580-51064-36

Date Sampled: 06/10/2015 1015

Client Matrix: Solid

% Moisture: 15.1

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193638

Instrument ID: SEA103

Prep Method: 3050B

Prep Batch: 580-193216

Lab File ID: 112SAMP.D

Dilution: 10

Sieved Batch: 580-193185

Initial Weight/Volume: 1.0623 g

Analysis Date: 06/29/2015 2301

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1318

Sieved Date: 06/25/2015 1040

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		37		0.20	0.55

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 400-A-03-B-1

Lab Sample ID: 580-51064-37

Date Sampled: 06/10/2015 1152

Client Matrix: Solid

% Moisture: 12.3

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193638

Instrument ID: SEA103

Prep Method: 3050B

Prep Batch: 580-193216

Lab File ID: 116SAMP.D

Dilution: 10

Sieved Batch: 580-193185

Initial Weight/Volume: 1.0764 g

Analysis Date: 06/29/2015 2318

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1318

Sieved Date: 06/25/2015 1040

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		22		0.19	0.53

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 396-A-06-B-1

Lab Sample ID: 580-51064-38

Date Sampled: 06/11/2015 1149

Client Matrix: Solid

% Moisture: 11.9

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193638

Instrument ID: SEA103

Prep Method: 3050B

Prep Batch: 580-193216

Lab File ID: 117SAMP.D

Dilution: 10

Sieved Batch: 580-193185

Initial Weight/Volume: 1.0421 g

Analysis Date: 06/29/2015 2322

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1318

Sieved Date: 06/25/2015 1040

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		37		0.20	0.54

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 386-A-02-A-1

Lab Sample ID: 580-51064-39

Date Sampled: 06/01/2015 0900

Client Matrix: Solid

% Moisture: 15.8

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193638

Instrument ID: SEA103

Prep Method: 3050B

Prep Batch: 580-193216

Lab File ID: 118SAMP.D

Dilution: 10

Sieved Batch: 580-193185

Initial Weight/Volume: 1.0556 g

Analysis Date: 06/29/2015 2326

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1318

Sieved Date: 06/25/2015 1040

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		56		0.20	0.56

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 387-A-04-B-1

Lab Sample ID: 580-51064-40

Date Sampled: 06/18/2015 1256

Client Matrix: Solid

% Moisture: 13.2

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193638

Instrument ID: SEA103

Prep Method: 3050B

Prep Batch: 580-193216

Lab File ID: 119SAMP.D

Dilution: 10

Sieved Batch: 580-193185

Initial Weight/Volume: 1.0688 g

Analysis Date: 06/29/2015 2330

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1318

Sieved Date: 06/25/2015 1040

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		62		0.19	0.54

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: TCLP-373-A

Lab Sample ID: 580-51064-41
Client Matrix: Solid

Date Sampled: 05/14/2015 1710
Date Received: 06/19/2015 1145

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-194073 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-193902 Lab File ID: 193940 902 946 947.a
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1149 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1421
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.54	B	0.00080	0.010
Cadmium		0.00050	J	0.00050	0.020
Chromium		ND		0.0033	0.025
Lead		0.014	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-194035 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-193904 Lab File ID: 193891-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 5 mL
Analysis Date: 07/02/2015 1728 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1429
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND	H	0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: TCLP-374-A

Lab Sample ID: 580-51064-42
Client Matrix: Solid

Date Sampled: 05/14/2015 1242
Date Received: 06/19/2015 1145

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-194073 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-193902 Lab File ID: 193940 902 946 947.a
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1152 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1421
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.37	B	0.00080	0.010
Cadmium		ND		0.00050	0.020
Chromium		0.0033	J	0.0033	0.025
Lead		0.0081	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-194035 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-193904 Lab File ID: 193891-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 5 mL
Analysis Date: 07/02/2015 1731 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1429
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND	H	0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: TCLP-375-A

Lab Sample ID: 580-51064-43
Client Matrix: Solid

Date Sampled: 05/20/2015 1215
Date Received: 06/19/2015 1145

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-194073 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-193902 Lab File ID: 193940 902 946 947.a
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1201 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1421
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.64	B	0.00080	0.010
Cadmium		0.0020	J	0.00050	0.020
Chromium		0.0038	J	0.0033	0.025
Lead		0.024	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-194035 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-193904 Lab File ID: 193891-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 5 mL
Analysis Date: 07/02/2015 1733 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1429
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND	H	0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: TCLP-376-A

Lab Sample ID: 580-51064-44
Client Matrix: Solid

Date Sampled: 05/04/2015 1512
Date Received: 06/19/2015 1145

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-194073 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-193902 Lab File ID: 193940 902 946 947.a
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1205 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1421
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.90	B	0.00080	0.010
Cadmium		0.0017	J	0.00050	0.020
Chromium		ND		0.0033	0.025
Lead		0.046		0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-194035 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-193904 Lab File ID: 193891-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 5 mL
Analysis Date: 07/02/2015 1735 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1429
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND	H	0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: TCLP-377-A

Lab Sample ID: 580-51064-45

Date Sampled: 05/12/2015 1039

Client Matrix: Solid

Date Received: 06/19/2015 1145

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	580-194073	Instrument ID:	TAC047
Prep Method:	3010A	Prep Batch:	580-193902	Lab File ID:	193940 902 946 947.a
Dilution:	1.0	Leach Batch:	580-193796	Initial Weight/Volume:	50 mL
Analysis Date:	07/06/2015 1208			Final Weight/Volume:	50 mL
Prep Date:	07/02/2015 1421				
Leach Date:	07/01/2015 1719				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.49	B	0.00080	0.010
Cadmium		ND		0.00050	0.020
Chromium		ND		0.0033	0.025
Lead		ND		0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	580-194035	Instrument ID:	TAC104
Prep Method:	7470A	Prep Batch:	580-193904	Lab File ID:	193891-TAC104-FCW
Dilution:	1.0	Leach Batch:	580-193796	Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2015 1738			Final Weight/Volume:	50 mL
Prep Date:	07/02/2015 1429				
Leach Date:	07/01/2015 1719				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND	H	0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: TCLP-377-B

Lab Sample ID: 580-51064-46
Client Matrix: Solid

Date Sampled: 05/11/2015 1214
Date Received: 06/19/2015 1145

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-194073 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-193902 Lab File ID: 193940 902 946 947.a
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1211 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1421
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.39	B	0.00080	0.010
Cadmium		0.0020	J	0.00050	0.020
Chromium		ND		0.0033	0.025
Lead		0.0065	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-194035 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-193904 Lab File ID: 193891-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 5 mL
Analysis Date: 07/02/2015 1740 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1429
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND	H	0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: TCLP-381-A

Lab Sample ID: 580-51064-47
Client Matrix: Solid

Date Sampled: 05/15/2015 1200
Date Received: 06/19/2015 1145

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-194073 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-193902 Lab File ID: 193940 902 946 947.a
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1215 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1422
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.81	B	0.00080	0.010
Cadmium		0.0021	J	0.00050	0.020
Chromium		ND		0.0033	0.025
Lead		0.029	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-194035 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-193904 Lab File ID: 193891-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 5 mL
Analysis Date: 07/02/2015 1743 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1429
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND	H	0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: TCLP-382-A

Lab Sample ID: 580-51064-48
Client Matrix: Solid

Date Sampled: 05/20/2015 1601
Date Received: 06/19/2015 1145

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-194073 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-193902 Lab File ID: 193940 902 946 947.a
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1218 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1422
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.66	B	0.00080	0.010
Cadmium		0.0011	J	0.00050	0.020
Chromium		0.0033	J	0.0033	0.025
Lead		0.022	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-194035 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-193904 Lab File ID: 193891-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 5 mL
Analysis Date: 07/02/2015 1750 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1429
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND	H	0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: TCLP-383-A

Lab Sample ID: 580-51064-49
Client Matrix: Solid

Date Sampled: 05/12/2015 1630
Date Received: 06/19/2015 1145

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-194073 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-193902 Lab File ID: 193940 902 946 947.a
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1221 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1422
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.040	J	0.0047	0.060
Barium		1.2	B	0.00080	0.010
Cadmium		0.0039	J	0.00050	0.020
Chromium		ND		0.0033	0.025
Lead		35		0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-194035 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-193904 Lab File ID: 193891-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 5 mL
Analysis Date: 07/02/2015 1752 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1429
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND	H	0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: TCLP-386-A

Lab Sample ID: 580-51064-50
Client Matrix: Solid

Date Sampled: 06/01/2015 1252
Date Received: 06/19/2015 1145

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-193747 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-193639 Lab File ID: 193675 639.asc
Dilution: 1.0 Leach Batch: 580-193544 Initial Weight/Volume: 50 mL
Analysis Date: 07/01/2015 1126 Final Weight/Volume: 50 mL
Prep Date: 06/30/2015 1433
Leach Date: 06/29/2015 1804

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.50	B	0.00080	0.010
Cadmium		0.0024	J	0.00050	0.020
Chromium		ND		0.0033	0.025
Lead		0.020	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-193695 Instrument ID: TAC103
Prep Method: 7470A Prep Batch: 580-193644 Lab File ID: 193644-TAC103-FCW
Dilution: 1.0 Leach Batch: 580-193544 Initial Weight/Volume: 5 mL
Analysis Date: 06/30/2015 1819 Final Weight/Volume: 50 mL
Prep Date: 06/30/2015 1448
Leach Date: 06/29/2015 1804

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: TCLP-390-A

Lab Sample ID: 580-51064-51
Client Matrix: Solid

Date Sampled: 05/01/2015 1646
Date Received: 06/19/2015 1145

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-194073 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-193902 Lab File ID: 193940 902 946 947.a
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1225 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1422
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.53	B	0.00080	0.010
Cadmium		ND		0.00050	0.020
Chromium		ND		0.0033	0.025
Lead		0.020	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-194035 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-193904 Lab File ID: 193891-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 5 mL
Analysis Date: 07/02/2015 1754 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1429
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND	H	0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: TCLP-394-A

Lab Sample ID: 580-51064-52
Client Matrix: Solid

Date Sampled: 05/26/2015 1425
Date Received: 06/19/2015 1145

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-194073 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-193902 Lab File ID: 193940 902 946 947.a
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1229 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1422
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.61	B	0.00080	0.010
Cadmium		0.0018	J	0.00050	0.020
Chromium		ND		0.0033	0.025
Lead		0.028	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-194035 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-193904 Lab File ID: 193891-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-193796 Initial Weight/Volume: 5 mL
Analysis Date: 07/02/2015 1757 Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1429
Leach Date: 07/01/2015 1719

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND	H	0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

Client Sample ID: 393-A-01-C-1

Lab Sample ID: 580-51064-53

Date Sampled: 06/03/2015 0950

Client Matrix: Solid

% Moisture: 22.4

Date Received: 06/19/2015 1145

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-193638

Instrument ID: SEA103

Prep Method: 3050B

Prep Batch: 580-193216

Lab File ID: 120SAMP.D

Dilution: 10

Sieved Batch: 580-193185

Initial Weight/Volume: 1.0514 g

Analysis Date: 06/29/2015 2334

Final Weight/Volume: 50 mL

Prep Date: 06/25/2015 1318

Sieved Date: 06/25/2015 1040

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		150		0.22	0.61

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: TCLP-393-A

Lab Sample ID: 580-51064-1

Date Sampled: 06/03/2015 1429

Client Matrix: Solid

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193357	Analysis Date: 06/26/2015	1637				DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193357	Analysis Date: 06/26/2015	1637				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: TCLP-393-B-1

Lab Sample ID: 580-51064-2

Client Matrix: Solid

Date Sampled: 06/04/2015 1253

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193357	Analysis Date: 06/26/2015	1637				DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193357	Analysis Date: 06/26/2015	1637				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: TCLP-391-A-1

Lab Sample ID: 580-51064-3

Client Matrix: Solid

Date Sampled: 06/04/2015 1617

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	86		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193357	Analysis Date: 06/26/2015		1637			DryWt Corrected: N
Percent Moisture	14		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193357	Analysis Date: 06/26/2015		1637			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: TCLP-392-A

Lab Sample ID: 580-51064-4

Client Matrix: Solid

Date Sampled: 06/08/2015 1413

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193357	Analysis Date: 06/26/2015		1637			DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193357	Analysis Date: 06/26/2015		1637			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: TCLP-389-A

Lab Sample ID: 580-51064-5

Client Matrix: Solid

Date Sampled: 06/09/2015 1330

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193357	Analysis Date: 06/26/2015		1637			DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193357	Analysis Date: 06/26/2015		1637			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: TCLP-388-A

Lab Sample ID: 580-51064-6

Client Matrix: Solid

Date Sampled: 06/09/2015 1704

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	90		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N
Percent Moisture	9.9		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: TCLP-400-DU-A-B

Lab Sample ID: 580-51064-7

Date Sampled: 06/10/2015 1520

Client Matrix: Solid

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	89		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N
Percent Moisture	11		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: TCLP-396-A

Lab Sample ID: 580-51064-8

Client Matrix: Solid

Date Sampled: 06/11/2015 1420

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: TCLP-387-A

Lab Sample ID: 580-51064-9

Client Matrix: Solid

Date Sampled: 05/18/2015 1530

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	89		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N
Percent Moisture	11		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 376-A-04-B-1

Lab Sample ID: 580-51064-10

Client Matrix: Solid

Date Sampled: 05/04/2015 0931

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 370-B-05-B-1

Lab Sample ID: 580-51064-11

Client Matrix: Solid

Date Sampled: 05/04/2015 1331

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 372-A-04-B-1

Lab Sample ID: 580-51064-12

Client Matrix: Solid

Date Sampled: 05/06/2015 1646

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	72		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N
Percent Moisture	28		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 377-B-02-B-1

Lab Sample ID: 580-51064-14

Client Matrix: Solid

Date Sampled: 05/11/2015 0938

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015	1436				DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015	1436				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 377-A-05-B-1

Lab Sample ID: 580-51064-15

Client Matrix: Solid

Date Sampled: 05/12/2015 0918

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 383-A-04-B-1

Lab Sample ID: 580-51064-16

Client Matrix: Solid

Date Sampled: 05/12/2015 1324

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 381-A-01-B-1

Lab Sample ID: 580-51064-17

Client Matrix: Solid

Date Sampled: 05/13/2015 1045

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	72		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015	1436				DryWt Corrected: N
Percent Moisture	28		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015	1436				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 374-A-05-B1

Lab Sample ID: 580-51064-18

Client Matrix: Solid

Date Sampled: 05/14/2015 1030

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 373-A-04-B-1

Lab Sample ID: 580-51064-19

Client Matrix: Solid

Date Sampled: 05/14/2015 1451

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 375-A-05-B-1

Lab Sample ID: 580-51064-20

Client Matrix: Solid

Date Sampled: 05/20/2015 0937

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 375-A-08-B-1

Lab Sample ID: 580-51064-21

Client Matrix: Solid

Date Sampled: 05/20/2015 1006

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 382-A-01-B-1

Lab Sample ID: 580-51064-22

Client Matrix: Solid

Date Sampled: 05/20/2015 1349

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 394-A-05-B

Lab Sample ID: 580-51064-23

Client Matrix: Solid

Date Sampled: 05/26/2015 1103

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	87		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 394-A-07-B

Lab Sample ID: 580-51064-24

Client Matrix: Solid

Date Sampled: 05/26/2015 1134

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	76		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521		Analysis Date: 06/29/2015 1436				DryWt Corrected: N
Percent Moisture	24		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521		Analysis Date: 06/29/2015 1436				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 386-A-06-B-1

Lab Sample ID: 580-51064-25

Client Matrix: Solid

Date Sampled: 06/01/2015 0940

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193521	Analysis Date: 06/29/2015		1436			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 386-A-04-C-1

Lab Sample ID: 580-51064-26

Client Matrix: Solid

Date Sampled: 06/01/2015 0919

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	86		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N
Percent Moisture	14		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 393-A-01-B-1

Lab Sample ID: 580-51064-27

Client Matrix: Solid

Date Sampled: 06/03/2015 0950

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 393-B-05-B-1

Lab Sample ID: 580-51064-29

Client Matrix: Solid

Date Sampled: 06/04/2015 1040

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 391-A-04-B-1

Lab Sample ID: 580-51064-30

Client Matrix: Solid

Date Sampled: 06/04/2015 1447

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 390-A-04-B-1

Lab Sample ID: 580-51064-31

Client Matrix: Solid

Date Sampled: 06/01/2015 1516

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 392-A-01-B-1

Lab Sample ID: 580-51064-32

Client Matrix: Solid

Date Sampled: 06/08/2015 0943

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762		Analysis Date: 07/01/2015 1312				DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762		Analysis Date: 07/01/2015 1312				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 389-A-02-B-1

Lab Sample ID: 580-51064-33

Client Matrix: Solid

Date Sampled: 06/09/2015 1010

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 388-A-02-B-1

Lab Sample ID: 580-51064-34

Client Matrix: Solid

Date Sampled: 06/09/2015 1424

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	94		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N
Percent Moisture	6.2		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 388-A-06-D-1

Lab Sample ID: 580-51064-35

Client Matrix: Solid

Date Sampled: 06/09/2015 1525

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 400-B-04-B-1

Lab Sample ID: 580-51064-36

Client Matrix: Solid

Date Sampled: 06/10/2015 1015

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 400-A-03-B-1

Lab Sample ID: 580-51064-37

Client Matrix: Solid

Date Sampled: 06/10/2015 1152

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 396-A-06-B-1

Lab Sample ID: 580-51064-38

Client Matrix: Solid

Date Sampled: 06/11/2015 1149

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 386-A-02-A-1

Lab Sample ID: 580-51064-39

Client Matrix: Solid

Date Sampled: 06/01/2015 0900

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 387-A-04-B-1

Lab Sample ID: 580-51064-40

Client Matrix: Solid

Date Sampled: 06/18/2015 1256

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	87		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: TCLP-373-A

Lab Sample ID: 580-51064-41

Client Matrix: Solid

Date Sampled: 05/14/2015 1710

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193762	Analysis Date: 07/01/2015	1312				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: TCLP-374-A

Lab Sample ID: 580-51064-42

Client Matrix: Solid

Date Sampled: 05/14/2015 1242

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015	1344				DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015	1344				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: TCLP-375-A

Lab Sample ID: 580-51064-43

Date Sampled: 05/20/2015 1215

Client Matrix: Solid

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015		1344			DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015		1344			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: TCLP-376-A

Lab Sample ID: 580-51064-44

Client Matrix: Solid

Date Sampled: 05/04/2015 1512

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015	1344				DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015	1344				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: TCLP-377-A

Lab Sample ID: 580-51064-45

Client Matrix: Solid

Date Sampled: 05/12/2015 1039

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	87		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015		1344			DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015		1344			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: TCLP-377-B

Lab Sample ID: 580-51064-46

Date Sampled: 05/11/2015 1214

Client Matrix: Solid

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015		1344			DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015		1344			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: TCLP-381-A

Lab Sample ID: 580-51064-47

Client Matrix: Solid

Date Sampled: 05/15/2015 1200

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015	1344				DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015	1344				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: TCLP-382-A

Lab Sample ID: 580-51064-48

Client Matrix: Solid

Date Sampled: 05/20/2015 1601

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015	1344				DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015	1344				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: TCLP-383-A

Lab Sample ID: 580-51064-49

Date Sampled: 05/12/2015 1630

Client Matrix: Solid

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015	1344				DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015	1344				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: TCLP-386-A

Lab Sample ID: 580-51064-50

Client Matrix: Solid

Date Sampled: 06/01/2015 1252

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	89		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015	1344				DryWt Corrected: N
Percent Moisture	11		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015	1344				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: TCLP-390-A

Lab Sample ID: 580-51064-51

Client Matrix: Solid

Date Sampled: 05/01/2015 1646

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015		1344			DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015		1344			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: TCLP-394-A

Lab Sample ID: 580-51064-52

Date Sampled: 05/26/2015 1425

Client Matrix: Solid

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015		1344			DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015		1344			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51064-1

General Chemistry

Client Sample ID: 393-A-01-C-1

Lab Sample ID: 580-51064-53

Client Matrix: Solid

Date Sampled: 06/03/2015 0950

Date Received: 06/19/2015 1145

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015	1344				DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	160.3
	Analysis Batch: 580-193766	Analysis Date: 07/01/2015	1344				DryWt Corrected: N

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Method Blank - Batch: 580-193639

Lab Sample ID: MB 580-193544/1-B
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/01/2015 1039
 Prep Date: 06/30/2015 1434
 Leach Date: 06/29/2015 1804

Analysis Batch: 580-193747
 Prep Batch: 580-193639
 Leach Batch: 580-193544
 Units: mg/L

**Method: 6010B
 Preparation: 3010A
 TCLP**

Instrument ID: TAC047
 Lab File ID: 193675 639.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.0047	0.060
Barium	0.00860	J	0.00080	0.010
Cadmium	ND		0.00050	0.020
Chromium	ND		0.0033	0.025
Lead	ND		0.0026	0.030
Selenium	ND		0.0054	0.10
Silver	ND		0.0085	0.050

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 580-193639

**Method: 6010B
 Preparation: 3010A
 TCLP**

LCS Lab Sample ID: LCS 580-193544/2-B
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/01/2015 1042
 Prep Date: 06/30/2015 1434
 Leach Date: 06/29/2015 1804

Analysis Batch: 580-193747
 Prep Batch: 580-193639
 Leach Batch: 580-193544
 Units: mg/L

Instrument ID: TAC047
 Lab File ID: 193675 639.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 580-193544/3-B
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/01/2015 1045
 Prep Date: 06/30/2015 1434
 Leach Date: 06/29/2015 1804

Analysis Batch: 580-193747
 Prep Batch: 580-193639
 Leach Batch: 580-193544
 Units: mg/L

Instrument ID: TAC047
 Lab File ID: 193675 639.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	99	95	80 - 120	4	20		
Barium	97	87	80 - 120	11	20		
Cadmium	98	94	80 - 120	4	20		
Chromium	88	85	80 - 120	4	20		
Lead	95	92	80 - 120	4	20		
Selenium	105	101	80 - 120	4	20		
Silver	95	86	80 - 120	9	20		

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-193639**

**Method: 6010B
Preparation: 3010A
TCLP**

LCS Lab Sample ID: LCS 580-193544/2-B Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/01/2015 1042
 Prep Date: 06/30/2015 1434
 Leach Date: 06/29/2015 1804

LCSD Lab Sample ID: LCSD 580-193544/3-B
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/01/2015 1045
 Prep Date: 06/30/2015 1434
 Leach Date: 06/29/2015 1804

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	4.00	4.00	3.95	3.80
Barium	4.00	4.00	3.88	3.50
Cadmium	0.100	0.100	0.0978	0.0941
Chromium	0.400	0.400	0.352	0.338
Lead	1.00	1.00	0.949	0.915
Selenium	4.00	4.00	4.21	4.05
Silver	0.600	0.600	0.568	0.517

Post Digestion Spike - Batch: 580-193639

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID: 580-51064-1
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/01/2015 1107
 Prep Date: 06/30/2015 1433
 Leach Date: 06/29/2015 1804

Analysis Batch: 580-193747
 Prep Batch: 580-193639
 Leach Batch: 580-193544
 Units: mg/L

Instrument ID: TAC047
 Lab File ID: 193675 639.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	0.0078 J	4.00	3.85	96	75 - 125	
Barium	0.71	4.00	4.29	90	75 - 125	
Cadmium	0.0026 J	0.100	0.0974	95	75 - 125	
Chromium	ND	0.400	0.345	86	75 - 125	
Lead	0.13	1.00	1.05	91	75 - 125	
Selenium	ND	4.00	4.03	101	75 - 125	
Silver	ND	0.600	0.537	89	75 - 125	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-193639**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID: 580-51064-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/01/2015 1101
Prep Date: 06/30/2015 1433
Leach Date: 06/29/2015 1804

Analysis Batch: 580-193747
Prep Batch: 580-193639
Leach Batch: 580-193544

Instrument ID: TAC047
Lab File ID: 193675 639.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 580-51064-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/01/2015 1104
Prep Date: 06/30/2015 1433
Leach Date: 06/29/2015 1804

Analysis Batch: 580-193747
Prep Batch: 580-193639
Leach Batch: 580-193544

Instrument ID: TAC047
Lab File ID: 193675 639.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	104	100	75 - 125	4	20		
Barium	99	91	75 - 125	7	20		
Cadmium	102	100	75 - 125	2	20		
Chromium	93	90	75 - 125	3	20		
Lead	99	97	75 - 125	2	20		
Selenium	110	107	75 - 125	3	20		
Silver	96	90	75 - 125	6	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-193639**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID: 580-51064-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/01/2015 1101
Prep Date: 06/30/2015 1433
Leach Date: 06/29/2015 1804

Units: mg/L

MSD Lab Sample ID: 580-51064-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/01/2015 1104
Prep Date: 06/30/2015 1433
Leach Date: 06/29/2015 1804

Analyte	Sample		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
	Result/Qual					
Arsenic	0.0078	J	4.00	4.00	4.17	4.01
Barium	0.71		4.00	4.00	4.65	4.34
Cadmium	0.0026	J	0.100	0.100	0.105	0.103
Chromium	ND		0.400	0.400	0.370	0.359
Lead	0.13		1.00	1.00	1.12	1.10
Selenium	ND		4.00	4.00	4.39	4.26
Silver	ND		0.600	0.600	0.575	0.543

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Serial Dilution - Batch: 580-193639

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID: 580-51064-1	Analysis Batch: 580-193747	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-193639	Lab File ID: 193675 639.asc
Dilution: 5.0	Leach Batch: 580-193544	Initial Weight/Volume: 50 mL
Analysis Date: 07/01/2015 1051	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 06/30/2015 1433		
Leach Date: 06/29/2015 1804		

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	0.0078 J	ND	NC	10	
Barium	0.71	0.734	3.5	10	
Cadmium	0.0026 J	ND	NC	10	
Chromium	ND	ND	NC	10	
Lead	0.13	0.135	1.1	10	J
Selenium	ND	ND	NC	10	
Silver	ND	ND	NC	10	

Duplicate - Batch: 580-193639

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID: 580-51064-1	Analysis Batch: 580-193747	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-193639	Lab File ID: 193675 639.asc
Dilution: 1.0	Leach Batch: 580-193544	Initial Weight/Volume: 50 mL
Analysis Date: 07/01/2015 1058	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 06/30/2015 1433		
Leach Date: 06/29/2015 1804		

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	0.0078 J	0.00550	35	20	J F5
Barium	0.71	0.697	2	20	
Cadmium	0.0026 J	0.00250	4	20	J
Chromium	ND	ND	NC	20	
Lead	0.13	0.126	5	20	
Selenium	ND	ND	NC	20	
Silver	ND	ND	NC	20	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Method Blank - Batch: 580-193902

Lab Sample ID: MB 580-193796/1-B
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/06/2015 1054
 Prep Date: 07/02/2015 1422
 Leach Date: 07/01/2015 1719

Analysis Batch: 580-194073
 Prep Batch: 580-193902
 Leach Batch: 580-193796
 Units: mg/L

**Method: 6010B
 Preparation: 3010A
 TCLP**

Instrument ID: TAC047
 Lab File ID: 193940 902 946 947.as
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.0047	0.060
Barium	0.00370	J	0.00080	0.010
Cadmium	ND		0.00050	0.020
Chromium	ND		0.0033	0.025
Lead	ND		0.0026	0.030
Selenium	ND		0.0054	0.10
Silver	ND		0.0085	0.050

LCS-Certified Reference Material - Batch: 580-193902

Lab Sample ID: LCSSRM 580-193902/24-
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 07/06/2015 1103
 Prep Date: 07/02/2015 1422
 Leach Date: N/A

Analysis Batch: 580-194073
 Prep Batch: 580-193902
 Leach Batch: N/A
 Units: mg/L

**Method: 6010B
 Preparation: 3010A**

Instrument ID: TAC047
 Lab File ID: 193940 902 946 947.as
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	4.00	4.26	106	80 - 120	
Barium	4.00	4.10	102	80 - 120	
Cadmium	0.100	0.106	106	80 - 120	
Chromium	0.400	0.383	96	80 - 120	
Lead	1.00	1.03	103	80 - 120	
Selenium	4.00	4.57	114	80 - 120	
Silver	0.600	0.600	100	75 - 120	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-193902**

**Method: 6010B
Preparation: 3010A
TCLP**

LCS Lab Sample ID: LCS 580-193796/2-B	Analysis Batch: 580-194073	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-193902	Lab File ID: 193940 902 946 947.as
Dilution: 1.0	Leach Batch: 580-193796	Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1057	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1422		
Leach Date: 07/01/2015 1719		

LCSD Lab Sample ID: LCSD 580-193796/3-B	Analysis Batch: 580-194073	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-193902	Lab File ID: 193940 902 946 947.as
Dilution: 1.0	Leach Batch: 580-193796	Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1100	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1422		
Leach Date: 07/01/2015 1719		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	98	98	80 - 120	0	20		
Barium	95	94	80 - 120	1	20		
Cadmium	97	98	80 - 120	1	20		
Chromium	88	88	80 - 120	0	20		
Lead	95	95	80 - 120	0	20		
Selenium	103	104	80 - 120	0	20		
Silver	92	93	80 - 120	1	20		

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-193902**

**Method: 6010B
Preparation: 3010A
TCLP**

LCS Lab Sample ID: LCS 580-193796/2-B	Units: mg/L
Client Matrix: Solid	
Dilution: 1.0	
Analysis Date: 07/06/2015 1057	
Prep Date: 07/02/2015 1422	
Leach Date: 07/01/2015 1719	

LCSD Lab Sample ID: LCSD 580-193796/3-B	Units: mg/L
Client Matrix: Solid	
Dilution: 1.0	
Analysis Date: 07/06/2015 1100	
Prep Date: 07/02/2015 1422	
Leach Date: 07/01/2015 1719	

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	4.00	4.00	3.90	3.92
Barium	4.00	4.00	3.81	3.78
Cadmium	0.100	0.100	0.0968	0.0977
Chromium	0.400	0.400	0.352	0.353
Lead	1.00	1.00	0.951	0.954
Selenium	4.00	4.00	4.14	4.15
Silver	0.600	0.600	0.554	0.560

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Post Digestion Spike - Batch: 580-193902

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID: 580-51064-6	Analysis Batch: 580-194073	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-193902	Lab File ID: 193940 902 946 947.asx
Dilution: 1.0	Leach Batch: 580-193796	Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1122	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1421		
Leach Date: 07/01/2015 1719		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	ND	4.00	4.23	106	75 - 125	
Barium	0.59	4.00	4.77	104	75 - 125	
Cadmium	ND	0.100	0.106	106	75 - 125	
Chromium	ND	0.400	0.386	96	75 - 125	
Lead	0.0051 J	1.00	1.03	102	75 - 125	
Selenium	ND	4.00	4.57	114	75 - 125	
Silver	ND	0.600	0.519	87	75 - 125	

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-193902**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID: 580-51064-6	Analysis Batch: 580-194073	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-193902	Lab File ID: 193940 902 946 947.asx
Dilution: 1.0	Leach Batch: 580-193796	Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1116		Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1421		
Leach Date: 07/01/2015 1719		

MSD Lab Sample ID: 580-51064-6	Analysis Batch: 580-194073	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-193902	Lab File ID: 193940 902 946 947.asx
Dilution: 1.0	Leach Batch: 580-193796	Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1119		Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1421		
Leach Date: 07/01/2015 1719		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	100	105	75 - 125	5	20		
Barium	100	100	75 - 125	0	20		
Cadmium	101	105	75 - 125	4	20		
Chromium	91	94	75 - 125	3	20		
Lead	98	102	75 - 125	3	20		
Selenium	105	113	75 - 125	7	20		
Silver	97	96	75 - 125	0	20		

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-193902**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID: 580-51064-6 Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/06/2015 1116
 Prep Date: 07/02/2015 1421
 Leach Date: 07/01/2015 1719

MSD Lab Sample ID: 580-51064-6
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/06/2015 1119
 Prep Date: 07/02/2015 1421
 Leach Date: 07/01/2015 1719

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	ND	4.00	4.00	4.01	4.20
Barium	0.59	4.00	4.00	4.60	4.58
Cadmium	ND	0.100	0.100	0.101	0.105
Chromium	ND	0.400	0.400	0.366	0.378
Lead	0.0051 J	1.00	1.00	0.989	1.02
Selenium	ND	4.00	4.00	4.21	4.53
Silver	ND	0.600	0.600	0.580	0.577

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Serial Dilution - Batch: 580-193902

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID: 580-51064-6	Analysis Batch: 580-194073	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-193902	Lab File ID: 193940 902 946 947.asx
Dilution: 5.0	Leach Batch: 580-193796	Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1106	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1421		
Leach Date: 07/01/2015 1719		

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	ND	0.0455	NC	10	J
Barium	0.59	0.562	5.5	10	
Cadmium	ND	ND	NC	10	
Chromium	ND	ND	NC	10	
Lead	0.0051 J	ND	NC	10	
Selenium	ND	0.0480	NC	10	J
Silver	ND	ND	NC	10	

Duplicate - Batch: 580-193902

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID: 580-51064-6	Analysis Batch: 580-194073	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-193902	Lab File ID: 193940 902 946 947.asx
Dilution: 1.0	Leach Batch: 580-193796	Initial Weight/Volume: 50 mL
Analysis Date: 07/06/2015 1113	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 07/02/2015 1421		
Leach Date: 07/01/2015 1719		

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	ND	ND	NC	20	
Barium	0.59	0.596	0.2	20	
Cadmium	ND	ND	NC	20	
Chromium	ND	ND	NC	20	
Lead	0.0051 J	0.00360	34	20	J F5
Selenium	ND	ND	NC	20	
Silver	ND	ND	NC	20	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Method Blank - Batch: 580-193210

Method: 6020
Preparation: 3050B

Lab Sample ID: MB 580-193210/19-A	Analysis Batch: 580-193444	Instrument ID: SEA044
Client Matrix: Solid	Prep Batch: 580-193210	Lab File ID: 028SMPL.D
Dilution: 10	Sieved Batch: N/A	Initial Weight/Volume: 1.0 g
Analysis Date: 06/26/2015 1341	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 06/25/2015 1232		
Sieved Date: N/A		

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.18	0.50

LCS-Certified Reference Material - Batch: 580-193210

Method: 6020
Preparation: 3050B

Lab Sample ID: LCSSRM 580-193210/22	Analysis Batch: 580-193444	Instrument ID: SEA044
Client Matrix: Solid	Prep Batch: 580-193210	Lab File ID: 031SMPL.D
Dilution: 50	Sieved Batch: N/A	Initial Weight/Volume: 0.5064 g
Analysis Date: 06/26/2015 1404	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 06/25/2015 1232		
Sieved Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	139	149	106.9	70.4 - 140.3	

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 580-193210

Method: 6020
Preparation: 3050B

LCS Lab Sample ID: LCS 580-193210/20-A	Analysis Batch: 580-193444	Instrument ID: SEA044
Client Matrix: Solid	Prep Batch: 580-193210	Lab File ID: 029SMPL.D
Dilution: 50	Sieved Batch: N/A	Initial Weight/Volume: 1.0 g
Analysis Date: 06/26/2015 1349	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 06/25/2015 1232		
Sieved Date: N/A		

LCSD Lab Sample ID: LCSD 580-193210/21-A	Analysis Batch: 580-193444	Instrument ID: SEA044
Client Matrix: Solid	Prep Batch: 580-193210	Lab File ID: 030SMPL.D
Dilution: 50	Sieved Batch: N/A	Initial Weight/Volume: 1.0 g
Analysis Date: 06/26/2015 1356	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 06/25/2015 1232		
Sieved Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	102	102	80 - 120	0	20		

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-193210**

**Method: 6020
Preparation: 3050B**

LCS Lab Sample ID: LCS 580-193210/20-A Units: mg/Kg
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 06/26/2015 1349
 Prep Date: 06/25/2015 1232
 Sieved Date: N/A

LCSD Lab Sample ID: LCSD 580-193210/21-A
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 06/26/2015 1356
 Prep Date: 06/25/2015 1232
 Sieved Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	200	200	203	203

Post Digestion Spike - Batch: 580-193210

**Method: 6020
Preparation: 3050B**

Lab Sample ID: 580-51064-10
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 06/26/2015 1448
 Prep Date: 06/25/2015 1232
 Sieved Date: 06/25/2015 1047

Analysis Batch: 580-193444
 Prep Batch: 580-193210
 Sieved Batch: 580-193185
 Units: mg/Kg

Instrument ID: SEA044
 Lab File ID: 037SMPL.D
 Initial Weight/Volume: 1.0380 g
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	41	243	297	106	75 - 125	

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-193210**

**Method: 6020
Preparation: 3050B**

MS Lab Sample ID: 580-51064-10
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 06/26/2015 1433
 Prep Date: 06/25/2015 1232
 Sieved Date: 06/25/2015 1047

Analysis Batch: 580-193444
 Prep Batch: 580-193210
 Sieved Batch: 580-193185

Instrument ID: SEA044
 Lab File ID: 035SMPL.D
 Initial Weight/Volume: 1.0916 g
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 580-51064-10
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 06/26/2015 1440
 Prep Date: 06/25/2015 1232
 Sieved Date: 06/25/2015 1047

Analysis Batch: 580-193444
 Prep Batch: 580-193210
 Sieved Batch: 580-193185

Instrument ID: SEA044
 Lab File ID: 036SMPL.D
 Initial Weight/Volume: 1.0997 g
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	99	105	80 - 120	4	20		

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-193210**

**Method: 6020
Preparation: 3050B**

MS Lab Sample ID: 580-51064-10
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 06/26/2015 1433
 Prep Date: 06/25/2015 1232
 Sieved Date: 06/25/2015 1047

Units: mg/Kg

MSD Lab Sample ID: 580-51064-10
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 06/26/2015 1440
 Prep Date: 06/25/2015 1232
 Sieved Date: 06/25/2015 1047

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	41	231	229	268	280

Serial Dilution - Batch: 580-193210

**Method: 6020
Preparation: 3050B**

Lab Sample ID: 580-51064-10
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 06/26/2015 1411
 Prep Date: 06/25/2015 1232
 Sieved Date: 06/25/2015 1047

Analysis Batch: 580-193444
 Prep Batch: 580-193210
 Sieved Batch: 580-193185
 Units: mg/Kg

Instrument ID: SEA044
 Lab File ID: 032SMPL.D
 Initial Weight/Volume: 1.0380 g
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	41	41.0	0.73	10	

Duplicate - Batch: 580-193210

**Method: 6020
Preparation: 3050B**

Lab Sample ID: 580-51064-10
 Client Matrix: Solid
 Dilution: 10
 Analysis Date: 06/26/2015 1426
 Prep Date: 06/25/2015 1232
 Sieved Date: 06/25/2015 1047

Analysis Batch: 580-193444
 Prep Batch: 580-193210
 Sieved Batch: 580-193185
 Units: mg/Kg

Instrument ID: SEA044
 Lab File ID: 034SMPL.D
 Initial Weight/Volume: 1.0900 g
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	41	39.6	3	20	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Method Blank - Batch: 580-193216

Method: 6020
Preparation: 3050B

Lab Sample ID: MB 580-193216/19-A	Analysis Batch: 580-193638	Instrument ID: SEA103
Client Matrix: Solid	Prep Batch: 580-193216	Lab File ID: 092SAMP.D
Dilution: 10	Sieved Batch: N/A	Initial Weight/Volume: 1.0 g
Analysis Date: 06/29/2015 2139	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 06/25/2015 1318		
Sieved Date: N/A		

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.18	0.50

LCS-Certified Reference Material - Batch: 580-193216

Method: 6020
Preparation: 3050B

Lab Sample ID: LCSSRM 580-193216/22	Analysis Batch: 580-193638	Instrument ID: SEA103
Client Matrix: Solid	Prep Batch: 580-193216	Lab File ID: 095SAMP.D
Dilution: 50	Sieved Batch: N/A	Initial Weight/Volume: 0.5067 g
Analysis Date: 06/29/2015 2151	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 06/25/2015 1318		
Sieved Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	139	139	100	70.4 - 140.3	

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 580-193216

Method: 6020
Preparation: 3050B

LCS Lab Sample ID: LCS 580-193216/20-A	Analysis Batch: 580-193638	Instrument ID: SEA103
Client Matrix: Solid	Prep Batch: 580-193216	Lab File ID: 093SAMP.D
Dilution: 50	Sieved Batch: N/A	Initial Weight/Volume: 1.0 g
Analysis Date: 06/29/2015 2143	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 06/25/2015 1318		
Sieved Date: N/A		

LCSD Lab Sample ID: LCSD 580-193216/21-A	Analysis Batch: 580-193638	Instrument ID: SEA103
Client Matrix: Solid	Prep Batch: 580-193216	Lab File ID: 094SAMP.D
Dilution: 50	Sieved Batch: N/A	Initial Weight/Volume: 1.0 g
Analysis Date: 06/29/2015 2147	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 06/25/2015 1318		
Sieved Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	100	101	80 - 120	1	20		

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-193216**

**Method: 6020
Preparation: 3050B**

LCS Lab Sample ID: LCS 580-193216/20-A Units: mg/Kg
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 06/29/2015 2143
 Prep Date: 06/25/2015 1318
 Sieved Date: N/A

LCSD Lab Sample ID: LCSD 580-193216/21-A
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 06/29/2015 2147
 Prep Date: 06/25/2015 1318
 Sieved Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	200	200	199	202

Post Digestion Spike - Batch: 580-193216

**Method: 6020
Preparation: 3050B**

Lab Sample ID: 580-51064-26
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 06/29/2015 2216
 Prep Date: 06/25/2015 1318
 Sieved Date: 06/25/2015 1040

Analysis Batch: 580-193638
 Prep Batch: 580-193216
 Sieved Batch: 580-193185
 Units: mg/Kg

Instrument ID: SEA103
 Lab File ID: 101SAMP.D
 Initial Weight/Volume: 1.0298 g
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	140	225	366	101	75 - 125	

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-193216**

**Method: 6020
Preparation: 3050B**

MS Lab Sample ID: 580-51064-26
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 06/29/2015 2208
 Prep Date: 06/25/2015 1318
 Sieved Date: 06/25/2015 1040

Analysis Batch: 580-193638
 Prep Batch: 580-193216
 Sieved Batch: 580-193185

Instrument ID: SEA103
 Lab File ID: 099SAMP.D
 Initial Weight/Volume: 1.0576 g
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 580-51064-26
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 06/29/2015 2212
 Prep Date: 06/25/2015 1318
 Sieved Date: 06/25/2015 1040

Analysis Batch: 580-193638
 Prep Batch: 580-193216
 Sieved Batch: 580-193185

Instrument ID: SEA103
 Lab File ID: 100SAMP.D
 Initial Weight/Volume: 1.0396 g
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	104	104	80 - 120	1	20		

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-193216**

**Method: 6020
Preparation: 3050B**

MS Lab Sample ID: 580-51064-26
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 06/29/2015 2208
 Prep Date: 06/25/2015 1318
 Sieved Date: 06/25/2015 1040

Units: mg/Kg

MSD Lab Sample ID: 580-51064-26
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 06/29/2015 2212
 Prep Date: 06/25/2015 1318
 Sieved Date: 06/25/2015 1040

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	140	219	223	368	370

Serial Dilution - Batch: 580-193216

**Method: 6020
Preparation: 3050B**

Lab Sample ID: 580-51064-26
 Client Matrix: Solid
 Dilution: 50
 Analysis Date: 06/29/2015 2155
 Prep Date: 06/25/2015 1318
 Sieved Date: 06/25/2015 1040

Analysis Batch: 580-193638
 Prep Batch: 580-193216
 Sieved Batch: 580-193185
 Units: mg/Kg

Instrument ID: SEA103
 Lab File ID: 096SAMP.D
 Initial Weight/Volume: 1.0298 g
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	140	131	5.5	10	

Duplicate - Batch: 580-193216

**Method: 6020
Preparation: 3050B**

Lab Sample ID: 580-51064-26
 Client Matrix: Solid
 Dilution: 10
 Analysis Date: 06/29/2015 2204
 Prep Date: 06/25/2015 1318
 Sieved Date: 06/25/2015 1040

Analysis Batch: 580-193638
 Prep Batch: 580-193216
 Sieved Batch: 580-193185
 Units: mg/Kg

Instrument ID: SEA103
 Lab File ID: 098SAMP.D
 Initial Weight/Volume: 1.0793 g
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	140	128	8	20	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Method Blank - Batch: 580-193644

Lab Sample ID: MB 580-193544/1-C
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/30/2015 1750
 Prep Date: 06/30/2015 1448
 Leach Date: 06/29/2015 1804

Analysis Batch: 580-193695
 Prep Batch: 580-193644
 Leach Batch: 580-193544
 Units: mg/L

**Method: 7470A
 Preparation: 7470A
 TCLP**

Instrument ID: TAC103
 Lab File ID: 193644-TAC103-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00041	0.0020

LCS-Certified Reference Material - Batch: 580-193644

Lab Sample ID: LCSSRM 580-193544/15-
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/30/2015 1757
 Prep Date: 06/30/2015 1448
 Leach Date: 06/29/2015 1804

Analysis Batch: 580-193695
 Prep Batch: 580-193644
 Leach Batch: 580-193544
 Units: mg/L

**Method: 7470A
 Preparation: 7470A
 TCLP**

Instrument ID: TAC103
 Lab File ID: 193644-TAC103-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.0200	0.0177	88	75 - 125	

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 580-193644**

LCS Lab Sample ID: LCS 580-193544/2-C
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/30/2015 1752
 Prep Date: 06/30/2015 1448
 Leach Date: 06/29/2015 1804

Analysis Batch: 580-193695
 Prep Batch: 580-193644
 Leach Batch: 580-193544
 Units: mg/L

**Method: 7470A
 Preparation: 7470A
 TCLP**

Instrument ID: TAC103
 Lab File ID: 193644-TAC103-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 580-193544/3-C
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/30/2015 1755
 Prep Date: 06/30/2015 1448
 Leach Date: 06/29/2015 1804

Analysis Batch: 580-193695
 Prep Batch: 580-193644
 Leach Batch: 580-193544
 Units: mg/L

Instrument ID: TAC103
 Lab File ID: 193644-TAC103-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Mercury	89	87	80 - 120	2	20		

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-193644**

**Method: 7470A
Preparation: 7470A
TCLP**

LCS Lab Sample ID: LCS 580-193544/2-C Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/30/2015 1752
 Prep Date: 06/30/2015 1448
 Leach Date: 06/29/2015 1804

LCSD Lab Sample ID: LCSD 580-193544/3-C
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/30/2015 1755
 Prep Date: 06/30/2015 1448
 Leach Date: 06/29/2015 1804

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	0.0200	0.0200	0.0178	0.0174

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-193644**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-51064-1
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/30/2015 1804
 Prep Date: 06/30/2015 1448
 Leach Date: 06/29/2015 1804

Analysis Batch: 580-193695
 Prep Batch: 580-193644
 Leach Batch: 580-193544

Instrument ID: TAC103
 Lab File ID: 193644-TAC103-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 580-51064-1
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/30/2015 1807
 Prep Date: 06/30/2015 1448
 Leach Date: 06/29/2015 1804

Analysis Batch: 580-193695
 Prep Batch: 580-193644
 Leach Batch: 580-193544

Instrument ID: TAC103
 Lab File ID: 193644-TAC103-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	96	94	80 - 120	2	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-193644**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-51064-1 Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/30/2015 1804
 Prep Date: 06/30/2015 1448
 Leach Date: 06/29/2015 1804

MSD Lab Sample ID: 580-51064-1
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/30/2015 1807
 Prep Date: 06/30/2015 1448
 Leach Date: 06/29/2015 1804

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	ND	0.0200	0.0200	0.0192	0.0188

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Duplicate - Batch: 580-193644

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: 580-51064-1	Analysis Batch: 580-193695	Instrument ID: TAC103
Client Matrix: Solid	Prep Batch: 580-193644	Lab File ID: 193644-TAC103-FCW.C
Dilution: 1.0	Leach Batch: 580-193544	Initial Weight/Volume: 5 mL
Analysis Date: 06/30/2015 1802	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 06/30/2015 1448		
Leach Date: 06/29/2015 1804		

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	ND	ND	NC	20	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Method Blank - Batch: 580-193904

Lab Sample ID: MB 580-193796/1-C
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/02/2015 1653
 Prep Date: 07/02/2015 1429
 Leach Date: 07/01/2015 1719

Analysis Batch: 580-194035
 Prep Batch: 580-193904
 Leach Batch: 580-193796
 Units: mg/L

**Method: 7470A
 Preparation: 7470A
 TCLP**

Instrument ID: TAC104
 Lab File ID: 193891-TAC104-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00041	0.0020

LCS-Certified Reference Material - Batch: 580-193904

Lab Sample ID: LCSSRM 580-193904/24-
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 07/02/2015 1700
 Prep Date: 07/02/2015 1429
 Leach Date: N/A

Analysis Batch: 580-194035
 Prep Batch: 580-193904
 Leach Batch: N/A
 Units: mg/L

**Method: 7470A
 Preparation: 7470A**

Instrument ID: TAC104
 Lab File ID: 193891-TAC104-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.0200	0.0193	97	75 - 125	

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 580-193904**

LCS Lab Sample ID: LCS 580-193796/2-C
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/02/2015 1655
 Prep Date: 07/02/2015 1429
 Leach Date: 07/01/2015 1719

Analysis Batch: 580-194035
 Prep Batch: 580-193904
 Leach Batch: 580-193796
 Units: mg/L

**Method: 7470A
 Preparation: 7470A
 TCLP**

Instrument ID: TAC104
 Lab File ID: 193891-TAC104-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 580-193796/3-C
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/02/2015 1657
 Prep Date: 07/02/2015 1429
 Leach Date: 07/01/2015 1719

Analysis Batch: 580-194035
 Prep Batch: 580-193904
 Leach Batch: 580-193796
 Units: mg/L

Instrument ID: TAC104
 Lab File ID: 193891-TAC104-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Mercury	98	95	80 - 120	3	20		

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-193904**

**Method: 7470A
Preparation: 7470A
TCLP**

LCS Lab Sample ID: LCS 580-193796/2-C Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/02/2015 1655
 Prep Date: 07/02/2015 1429
 Leach Date: 07/01/2015 1719

LCSD Lab Sample ID: LCSD 580-193796/3-C
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/02/2015 1657
 Prep Date: 07/02/2015 1429
 Leach Date: 07/01/2015 1719

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	0.0200	0.0200	0.0196	0.0190

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-193904**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-51064-6
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/02/2015 1707
 Prep Date: 07/02/2015 1429
 Leach Date: 07/01/2015 1719

Analysis Batch: 580-194035
 Prep Batch: 580-193904
 Leach Batch: 580-193796

Instrument ID: TAC104
 Lab File ID: 193891-TAC104-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 580-51064-6
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/02/2015 1709
 Prep Date: 07/02/2015 1429
 Leach Date: 07/01/2015 1719

Analysis Batch: 580-194035
 Prep Batch: 580-193904
 Leach Batch: 580-193796

Instrument ID: TAC104
 Lab File ID: 193891-TAC104-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	103	99	80 - 120	4	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-193904**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-51064-6 Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/02/2015 1707
 Prep Date: 07/02/2015 1429
 Leach Date: 07/01/2015 1719

MSD Lab Sample ID: 580-51064-6
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/02/2015 1709
 Prep Date: 07/02/2015 1429
 Leach Date: 07/01/2015 1719

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	ND	0.0200	0.0200	0.0206	0.0198

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Duplicate - Batch: 580-193904

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	580-51064-6	Analysis Batch:	580-194035	Instrument ID:	TAC104
Client Matrix:	Solid	Prep Batch:	580-193904	Lab File ID:	193891-TAC104-FCW.C
Dilution:	1.0	Leach Batch:	580-193796	Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2015 1704	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	07/02/2015 1429				
Leach Date:	07/01/2015 1719				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	ND	ND	NC	20	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Duplicate - Batch: 580-193357

Method: 160.3
Preparation: N/A

Lab Sample ID:	580-51064-5	Analysis Batch:	580-193357	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/26/2015 1637	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	85	83	2	20	
Percent Moisture	15	17	12	20	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Duplicate - Batch: 580-193521

Method: 160.3
Preparation: N/A

Lab Sample ID:	580-51064-10	Analysis Batch:	580-193521	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/29/2015 1436	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	79	79	0	20	
Percent Moisture	21	21	0.09	20	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Duplicate - Batch: 580-193762

Method: 160.3
Preparation: N/A

Lab Sample ID:	580-51064-6	Analysis Batch:	580-193762	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	07/01/2015 1312	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	90	90	0.3	20	
Percent Moisture	9.9	10	3	20	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Duplicate - Batch: 580-193766

Method: 160.3
Preparation: N/A

Lab Sample ID:	580-51064-42	Analysis Batch:	580-193766	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	07/01/2015 1344	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	83	82	0.4	20	
Percent Moisture	17	18	2	20	

DATA REPORTING QUALIFIERS

Client: Leidos, Inc.

Job Number: 580-51064-1

Lab Section	Qualifier	Description
Metals	B	Compound was found in the blank and sample.
	F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	H	Sample was prepped or analyzed beyond the specified holding time

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 580-193185					
580-51064-10	376-A-04-B-1	T	Solid	Sieve	
580-51064-10DU	Duplicate	T	Solid	Sieve	
580-51064-10MS	Matrix Spike	T	Solid	Sieve	
580-51064-10MSD	Matrix Spike Duplicate	T	Solid	Sieve	
580-51064-11	370-B-05-B-1	T	Solid	Sieve	
580-51064-12	372-A-04-B-1	T	Solid	Sieve	
580-51064-14	377-B-02-B-1	T	Solid	Sieve	
580-51064-25	386-A-06-B-1	T	Solid	Sieve	
580-51064-26	386-A-04-C-1	T	Solid	Sieve	
580-51064-26DU	Duplicate	T	Solid	Sieve	
580-51064-26MS	Matrix Spike	T	Solid	Sieve	
580-51064-26MSD	Matrix Spike Duplicate	T	Solid	Sieve	
580-51064-27	393-A-01-B-1	T	Solid	Sieve	
580-51064-29	393-B-05-B-1	T	Solid	Sieve	
580-51064-30	391-A-04-B-1	T	Solid	Sieve	
580-51064-31	390-A-04-B-1	T	Solid	Sieve	
580-51064-32	392-A-01-B-1	T	Solid	Sieve	
580-51064-33	389-A-02-B-1	T	Solid	Sieve	
580-51064-34	388-A-02-B-1	T	Solid	Sieve	
580-51064-35	388-A-06-D-1	T	Solid	Sieve	
580-51064-36	400-B-04-B-1	T	Solid	Sieve	
580-51064-37	400-A-03-B-1	T	Solid	Sieve	
580-51064-38	396-A-06-B-1	T	Solid	Sieve	
580-51064-39	386-A-02-A-1	T	Solid	Sieve	
580-51064-40	387-A-04-B-1	T	Solid	Sieve	
580-51064-53	393-A-01-C-1	T	Solid	Sieve	
Prep Batch: 580-193191					
580-51064-15	377-A-05-B-1	T	Solid	Sieve	
580-51064-16	383-A-04-B-1	T	Solid	Sieve	
580-51064-17	381-A-01-B-1	T	Solid	Sieve	
580-51064-18	374-A-05-B1	T	Solid	Sieve	
580-51064-19	373-A-04-B-1	T	Solid	Sieve	
580-51064-20	375-A-05-B-1	T	Solid	Sieve	
580-51064-21	375-A-08-B-1	T	Solid	Sieve	
580-51064-22	382-A-01-B-1	T	Solid	Sieve	
580-51064-23	394-A-05-B	T	Solid	Sieve	
580-51064-24	394-A-07-B	T	Solid	Sieve	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 580-193210					
LCS 580-193210/20-A	Lab Control Sample	T	Solid	3050B	
LCSD 580-193210/21-A	Lab Control Sample Duplicate	T	Solid	3050B	
LCSSRM 580-193210/22-A	LCS-Certified Reference Material	T	Solid	3050B	
MB 580-193210/19-A	Method Blank	T	Solid	3050B	
580-51064-10	376-A-04-B-1	T	Solid	3050B	580-193185
580-51064-10DU	Duplicate	T	Solid	3050B	580-193185
580-51064-10MS	Matrix Spike	T	Solid	3050B	580-193185
580-51064-10MSD	Matrix Spike Duplicate	T	Solid	3050B	580-193185
580-51064-11	370-B-05-B-1	T	Solid	3050B	580-193185
580-51064-12	372-A-04-B-1	T	Solid	3050B	580-193185
580-51064-14	377-B-02-B-1	T	Solid	3050B	580-193185
580-51064-15	377-A-05-B-1	T	Solid	3050B	580-193191
580-51064-16	383-A-04-B-1	T	Solid	3050B	580-193191
580-51064-17	381-A-01-B-1	T	Solid	3050B	580-193191
580-51064-18	374-A-05-B1	T	Solid	3050B	580-193191
580-51064-19	373-A-04-B-1	T	Solid	3050B	580-193191
580-51064-20	375-A-05-B-1	T	Solid	3050B	580-193191
580-51064-21	375-A-08-B-1	T	Solid	3050B	580-193191
580-51064-22	382-A-01-B-1	T	Solid	3050B	580-193191
580-51064-23	394-A-05-B	T	Solid	3050B	580-193191
580-51064-24	394-A-07-B	T	Solid	3050B	580-193191
580-51064-25	386-A-06-B-1	T	Solid	3050B	580-193185

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 580-193216					
LCS 580-193216/20-A	Lab Control Sample	T	Solid	3050B	
LCSD 580-193216/21-A	Lab Control Sample Duplicate	T	Solid	3050B	
LCSSRM 580-193216/22-A	LCS-Certified Reference Material	T	Solid	3050B	
MB 580-193216/19-A	Method Blank	T	Solid	3050B	
580-51064-26	386-A-04-C-1	T	Solid	3050B	580-193185
580-51064-26DU	Duplicate	T	Solid	3050B	580-193185
580-51064-26MS	Matrix Spike	T	Solid	3050B	580-193185
580-51064-26MSD	Matrix Spike Duplicate	T	Solid	3050B	580-193185
580-51064-27	393-A-01-B-1	T	Solid	3050B	580-193185
580-51064-29	393-B-05-B-1	T	Solid	3050B	580-193185
580-51064-30	391-A-04-B-1	T	Solid	3050B	580-193185
580-51064-31	390-A-04-B-1	T	Solid	3050B	580-193185
580-51064-32	392-A-01-B-1	T	Solid	3050B	580-193185
580-51064-33	389-A-02-B-1	T	Solid	3050B	580-193185
580-51064-34	388-A-02-B-1	T	Solid	3050B	580-193185
580-51064-35	388-A-06-D-1	T	Solid	3050B	580-193185
580-51064-36	400-B-04-B-1	T	Solid	3050B	580-193185
580-51064-37	400-A-03-B-1	T	Solid	3050B	580-193185
580-51064-38	396-A-06-B-1	T	Solid	3050B	580-193185
580-51064-39	386-A-02-A-1	T	Solid	3050B	580-193185
580-51064-40	387-A-04-B-1	T	Solid	3050B	580-193185
580-51064-53	393-A-01-C-1	T	Solid	3050B	580-193185

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch: 580-193444					
LCS 580-193210/20-A	Lab Control Sample	T	Solid	6020	580-193210
LCSD 580-193210/21-A	Lab Control Sample Duplicate	T	Solid	6020	580-193210
LCSSRM 580-193210/22-A	LCS-Certified Reference Material	T	Solid	6020	580-193210
MB 580-193210/19-A	Method Blank	T	Solid	6020	580-193210
580-51064-10	376-A-04-B-1	T	Solid	6020	580-193210
580-51064-10DU	Duplicate	T	Solid	6020	580-193210
580-51064-10MS	Matrix Spike	T	Solid	6020	580-193210
580-51064-10MSD	Matrix Spike Duplicate	T	Solid	6020	580-193210
580-51064-11	370-B-05-B-1	T	Solid	6020	580-193210
580-51064-12	372-A-04-B-1	T	Solid	6020	580-193210
580-51064-14	377-B-02-B-1	T	Solid	6020	580-193210
580-51064-15	377-A-05-B-1	T	Solid	6020	580-193210
580-51064-16	383-A-04-B-1	T	Solid	6020	580-193210
580-51064-17	381-A-01-B-1	T	Solid	6020	580-193210
580-51064-18	374-A-05-B1	T	Solid	6020	580-193210
580-51064-19	373-A-04-B-1	T	Solid	6020	580-193210
580-51064-20	375-A-05-B-1	T	Solid	6020	580-193210
580-51064-21	375-A-08-B-1	T	Solid	6020	580-193210
580-51064-22	382-A-01-B-1	T	Solid	6020	580-193210
580-51064-23	394-A-05-B	T	Solid	6020	580-193210
580-51064-24	394-A-07-B	T	Solid	6020	580-193210
580-51064-25	386-A-06-B-1	T	Solid	6020	580-193210
Prep Batch: 580-193544					
LCS 580-193544/2-B	Lab Control Sample	P	Solid	1311	
LCS 580-193544/2-C	Lab Control Sample	P	Solid	1311	
LCSD 580-193544/3-B	Lab Control Sample Duplicate	P	Solid	1311	
LCSD 580-193544/3-C	Lab Control Sample Duplicate	P	Solid	1311	
LCSSRM 580-193544/15-A	LCS-Certified Reference Material	P	Solid	1311	
LCSSRM 580-193544/15-C	LCS-Certified Reference Material	P	Solid	1311	
MB 580-193544/1-B	Method Blank	P	Solid	1311	
MB 580-193544/1-C	Method Blank	P	Solid	1311	
580-51064-1	TCLP-393-A	P	Solid	1311	
580-51064-1DU	Duplicate	P	Solid	1311	
580-51064-1MS	Matrix Spike	P	Solid	1311	
580-51064-1MSD	Matrix Spike Duplicate	P	Solid	1311	
580-51064-2	TCLP-393-B-1	P	Solid	1311	
580-51064-3	TCLP-391-A-1	P	Solid	1311	
580-51064-50	TCLP-386-A	P	Solid	1311	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch: 580-193638					
LCS 580-193216/20-A	Lab Control Sample	T	Solid	6020	580-193216
LCSD 580-193216/21-A	Lab Control Sample Duplicate	T	Solid	6020	580-193216
LCSSRM 580-193216/22-A	LCS-Certified Reference Material	T	Solid	6020	580-193216
MB 580-193216/19-A	Method Blank	T	Solid	6020	580-193216
580-51064-26	386-A-04-C-1	T	Solid	6020	580-193216
580-51064-26DU	Duplicate	T	Solid	6020	580-193216
580-51064-26MS	Matrix Spike	T	Solid	6020	580-193216
580-51064-26MSD	Matrix Spike Duplicate	T	Solid	6020	580-193216
580-51064-27	393-A-01-B-1	T	Solid	6020	580-193216
580-51064-29	393-B-05-B-1	T	Solid	6020	580-193216
580-51064-30	391-A-04-B-1	T	Solid	6020	580-193216
580-51064-31	390-A-04-B-1	T	Solid	6020	580-193216
580-51064-32	392-A-01-B-1	T	Solid	6020	580-193216
580-51064-33	389-A-02-B-1	T	Solid	6020	580-193216
580-51064-34	388-A-02-B-1	T	Solid	6020	580-193216
580-51064-35	388-A-06-D-1	T	Solid	6020	580-193216
580-51064-36	400-B-04-B-1	T	Solid	6020	580-193216
580-51064-37	400-A-03-B-1	T	Solid	6020	580-193216
580-51064-38	396-A-06-B-1	T	Solid	6020	580-193216
580-51064-39	386-A-02-A-1	T	Solid	6020	580-193216
580-51064-40	387-A-04-B-1	T	Solid	6020	580-193216
580-51064-53	393-A-01-C-1	T	Solid	6020	580-193216
Prep Batch: 580-193639					
LCS 580-193544/2-B	Lab Control Sample	P	Solid	3010A	580-193544
LCSD 580-193544/3-B	Lab Control Sample Duplicate	P	Solid	3010A	580-193544
MB 580-193544/1-B	Method Blank	P	Solid	3010A	580-193544
580-51064-1	TCLP-393-A	P	Solid	3010A	580-193544
580-51064-1DU	Duplicate	P	Solid	3010A	580-193544
580-51064-1MS	Matrix Spike	P	Solid	3010A	580-193544
580-51064-1MSD	Matrix Spike Duplicate	P	Solid	3010A	580-193544
580-51064-2	TCLP-393-B-1	P	Solid	3010A	580-193544
580-51064-3	TCLP-391-A-1	P	Solid	3010A	580-193544
580-51064-50	TCLP-386-A	P	Solid	3010A	580-193544

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 580-193644					
LCS 580-193544/2-C	Lab Control Sample	P	Solid	7470A	580-193544
LCSD 580-193544/3-C	Lab Control Sample Duplicate	P	Solid	7470A	580-193544
LCSSRM 580-193544/15-C	LCS-Certified Reference Material	P	Solid	7470A	580-193544
MB 580-193544/1-C	Method Blank	P	Solid	7470A	580-193544
580-51064-1	TCLP-393-A	P	Solid	7470A	580-193544
580-51064-1DU	Duplicate	P	Solid	7470A	580-193544
580-51064-1MS	Matrix Spike	P	Solid	7470A	580-193544
580-51064-1MSD	Matrix Spike Duplicate	P	Solid	7470A	580-193544
580-51064-2	TCLP-393-B-1	P	Solid	7470A	580-193544
580-51064-3	TCLP-391-A-1	P	Solid	7470A	580-193544
580-51064-50	TCLP-386-A	P	Solid	7470A	580-193544
Analysis Batch:580-193695					
LCS 580-193544/2-C	Lab Control Sample	P	Solid	7470A	580-193644
LCSD 580-193544/3-C	Lab Control Sample Duplicate	P	Solid	7470A	580-193644
LCSSRM 580-193544/15-C	LCS-Certified Reference Material	P	Solid	7470A	580-193644
MB 580-193544/1-C	Method Blank	P	Solid	7470A	580-193644
580-51064-1	TCLP-393-A	P	Solid	7470A	580-193644
580-51064-1DU	Duplicate	P	Solid	7470A	580-193644
580-51064-1MS	Matrix Spike	P	Solid	7470A	580-193644
580-51064-1MSD	Matrix Spike Duplicate	P	Solid	7470A	580-193644
580-51064-2	TCLP-393-B-1	P	Solid	7470A	580-193644
580-51064-3	TCLP-391-A-1	P	Solid	7470A	580-193644
580-51064-50	TCLP-386-A	P	Solid	7470A	580-193644
Analysis Batch:580-193747					
LCSSRM 580-193544/15-A	LCS-Certified Reference Material	P	Solid	6010B	
LCS 580-193544/2-B	Lab Control Sample	P	Solid	6010B	580-193639
LCSD 580-193544/3-B	Lab Control Sample Duplicate	P	Solid	6010B	580-193639
MB 580-193544/1-B	Method Blank	P	Solid	6010B	580-193639
580-51064-1	TCLP-393-A	P	Solid	6010B	580-193639
580-51064-1DU	Duplicate	P	Solid	6010B	580-193639
580-51064-1MS	Matrix Spike	P	Solid	6010B	580-193639
580-51064-1MSD	Matrix Spike Duplicate	P	Solid	6010B	580-193639
580-51064-2	TCLP-393-B-1	P	Solid	6010B	580-193639
580-51064-3	TCLP-391-A-1	P	Solid	6010B	580-193639
580-51064-50	TCLP-386-A	P	Solid	6010B	580-193639

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 580-193796					
LCS 580-193796/2-B	Lab Control Sample	P	Solid	1311	
LCS 580-193796/2-C	Lab Control Sample	P	Solid	1311	
LCSD 580-193796/3-B	Lab Control Sample Duplicate	P	Solid	1311	
LCSD 580-193796/3-C	Lab Control Sample Duplicate	P	Solid	1311	
MB 580-193796/1-B	Method Blank	P	Solid	1311	
MB 580-193796/1-C	Method Blank	P	Solid	1311	
580-51064-4	TCLP-392-A	P	Solid	1311	
580-51064-5	TCLP-389-A	P	Solid	1311	
580-51064-6	TCLP-388-A	P	Solid	1311	
580-51064-6DU	Duplicate	P	Solid	1311	
580-51064-6MS	Matrix Spike	P	Solid	1311	
580-51064-6MSD	Matrix Spike Duplicate	P	Solid	1311	
580-51064-7	TCLP-400-DU-A-B	P	Solid	1311	
580-51064-8	TCLP-396-A	P	Solid	1311	
580-51064-9	TCLP-387-A	P	Solid	1311	
580-51064-41	TCLP-373-A	P	Solid	1311	
580-51064-42	TCLP-374-A	P	Solid	1311	
580-51064-43	TCLP-375-A	P	Solid	1311	
580-51064-44	TCLP-376-A	P	Solid	1311	
580-51064-45	TCLP-377-A	P	Solid	1311	
580-51064-46	TCLP-377-B	P	Solid	1311	
580-51064-47	TCLP-381-A	P	Solid	1311	
580-51064-48	TCLP-382-A	P	Solid	1311	
580-51064-49	TCLP-383-A	P	Solid	1311	
580-51064-51	TCLP-390-A	P	Solid	1311	
580-51064-52	TCLP-394-A	P	Solid	1311	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 580-193902					
LCSSRM 580-193902/24-A	LCS-Certified Reference Material	T	Water	3010A	
LCS 580-193796/2-B	Lab Control Sample	P	Solid	3010A	580-193796
LCSD 580-193796/3-B	Lab Control Sample Duplicate	P	Solid	3010A	580-193796
MB 580-193796/1-B	Method Blank	P	Solid	3010A	580-193796
580-51064-4	TCLP-392-A	P	Solid	3010A	580-193796
580-51064-5	TCLP-389-A	P	Solid	3010A	580-193796
580-51064-6	TCLP-388-A	P	Solid	3010A	580-193796
580-51064-6DU	Duplicate	P	Solid	3010A	580-193796
580-51064-6MS	Matrix Spike	P	Solid	3010A	580-193796
580-51064-6MSD	Matrix Spike Duplicate	P	Solid	3010A	580-193796
580-51064-7	TCLP-400-DU-A-B	P	Solid	3010A	580-193796
580-51064-8	TCLP-396-A	P	Solid	3010A	580-193796
580-51064-9	TCLP-387-A	P	Solid	3010A	580-193796
580-51064-41	TCLP-373-A	P	Solid	3010A	580-193796
580-51064-42	TCLP-374-A	P	Solid	3010A	580-193796
580-51064-43	TCLP-375-A	P	Solid	3010A	580-193796
580-51064-44	TCLP-376-A	P	Solid	3010A	580-193796
580-51064-45	TCLP-377-A	P	Solid	3010A	580-193796
580-51064-46	TCLP-377-B	P	Solid	3010A	580-193796
580-51064-47	TCLP-381-A	P	Solid	3010A	580-193796
580-51064-48	TCLP-382-A	P	Solid	3010A	580-193796
580-51064-49	TCLP-383-A	P	Solid	3010A	580-193796
580-51064-51	TCLP-390-A	P	Solid	3010A	580-193796
580-51064-52	TCLP-394-A	P	Solid	3010A	580-193796

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 580-193904					
LCSSRM 580-193904/24-A	LCS-Certified Reference Material	T	Water	7470A	
LCS 580-193796/2-C	Lab Control Sample	P	Solid	7470A	580-193796
LCSD 580-193796/3-C	Lab Control Sample Duplicate	P	Solid	7470A	580-193796
MB 580-193796/1-C	Method Blank	P	Solid	7470A	580-193796
580-51064-4	TCLP-392-A	P	Solid	7470A	580-193796
580-51064-5	TCLP-389-A	P	Solid	7470A	580-193796
580-51064-6	TCLP-388-A	P	Solid	7470A	580-193796
580-51064-6DU	Duplicate	P	Solid	7470A	580-193796
580-51064-6MS	Matrix Spike	P	Solid	7470A	580-193796
580-51064-6MSD	Matrix Spike Duplicate	P	Solid	7470A	580-193796
580-51064-7	TCLP-400-DU-A-B	P	Solid	7470A	580-193796
580-51064-8	TCLP-396-A	P	Solid	7470A	580-193796
580-51064-9	TCLP-387-A	P	Solid	7470A	580-193796
580-51064-41	TCLP-373-A	P	Solid	7470A	580-193796
580-51064-42	TCLP-374-A	P	Solid	7470A	580-193796
580-51064-43	TCLP-375-A	P	Solid	7470A	580-193796
580-51064-44	TCLP-376-A	P	Solid	7470A	580-193796
580-51064-45	TCLP-377-A	P	Solid	7470A	580-193796
580-51064-46	TCLP-377-B	P	Solid	7470A	580-193796
580-51064-47	TCLP-381-A	P	Solid	7470A	580-193796
580-51064-48	TCLP-382-A	P	Solid	7470A	580-193796
580-51064-49	TCLP-383-A	P	Solid	7470A	580-193796
580-51064-51	TCLP-390-A	P	Solid	7470A	580-193796
580-51064-52	TCLP-394-A	P	Solid	7470A	580-193796

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:580-194035					
LCS 580-193796/2-C	Lab Control Sample	P	Solid	7470A	580-193904
LCSD 580-193796/3-C	Lab Control Sample Duplicate	P	Solid	7470A	580-193904
MB 580-193796/1-C	Method Blank	P	Solid	7470A	580-193904
LCSSRM 580-193904/24-A	LCS-Certified Reference Material	T	Water	7470A	580-193904
580-51064-4	TCLP-392-A	P	Solid	7470A	580-193904
580-51064-5	TCLP-389-A	P	Solid	7470A	580-193904
580-51064-6	TCLP-388-A	P	Solid	7470A	580-193904
580-51064-6DU	Duplicate	P	Solid	7470A	580-193904
580-51064-6MS	Matrix Spike	P	Solid	7470A	580-193904
580-51064-6MSD	Matrix Spike Duplicate	P	Solid	7470A	580-193904
580-51064-7	TCLP-400-DU-A-B	P	Solid	7470A	580-193904
580-51064-8	TCLP-396-A	P	Solid	7470A	580-193904
580-51064-9	TCLP-387-A	P	Solid	7470A	580-193904
580-51064-41	TCLP-373-A	P	Solid	7470A	580-193904
580-51064-42	TCLP-374-A	P	Solid	7470A	580-193904
580-51064-43	TCLP-375-A	P	Solid	7470A	580-193904
580-51064-44	TCLP-376-A	P	Solid	7470A	580-193904
580-51064-45	TCLP-377-A	P	Solid	7470A	580-193904
580-51064-46	TCLP-377-B	P	Solid	7470A	580-193904
580-51064-47	TCLP-381-A	P	Solid	7470A	580-193904
580-51064-48	TCLP-382-A	P	Solid	7470A	580-193904
580-51064-49	TCLP-383-A	P	Solid	7470A	580-193904
580-51064-51	TCLP-390-A	P	Solid	7470A	580-193904
580-51064-52	TCLP-394-A	P	Solid	7470A	580-193904

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:580-194073					
LCS 580-193796/2-B	Lab Control Sample	P	Solid	6010B	580-193902
LCSD 580-193796/3-B	Lab Control Sample Duplicate	P	Solid	6010B	580-193902
MB 580-193796/1-B	Method Blank	P	Solid	6010B	580-193902
LCSSRM 580-193902/24-A	LCS-Certified Reference Material	T	Water	6010B	580-193902
580-51064-4	TCLP-392-A	P	Solid	6010B	580-193902
580-51064-5	TCLP-389-A	P	Solid	6010B	580-193902
580-51064-6	TCLP-388-A	P	Solid	6010B	580-193902
580-51064-6DU	Duplicate	P	Solid	6010B	580-193902
580-51064-6MS	Matrix Spike	P	Solid	6010B	580-193902
580-51064-6MSD	Matrix Spike Duplicate	P	Solid	6010B	580-193902
580-51064-7	TCLP-400-DU-A-B	P	Solid	6010B	580-193902
580-51064-8	TCLP-396-A	P	Solid	6010B	580-193902
580-51064-9	TCLP-387-A	P	Solid	6010B	580-193902
580-51064-41	TCLP-373-A	P	Solid	6010B	580-193902
580-51064-42	TCLP-374-A	P	Solid	6010B	580-193902
580-51064-43	TCLP-375-A	P	Solid	6010B	580-193902
580-51064-44	TCLP-376-A	P	Solid	6010B	580-193902
580-51064-45	TCLP-377-A	P	Solid	6010B	580-193902
580-51064-46	TCLP-377-B	P	Solid	6010B	580-193902
580-51064-47	TCLP-381-A	P	Solid	6010B	580-193902
580-51064-48	TCLP-382-A	P	Solid	6010B	580-193902
580-51064-49	TCLP-383-A	P	Solid	6010B	580-193902
580-51064-51	TCLP-390-A	P	Solid	6010B	580-193902
580-51064-52	TCLP-394-A	P	Solid	6010B	580-193902

Report Basis

P = TCLP

T = Total

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:580-193357					
580-51064-1	TCLP-393-A	T	Solid	160.3	
580-51064-2	TCLP-393-B-1	T	Solid	160.3	
580-51064-3	TCLP-391-A-1	T	Solid	160.3	
580-51064-4	TCLP-392-A	T	Solid	160.3	
580-51064-5	TCLP-389-A	T	Solid	160.3	
580-51064-5DU	Duplicate	T	Solid	160.3	
Analysis Batch:580-193521					
580-51064-10	376-A-04-B-1	T	Solid	160.3	
580-51064-10DU	Duplicate	T	Solid	160.3	
580-51064-11	370-B-05-B-1	T	Solid	160.3	
580-51064-12	372-A-04-B-1	T	Solid	160.3	
580-51064-14	377-B-02-B-1	T	Solid	160.3	
580-51064-15	377-A-05-B-1	T	Solid	160.3	
580-51064-16	383-A-04-B-1	T	Solid	160.3	
580-51064-17	381-A-01-B-1	T	Solid	160.3	
580-51064-18	374-A-05-B1	T	Solid	160.3	
580-51064-19	373-A-04-B-1	T	Solid	160.3	
580-51064-20	375-A-05-B-1	T	Solid	160.3	
580-51064-21	375-A-08-B-1	T	Solid	160.3	
580-51064-22	382-A-01-B-1	T	Solid	160.3	
580-51064-23	394-A-05-B	T	Solid	160.3	
580-51064-24	394-A-07-B	T	Solid	160.3	
580-51064-25	386-A-06-B-1	T	Solid	160.3	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:580-193762					
580-51064-6	TCLP-388-A	T	Solid	160.3	
580-51064-6DU	Duplicate	T	Solid	160.3	
580-51064-7	TCLP-400-DU-A-B	T	Solid	160.3	
580-51064-8	TCLP-396-A	T	Solid	160.3	
580-51064-9	TCLP-387-A	T	Solid	160.3	
580-51064-26	386-A-04-C-1	T	Solid	160.3	
580-51064-27	393-A-01-B-1	T	Solid	160.3	
580-51064-29	393-B-05-B-1	T	Solid	160.3	
580-51064-30	391-A-04-B-1	T	Solid	160.3	
580-51064-31	390-A-04-B-1	T	Solid	160.3	
580-51064-32	392-A-01-B-1	T	Solid	160.3	
580-51064-33	389-A-02-B-1	T	Solid	160.3	
580-51064-34	388-A-02-B-1	T	Solid	160.3	
580-51064-35	388-A-06-D-1	T	Solid	160.3	
580-51064-36	400-B-04-B-1	T	Solid	160.3	
580-51064-37	400-A-03-B-1	T	Solid	160.3	
580-51064-38	396-A-06-B-1	T	Solid	160.3	
580-51064-39	386-A-02-A-1	T	Solid	160.3	
580-51064-40	387-A-04-B-1	T	Solid	160.3	
580-51064-41	TCLP-373-A	T	Solid	160.3	
Analysis Batch:580-193766					
580-51064-42	TCLP-374-A	T	Solid	160.3	
580-51064-42DU	Duplicate	T	Solid	160.3	
580-51064-43	TCLP-375-A	T	Solid	160.3	
580-51064-44	TCLP-376-A	T	Solid	160.3	
580-51064-45	TCLP-377-A	T	Solid	160.3	
580-51064-46	TCLP-377-B	T	Solid	160.3	
580-51064-47	TCLP-381-A	T	Solid	160.3	
580-51064-48	TCLP-382-A	T	Solid	160.3	
580-51064-49	TCLP-383-A	T	Solid	160.3	
580-51064-50	TCLP-386-A	T	Solid	160.3	
580-51064-51	TCLP-390-A	T	Solid	160.3	
580-51064-52	TCLP-394-A	T	Solid	160.3	
580-51064-53	393-A-01-C-1	T	Solid	160.3	

Report Basis

T = Total

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Laboratory Chronicle

Lab ID: 580-51064-1

Client ID: TCLP-393-A

Sample Date/Time: 06/03/2015 14:29 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-1-B		580-193747	580-193639	06/30/2015 14:33	1	TAL SEA	PAB
A:6010B	580-51064-A-1-B		580-193747	580-193639	07/01/2015 10:54	1	TAL SEA	HJM
P:7470A	580-51064-A-1-F		580-193695	580-193644	06/30/2015 14:48	1	TAL SEA	PAB
A:7470A	580-51064-A-1-F		580-193695	580-193644	06/30/2015 18:00	1	TAL SEA	FCW
A:160.3	580-51064-A-1		580-193357		06/26/2015 16:37	1	TAL SEA	CTT

Lab ID: 580-51064-1 MS

Client ID: TCLP-393-A

Sample Date/Time: 06/03/2015 14:29 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-1-D MS		580-193747	580-193639	06/30/2015 14:33	1	TAL SEA	PAB
A:6010B	580-51064-A-1-D MS		580-193747	580-193639	07/01/2015 11:01	1	TAL SEA	HJM
P:7470A	580-51064-A-1-H MS		580-193695	580-193644	06/30/2015 14:48	1	TAL SEA	PAB
A:7470A	580-51064-A-1-H MS		580-193695	580-193644	06/30/2015 18:04	1	TAL SEA	FCW

Lab ID: 580-51064-1 MSD

Client ID: TCLP-393-A

Sample Date/Time: 06/03/2015 14:29 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-1-E MSD		580-193747	580-193639	06/30/2015 14:33	1	TAL SEA	PAB
A:6010B	580-51064-A-1-E MSD		580-193747	580-193639	07/01/2015 11:04	1	TAL SEA	HJM
P:7470A	580-51064-A-1-I MSD		580-193695	580-193644	06/30/2015 14:48	1	TAL SEA	PAB
A:7470A	580-51064-A-1-I MSD		580-193695	580-193644	06/30/2015 18:07	1	TAL SEA	FCW

Lab ID: 580-51064-1 DU

Client ID: TCLP-393-A

Sample Date/Time: 06/03/2015 14:29 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-1-C DU		580-193747	580-193639	06/30/2015 14:33	1	TAL SEA	PAB
A:6010B	580-51064-A-1-C DU		580-193747	580-193639	07/01/2015 10:58	1	TAL SEA	HJM
P:7470A	580-51064-A-1-G DU		580-193695	580-193644	06/30/2015 14:48	1	TAL SEA	PAB
A:7470A	580-51064-A-1-G DU		580-193695	580-193644	06/30/2015 18:02	1	TAL SEA	FCW

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Laboratory Chronicle

Lab ID: 580-51064-1 SD

Client ID: TCLP-393-A

Sample Date/Time: 06/03/2015 14:29 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-1-B SD ^5		580-193747	580-193639	06/30/2015 14:33	5	TAL SEA	PAB
A:6010B	580-51064-A-1-B SD ^5		580-193747	580-193639	07/01/2015 10:51	5	TAL SEA	HJM
P:3010A	580-51064-A-1-B PDS		580-193747	580-193639	06/30/2015 14:33	1	TAL SEA	PAB
A:6010B	580-51064-A-1-B PDS		580-193747	580-193639	07/01/2015 11:07	1	TAL SEA	HJM

Lab ID: 580-51064-2

Client ID: TCLP-393-B-1

Sample Date/Time: 06/04/2015 12:53 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-2-B		580-193747	580-193639	06/30/2015 14:33	1	TAL SEA	PAB
A:6010B	580-51064-A-2-B		580-193747	580-193639	07/01/2015 11:19	1	TAL SEA	HJM
P:7470A	580-51064-A-2-C		580-193695	580-193644	06/30/2015 14:48	1	TAL SEA	PAB
A:7470A	580-51064-A-2-C		580-193695	580-193644	06/30/2015 18:09	1	TAL SEA	FCW
A:160.3	580-51064-A-2		580-193357		06/26/2015 16:37	1	TAL SEA	CTT

Lab ID: 580-51064-3

Client ID: TCLP-391-A-1

Sample Date/Time: 06/04/2015 16:17 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-3-B		580-193747	580-193639	06/30/2015 14:33	1	TAL SEA	PAB
A:6010B	580-51064-A-3-B		580-193747	580-193639	07/01/2015 11:22	1	TAL SEA	HJM
P:7470A	580-51064-A-3-C		580-193695	580-193644	06/30/2015 14:48	1	TAL SEA	PAB
A:7470A	580-51064-A-3-C		580-193695	580-193644	06/30/2015 18:12	1	TAL SEA	FCW
A:160.3	580-51064-A-3		580-193357		06/26/2015 16:37	1	TAL SEA	CTT

Lab ID: 580-51064-4

Client ID: TCLP-392-A

Sample Date/Time: 06/08/2015 14:13 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-4-B		580-194073	580-193902	07/02/2015 14:21	1	TAL SEA	PAB
A:6010B	580-51064-A-4-B		580-194073	580-193902	07/06/2015 11:32	1	TAL SEA	HJM
P:7470A	580-51064-A-4-C		580-194035	580-193904	07/02/2015 14:29	1	TAL SEA	PAB
A:7470A	580-51064-A-4-C		580-194035	580-193904	07/02/2015 17:12	1	TAL SEA	FCW
A:160.3	580-51064-A-4		580-193357		06/26/2015 16:37	1	TAL SEA	CTT

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Laboratory Chronicle

Lab ID: 580-51064-5

Client ID: TCLP-389-A

Sample Date/Time: 06/09/2015 13:30 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-51064-A-5-B		580-194073	580-193902	07/02/2015	14:21	1	TAL SEA	PAB
A:6010B	580-51064-A-5-B		580-194073	580-193902	07/06/2015	11:35	1	TAL SEA	HJM
P:7470A	580-51064-A-5-C		580-194035	580-193904	07/02/2015	14:29	1	TAL SEA	PAB
A:7470A	580-51064-A-5-C		580-194035	580-193904	07/02/2015	17:14	1	TAL SEA	FCW
A:160.3	580-51064-A-5		580-193357		06/26/2015	16:37	1	TAL SEA	CTT

Lab ID: 580-51064-5 DU

Client ID: TCLP-389-A

Sample Date/Time: 06/09/2015 13:30 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
A:160.3	580-51064-A-5 DU		580-193357		06/26/2015	16:37	1	TAL SEA	CTT

Lab ID: 580-51064-6

Client ID: TCLP-388-A

Sample Date/Time: 06/09/2015 17:04 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-51064-A-6-B		580-194073	580-193902	07/02/2015	14:21	1	TAL SEA	PAB
A:6010B	580-51064-A-6-B		580-194073	580-193902	07/06/2015	11:10	1	TAL SEA	HJM
P:7470A	580-51064-A-6-F		580-194035	580-193904	07/02/2015	14:29	1	TAL SEA	PAB
A:7470A	580-51064-A-6-F		580-194035	580-193904	07/02/2015	17:02	1	TAL SEA	FCW
A:160.3	580-51064-A-6		580-193762		07/01/2015	13:12	1	TAL SEA	MKN

Lab ID: 580-51064-6 MS

Client ID: TCLP-388-A

Sample Date/Time: 06/09/2015 17:04 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-51064-A-6-D MS		580-194073	580-193902	07/02/2015	14:21	1	TAL SEA	PAB
A:6010B	580-51064-A-6-D MS		580-194073	580-193902	07/06/2015	11:16	1	TAL SEA	HJM
P:7470A	580-51064-A-6-H MS		580-194035	580-193904	07/02/2015	14:29	1	TAL SEA	PAB
A:7470A	580-51064-A-6-H MS		580-194035	580-193904	07/02/2015	17:07	1	TAL SEA	FCW

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Laboratory Chronicle

Lab ID: 580-51064-6 MSD

Client ID: TCLP-388-A

Sample Date/Time: 06/09/2015 17:04 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-6-E MSD		580-194073	580-193902	07/02/2015 14:21	1	TAL SEA	PAB
A:6010B	580-51064-A-6-E MSD		580-194073	580-193902	07/06/2015 11:19	1	TAL SEA	HJM
P:7470A	580-51064-A-6-I MSD		580-194035	580-193904	07/02/2015 14:29	1	TAL SEA	PAB
A:7470A	580-51064-A-6-I MSD		580-194035	580-193904	07/02/2015 17:09	1	TAL SEA	FCW

Lab ID: 580-51064-6 DU

Client ID: TCLP-388-A

Sample Date/Time: 06/09/2015 17:04 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-6-C DU		580-194073	580-193902	07/02/2015 14:21	1	TAL SEA	PAB
A:6010B	580-51064-A-6-C DU		580-194073	580-193902	07/06/2015 11:13	1	TAL SEA	HJM
P:7470A	580-51064-A-6-G DU		580-194035	580-193904	07/02/2015 14:29	1	TAL SEA	PAB
A:7470A	580-51064-A-6-G DU		580-194035	580-193904	07/02/2015 17:04	1	TAL SEA	FCW
A:160.3	580-51064-A-6 DU		580-193762		07/01/2015 13:12	1	TAL SEA	MKN

Lab ID: 580-51064-6 SD

Client ID: TCLP-388-A

Sample Date/Time: 06/09/2015 17:04 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-6-B SD ^5		580-194073	580-193902	07/02/2015 14:21	5	TAL SEA	PAB
A:6010B	580-51064-A-6-B SD ^5		580-194073	580-193902	07/06/2015 11:06	5	TAL SEA	HJM
P:3010A	580-51064-A-6-B PDS		580-194073	580-193902	07/02/2015 14:21	1	TAL SEA	PAB
A:6010B	580-51064-A-6-B PDS		580-194073	580-193902	07/06/2015 11:22	1	TAL SEA	HJM

Lab ID: 580-51064-7

Client ID: TCLP-400-DU-A-B

Sample Date/Time: 06/10/2015 15:20 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-7-B		580-194073	580-193902	07/02/2015 14:21	1	TAL SEA	PAB
A:6010B	580-51064-A-7-B		580-194073	580-193902	07/06/2015 11:39	1	TAL SEA	HJM
P:7470A	580-51064-A-7-C		580-194035	580-193904	07/02/2015 14:29	1	TAL SEA	PAB
A:7470A	580-51064-A-7-C		580-194035	580-193904	07/02/2015 17:21	1	TAL SEA	FCW
A:160.3	580-51064-A-7		580-193762		07/01/2015 13:12	1	TAL SEA	MKN

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Laboratory Chronicle

Lab ID: 580-51064-8

Client ID: TCLP-396-A

Sample Date/Time: 06/11/2015 14:20 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-8-B		580-194073	580-193902	07/02/2015 14:21	1	TAL SEA	PAB
A:6010B	580-51064-A-8-B		580-194073	580-193902	07/06/2015 11:42	1	TAL SEA	HJM
P:7470A	580-51064-A-8-C		580-194035	580-193904	07/02/2015 14:29	1	TAL SEA	PAB
A:7470A	580-51064-A-8-C		580-194035	580-193904	07/02/2015 17:24	1	TAL SEA	FCW
A:160.3	580-51064-A-8		580-193762		07/01/2015 13:12	1	TAL SEA	MKN

Lab ID: 580-51064-9

Client ID: TCLP-387-A

Sample Date/Time: 05/18/2015 15:30 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-9-B		580-194073	580-193902	07/02/2015 14:21	1	TAL SEA	PAB
A:6010B	580-51064-A-9-B		580-194073	580-193902	07/06/2015 11:45	1	TAL SEA	HJM
P:7470A	580-51064-A-9-C		580-194035	580-193904	07/02/2015 14:29	1	TAL SEA	PAB
A:7470A	580-51064-A-9-C		580-194035	580-193904	07/02/2015 17:26	1	TAL SEA	FCW
A:160.3	580-51064-A-9		580-193762		07/01/2015 13:12	1	TAL SEA	MKN

Lab ID: 580-51064-10

Client ID: 376-A-04-B-1

Sample Date/Time: 05/04/2015 09:31 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-10-B		580-193444	580-193210	06/25/2015 12:32	10	TAL SEA	MKN
A:6020	580-51064-A-10-B		580-193444	580-193210	06/26/2015 14:18	10	TAL SEA	FCW
A:160.3	580-51064-A-10		580-193521		06/29/2015 14:36	1	TAL SEA	PAB

Lab ID: 580-51064-10 MS

Client ID: 376-A-04-B-1

Sample Date/Time: 05/04/2015 09:31 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-10-D MS		580-193444	580-193210	06/25/2015 12:32	50	TAL SEA	MKN
A:6020	580-51064-A-10-D MS		580-193444	580-193210	06/26/2015 14:33	50	TAL SEA	FCW

Lab ID: 580-51064-10 MSD

Client ID: 376-A-04-B-1

Sample Date/Time: 05/04/2015 09:31 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-10-E MSD		580-193444	580-193210	06/25/2015 12:32	50	TAL SEA	MKN
A:6020	580-51064-A-10-E MSD		580-193444	580-193210	06/26/2015 14:40	50	TAL SEA	FCW

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Laboratory Chronicle

Lab ID: 580-51064-10 DU

Client ID: 376-A-04-B-1

Sample Date/Time: 05/04/2015 09:31 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3050B	580-51064-A-10-C DU		580-193444	580-193210	06/25/2015	12:32	10	TAL SEA	MKN
A:6020	580-51064-A-10-C DU		580-193444	580-193210	06/26/2015	14:26	10	TAL SEA	FCW
A:160.3	580-51064-A-10 DU		580-193521		06/29/2015	14:36	1	TAL SEA	PAB

Lab ID: 580-51064-10 SD

Client ID: 376-A-04-B-1

Sample Date/Time: 05/04/2015 09:31 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3050B	580-51064-A-10-B SD		580-193444	580-193210	06/25/2015	12:32	50	TAL SEA	MKN
A:6020	580-51064-A-10-B SD		580-193444	580-193210	06/26/2015	14:11	50	TAL SEA	FCW
P:3050B	580-51064-A-10-B PDS		580-193444	580-193210	06/25/2015	12:32	50	TAL SEA	MKN
A:6020	580-51064-A-10-B PDS		580-193444	580-193210	06/26/2015	14:48	50	TAL SEA	FCW

Lab ID: 580-51064-11

Client ID: 370-B-05-B-1

Sample Date/Time: 05/04/2015 13:31 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3050B	580-51064-A-11-B		580-193444	580-193210	06/25/2015	12:32	10	TAL SEA	MKN
A:6020	580-51064-A-11-B		580-193444	580-193210	06/26/2015	15:10	10	TAL SEA	FCW
A:160.3	580-51064-A-11		580-193521		06/29/2015	14:36	1	TAL SEA	PAB

Lab ID: 580-51064-12

Client ID: 372-A-04-B-1

Sample Date/Time: 05/06/2015 16:46 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3050B	580-51064-A-12-B		580-193444	580-193210	06/25/2015	12:32	10	TAL SEA	MKN
A:6020	580-51064-A-12-B		580-193444	580-193210	06/26/2015	15:17	10	TAL SEA	FCW
A:160.3	580-51064-A-12		580-193521		06/29/2015	14:36	1	TAL SEA	PAB

Lab ID: 580-51064-14

Client ID: 377-B-02-B-1

Sample Date/Time: 05/11/2015 09:38 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3050B	580-51064-A-14-B		580-193444	580-193210	06/25/2015	12:32	10	TAL SEA	MKN
A:6020	580-51064-A-14-B		580-193444	580-193210	06/26/2015	15:25	10	TAL SEA	FCW
A:160.3	580-51064-A-14		580-193521		06/29/2015	14:36	1	TAL SEA	PAB

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Laboratory Chronicle

Lab ID: 580-51064-15

Client ID: 377-A-05-B-1

Sample Date/Time: 05/12/2015 09:18 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-15-B		580-193444	580-193210	06/25/2015 12:32	10	TAL SEA	MKN
A:6020	580-51064-A-15-B		580-193444	580-193210	06/26/2015 15:32	10	TAL SEA	FCW
A:160.3	580-51064-A-15		580-193521		06/29/2015 14:36	1	TAL SEA	PAB

Lab ID: 580-51064-16

Client ID: 383-A-04-B-1

Sample Date/Time: 05/12/2015 13:24 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-16-B		580-193444	580-193210	06/25/2015 12:32	10	TAL SEA	MKN
A:6020	580-51064-A-16-B		580-193444	580-193210	06/26/2015 15:39	10	TAL SEA	FCW
A:160.3	580-51064-A-16		580-193521		06/29/2015 14:36	1	TAL SEA	PAB

Lab ID: 580-51064-17

Client ID: 381-A-01-B-1

Sample Date/Time: 05/13/2015 10:45 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-17-B		580-193444	580-193210	06/25/2015 12:32	10	TAL SEA	MKN
A:6020	580-51064-A-17-B		580-193444	580-193210	06/26/2015 15:47	10	TAL SEA	FCW
A:160.3	580-51064-A-17		580-193521		06/29/2015 14:36	1	TAL SEA	PAB

Lab ID: 580-51064-18

Client ID: 374-A-05-B1

Sample Date/Time: 05/14/2015 10:30 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-18-B		580-193444	580-193210	06/25/2015 12:32	10	TAL SEA	MKN
A:6020	580-51064-A-18-B		580-193444	580-193210	06/26/2015 15:54	10	TAL SEA	FCW
A:160.3	580-51064-A-18		580-193521		06/29/2015 14:36	1	TAL SEA	PAB

Lab ID: 580-51064-19

Client ID: 373-A-04-B-1

Sample Date/Time: 05/14/2015 14:51 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-19-B		580-193444	580-193210	06/25/2015 12:32	10	TAL SEA	MKN
A:6020	580-51064-A-19-B		580-193444	580-193210	06/26/2015 16:01	10	TAL SEA	FCW
A:160.3	580-51064-A-19		580-193521		06/29/2015 14:36	1	TAL SEA	PAB

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Laboratory Chronicle

Lab ID: 580-51064-20

Client ID: 375-A-05-B-1

Sample Date/Time: 05/20/2015 09:37 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-20-B		580-193444	580-193210	06/25/2015 12:32	10	TAL SEA	MKN
A:6020	580-51064-A-20-B		580-193444	580-193210	06/26/2015 16:09	10	TAL SEA	FCW
A:160.3	580-51064-A-20		580-193521		06/29/2015 14:36	1	TAL SEA	PAB

Lab ID: 580-51064-21

Client ID: 375-A-08-B-1

Sample Date/Time: 05/20/2015 10:06 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-21-B		580-193444	580-193210	06/25/2015 12:32	10	TAL SEA	MKN
A:6020	580-51064-A-21-B		580-193444	580-193210	06/26/2015 16:16	10	TAL SEA	FCW
A:160.3	580-51064-A-21		580-193521		06/29/2015 14:36	1	TAL SEA	PAB

Lab ID: 580-51064-22

Client ID: 382-A-01-B-1

Sample Date/Time: 05/20/2015 13:49 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-22-B		580-193444	580-193210	06/25/2015 12:32	10	TAL SEA	MKN
A:6020	580-51064-A-22-B		580-193444	580-193210	06/26/2015 16:38	10	TAL SEA	FCW
A:160.3	580-51064-A-22		580-193521		06/29/2015 14:36	1	TAL SEA	PAB

Lab ID: 580-51064-23

Client ID: 394-A-05-B

Sample Date/Time: 05/26/2015 11:03 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-23-B		580-193444	580-193210	06/25/2015 12:32	10	TAL SEA	MKN
A:6020	580-51064-A-23-B		580-193444	580-193210	06/26/2015 16:46	10	TAL SEA	FCW
A:160.3	580-51064-A-23		580-193521		06/29/2015 14:36	1	TAL SEA	PAB

Lab ID: 580-51064-24

Client ID: 394-A-07-B

Sample Date/Time: 05/26/2015 11:34 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-24-B		580-193444	580-193210	06/25/2015 12:32	10	TAL SEA	MKN
A:6020	580-51064-A-24-B		580-193444	580-193210	06/26/2015 16:53	10	TAL SEA	FCW
A:160.3	580-51064-A-24		580-193521		06/29/2015 14:36	1	TAL SEA	PAB

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Laboratory Chronicle

Lab ID: 580-51064-25

Client ID: 386-A-06-B-1

Sample Date/Time: 06/01/2015 09:40 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-25-B		580-193444	580-193210	06/25/2015 12:32	10	TAL SEA	MKN
A:6020	580-51064-A-25-B		580-193444	580-193210	06/26/2015 17:00	10	TAL SEA	FCW
A:160.3	580-51064-A-25		580-193521		06/29/2015 14:36	1	TAL SEA	PAB

Lab ID: 580-51064-26

Client ID: 386-A-04-C-1

Sample Date/Time: 06/01/2015 09:19 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-26-B		580-193638	580-193216	06/25/2015 13:18	10	TAL SEA	MKN
A:6020	580-51064-A-26-B		580-193638	580-193216	06/29/2015 22:00	10	TAL SEA	FCW
A:160.3	580-51064-A-26		580-193762		07/01/2015 13:12	1	TAL SEA	MKN

Lab ID: 580-51064-26 MS

Client ID: 386-A-04-C-1

Sample Date/Time: 06/01/2015 09:19 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-26-D MS		580-193638	580-193216	06/25/2015 13:18	50	TAL SEA	MKN
A:6020	580-51064-A-26-D MS		580-193638	580-193216	06/29/2015 22:08	50	TAL SEA	FCW

Lab ID: 580-51064-26 MSD

Client ID: 386-A-04-C-1

Sample Date/Time: 06/01/2015 09:19 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-26-E MSD		580-193638	580-193216	06/25/2015 13:18	50	TAL SEA	MKN
A:6020	580-51064-A-26-E MSD		580-193638	580-193216	06/29/2015 22:12	50	TAL SEA	FCW

Lab ID: 580-51064-26 DU

Client ID: 386-A-04-C-1

Sample Date/Time: 06/01/2015 09:19 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-26-C DU		580-193638	580-193216	06/25/2015 13:18	10	TAL SEA	MKN
A:6020	580-51064-A-26-C DU		580-193638	580-193216	06/29/2015 22:04	10	TAL SEA	FCW

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Laboratory Chronicle

Lab ID: 580-51064-26 SD

Client ID: 386-A-04-C-1

Sample Date/Time: 06/01/2015 09:19 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-26-B SD		580-193638	580-193216	06/25/2015 13:18	50	TAL SEA	MKN
A:6020	580-51064-A-26-B SD		580-193638	580-193216	06/29/2015 21:55	50	TAL SEA	FCW
P:3050B	580-51064-A-26-B PDS		580-193638	580-193216	06/25/2015 13:18	50	TAL SEA	MKN
A:6020	580-51064-A-26-B PDS		580-193638	580-193216	06/29/2015 22:16	50	TAL SEA	FCW

Lab ID: 580-51064-27

Client ID: 393-A-01-B-1

Sample Date/Time: 06/03/2015 09:50 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-27-B		580-193638	580-193216	06/25/2015 13:18	10	TAL SEA	MKN
A:6020	580-51064-A-27-B		580-193638	580-193216	06/29/2015 22:29	10	TAL SEA	FCW
A:160.3	580-51064-A-27		580-193762		07/01/2015 13:12	1	TAL SEA	MKN

Lab ID: 580-51064-29

Client ID: 393-B-05-B-1

Sample Date/Time: 06/04/2015 10:40 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-29-B		580-193638	580-193216	06/25/2015 13:18	10	TAL SEA	MKN
A:6020	580-51064-A-29-B		580-193638	580-193216	06/29/2015 22:33	10	TAL SEA	FCW
A:160.3	580-51064-A-29		580-193762		07/01/2015 13:12	1	TAL SEA	MKN

Lab ID: 580-51064-30

Client ID: 391-A-04-B-1

Sample Date/Time: 06/04/2015 14:47 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-30-B		580-193638	580-193216	06/25/2015 13:18	10	TAL SEA	MKN
A:6020	580-51064-A-30-B		580-193638	580-193216	06/29/2015 22:37	10	TAL SEA	FCW
A:160.3	580-51064-A-30		580-193762		07/01/2015 13:12	1	TAL SEA	MKN

Lab ID: 580-51064-31

Client ID: 390-A-04-B-1

Sample Date/Time: 06/01/2015 15:16 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-31-B		580-193638	580-193216	06/25/2015 13:18	10	TAL SEA	MKN
A:6020	580-51064-A-31-B		580-193638	580-193216	06/29/2015 22:41	10	TAL SEA	FCW
A:160.3	580-51064-A-31		580-193762		07/01/2015 13:12	1	TAL SEA	MKN

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Laboratory Chronicle

Lab ID: 580-51064-32

Client ID: 392-A-01-B-1

Sample Date/Time: 06/08/2015 09:43 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-32-B		580-193638	580-193216	06/25/2015 13:18	10	TAL SEA	MKN
A:6020	580-51064-A-32-B		580-193638	580-193216	06/29/2015 22:45	10	TAL SEA	FCW
A:160.3	580-51064-A-32		580-193762		07/01/2015 13:12	1	TAL SEA	MKN

Lab ID: 580-51064-33

Client ID: 389-A-02-B-1

Sample Date/Time: 06/09/2015 10:10 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-33-B		580-193638	580-193216	06/25/2015 13:18	10	TAL SEA	MKN
A:6020	580-51064-A-33-B		580-193638	580-193216	06/29/2015 22:49	10	TAL SEA	FCW
A:160.3	580-51064-A-33		580-193762		07/01/2015 13:12	1	TAL SEA	MKN

Lab ID: 580-51064-34

Client ID: 388-A-02-B-1

Sample Date/Time: 06/09/2015 14:24 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-34-B		580-193638	580-193216	06/25/2015 13:18	10	TAL SEA	MKN
A:6020	580-51064-A-34-B		580-193638	580-193216	06/29/2015 22:53	10	TAL SEA	FCW
A:160.3	580-51064-A-34		580-193762		07/01/2015 13:12	1	TAL SEA	MKN

Lab ID: 580-51064-35

Client ID: 388-A-06-D-1

Sample Date/Time: 06/09/2015 15:25 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-35-B		580-193638	580-193216	06/25/2015 13:18	10	TAL SEA	MKN
A:6020	580-51064-A-35-B		580-193638	580-193216	06/29/2015 22:57	10	TAL SEA	FCW
A:160.3	580-51064-A-35		580-193762		07/01/2015 13:12	1	TAL SEA	MKN

Lab ID: 580-51064-36

Client ID: 400-B-04-B-1

Sample Date/Time: 06/10/2015 10:15 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-36-B		580-193638	580-193216	06/25/2015 13:18	10	TAL SEA	MKN
A:6020	580-51064-A-36-B		580-193638	580-193216	06/29/2015 23:01	10	TAL SEA	FCW
A:160.3	580-51064-A-36		580-193762		07/01/2015 13:12	1	TAL SEA	MKN

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Laboratory Chronicle

Lab ID: 580-51064-37

Client ID: 400-A-03-B-1

Sample Date/Time: 06/10/2015 11:52 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-37-B		580-193638	580-193216	06/25/2015 13:18	10	TAL SEA	MKN
A:6020	580-51064-A-37-B		580-193638	580-193216	06/29/2015 23:18	10	TAL SEA	FCW
A:160.3	580-51064-A-37		580-193762		07/01/2015 13:12	1	TAL SEA	MKN

Lab ID: 580-51064-38

Client ID: 396-A-06-B-1

Sample Date/Time: 06/11/2015 11:49 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-38-B		580-193638	580-193216	06/25/2015 13:18	10	TAL SEA	MKN
A:6020	580-51064-A-38-B		580-193638	580-193216	06/29/2015 23:22	10	TAL SEA	FCW
A:160.3	580-51064-A-38		580-193762		07/01/2015 13:12	1	TAL SEA	MKN

Lab ID: 580-51064-39

Client ID: 386-A-02-A-1

Sample Date/Time: 06/01/2015 09:00 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-39-B		580-193638	580-193216	06/25/2015 13:18	10	TAL SEA	MKN
A:6020	580-51064-A-39-B		580-193638	580-193216	06/29/2015 23:26	10	TAL SEA	FCW
A:160.3	580-51064-A-39		580-193762		07/01/2015 13:12	1	TAL SEA	MKN

Lab ID: 580-51064-40

Client ID: 387-A-04-B-1

Sample Date/Time: 06/18/2015 12:56 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-40-B		580-193638	580-193216	06/25/2015 13:18	10	TAL SEA	MKN
A:6020	580-51064-A-40-B		580-193638	580-193216	06/29/2015 23:30	10	TAL SEA	FCW
A:160.3	580-51064-A-40		580-193762		07/01/2015 13:12	1	TAL SEA	MKN

Lab ID: 580-51064-41

Client ID: TCLP-373-A

Sample Date/Time: 05/14/2015 17:10 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-41-B		580-194073	580-193902	07/02/2015 14:21	1	TAL SEA	PAB
A:6010B	580-51064-A-41-B		580-194073	580-193902	07/06/2015 11:49	1	TAL SEA	HJM
P:7470A	580-51064-A-41-C		580-194035	580-193904	07/02/2015 14:29	1	TAL SEA	PAB
A:7470A	580-51064-A-41-C		580-194035	580-193904	07/02/2015 17:28	1	TAL SEA	FCW
A:160.3	580-51064-A-41		580-193762		07/01/2015 13:12	1	TAL SEA	MKN

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Laboratory Chronicle

Lab ID: 580-51064-42

Client ID: TCLP-374-A

Sample Date/Time: 05/14/2015 12:42 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-42-B		580-194073	580-193902	07/02/2015 14:21	1	TAL SEA	PAB
A:6010B	580-51064-A-42-B		580-194073	580-193902	07/06/2015 11:52	1	TAL SEA	HJM
P:7470A	580-51064-A-42-C		580-194035	580-193904	07/02/2015 14:29	1	TAL SEA	PAB
A:7470A	580-51064-A-42-C		580-194035	580-193904	07/02/2015 17:31	1	TAL SEA	FCW
A:160.3	580-51064-A-42		580-193766		07/01/2015 13:44	1	TAL SEA	MKN

Lab ID: 580-51064-42 DU

Client ID: TCLP-374-A

Sample Date/Time: 05/14/2015 12:42 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:160.3	580-51064-A-42 DU		580-193766		07/01/2015 13:44	1	TAL SEA	MKN

Lab ID: 580-51064-43

Client ID: TCLP-375-A

Sample Date/Time: 05/20/2015 12:15 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-43-B		580-194073	580-193902	07/02/2015 14:21	1	TAL SEA	PAB
A:6010B	580-51064-A-43-B		580-194073	580-193902	07/06/2015 12:01	1	TAL SEA	HJM
P:7470A	580-51064-A-43-C		580-194035	580-193904	07/02/2015 14:29	1	TAL SEA	PAB
A:7470A	580-51064-A-43-C		580-194035	580-193904	07/02/2015 17:33	1	TAL SEA	FCW
A:160.3	580-51064-A-43		580-193766		07/01/2015 13:44	1	TAL SEA	MKN

Lab ID: 580-51064-44

Client ID: TCLP-376-A

Sample Date/Time: 05/04/2015 15:12 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-44-B		580-194073	580-193902	07/02/2015 14:21	1	TAL SEA	PAB
A:6010B	580-51064-A-44-B		580-194073	580-193902	07/06/2015 12:05	1	TAL SEA	HJM
P:7470A	580-51064-A-44-C		580-194035	580-193904	07/02/2015 14:29	1	TAL SEA	PAB
A:7470A	580-51064-A-44-C		580-194035	580-193904	07/02/2015 17:35	1	TAL SEA	FCW
A:160.3	580-51064-A-44		580-193766		07/01/2015 13:44	1	TAL SEA	MKN

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Laboratory Chronicle

Lab ID: 580-51064-45

Client ID: TCLP-377-A

Sample Date/Time: 05/12/2015 10:39 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-45-B		580-194073	580-193902	07/02/2015 14:21	1	TAL SEA	PAB
A:6010B	580-51064-A-45-B		580-194073	580-193902	07/06/2015 12:08	1	TAL SEA	HJM
P:7470A	580-51064-A-45-C		580-194035	580-193904	07/02/2015 14:29	1	TAL SEA	PAB
A:7470A	580-51064-A-45-C		580-194035	580-193904	07/02/2015 17:38	1	TAL SEA	FCW
A:160.3	580-51064-A-45		580-193766		07/01/2015 13:44	1	TAL SEA	MKN

Lab ID: 580-51064-46

Client ID: TCLP-377-B

Sample Date/Time: 05/11/2015 12:14 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-46-B		580-194073	580-193902	07/02/2015 14:21	1	TAL SEA	PAB
A:6010B	580-51064-A-46-B		580-194073	580-193902	07/06/2015 12:11	1	TAL SEA	HJM
P:7470A	580-51064-A-46-C		580-194035	580-193904	07/02/2015 14:29	1	TAL SEA	PAB
A:7470A	580-51064-A-46-C		580-194035	580-193904	07/02/2015 17:40	1	TAL SEA	FCW
A:160.3	580-51064-A-46		580-193766		07/01/2015 13:44	1	TAL SEA	MKN

Lab ID: 580-51064-47

Client ID: TCLP-381-A

Sample Date/Time: 05/15/2015 12:00 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-47-B		580-194073	580-193902	07/02/2015 14:22	1	TAL SEA	PAB
A:6010B	580-51064-A-47-B		580-194073	580-193902	07/06/2015 12:15	1	TAL SEA	HJM
P:7470A	580-51064-A-47-C		580-194035	580-193904	07/02/2015 14:29	1	TAL SEA	PAB
A:7470A	580-51064-A-47-C		580-194035	580-193904	07/02/2015 17:43	1	TAL SEA	FCW
A:160.3	580-51064-A-47		580-193766		07/01/2015 13:44	1	TAL SEA	MKN

Lab ID: 580-51064-48

Client ID: TCLP-382-A

Sample Date/Time: 05/20/2015 16:01 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-48-B		580-194073	580-193902	07/02/2015 14:22	1	TAL SEA	PAB
A:6010B	580-51064-A-48-B		580-194073	580-193902	07/06/2015 12:18	1	TAL SEA	HJM
P:7470A	580-51064-A-48-C		580-194035	580-193904	07/02/2015 14:29	1	TAL SEA	PAB
A:7470A	580-51064-A-48-C		580-194035	580-193904	07/02/2015 17:50	1	TAL SEA	FCW
A:160.3	580-51064-A-48		580-193766		07/01/2015 13:44	1	TAL SEA	MKN

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Laboratory Chronicle

Lab ID: 580-51064-49

Client ID: TCLP-383-A

Sample Date/Time: 05/12/2015 16:30 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-49-B		580-194073	580-193902	07/02/2015 14:22	1	TAL SEA	PAB
A:6010B	580-51064-A-49-B		580-194073	580-193902	07/06/2015 12:21	1	TAL SEA	HJM
P:7470A	580-51064-A-49-C		580-194035	580-193904	07/02/2015 14:29	1	TAL SEA	PAB
A:7470A	580-51064-A-49-C		580-194035	580-193904	07/02/2015 17:52	1	TAL SEA	FCW
A:160.3	580-51064-A-49		580-193766		07/01/2015 13:44	1	TAL SEA	MKN

Lab ID: 580-51064-50

Client ID: TCLP-386-A

Sample Date/Time: 06/01/2015 12:52 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-50-B		580-193747	580-193639	06/30/2015 14:33	1	TAL SEA	PAB
A:6010B	580-51064-A-50-B		580-193747	580-193639	07/01/2015 11:26	1	TAL SEA	HJM
P:7470A	580-51064-A-50-C		580-193695	580-193644	06/30/2015 14:48	1	TAL SEA	PAB
A:7470A	580-51064-A-50-C		580-193695	580-193644	06/30/2015 18:19	1	TAL SEA	FCW
A:160.3	580-51064-A-50		580-193766		07/01/2015 13:44	1	TAL SEA	MKN

Lab ID: 580-51064-51

Client ID: TCLP-390-A

Sample Date/Time: 05/01/2015 16:46 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-51-B		580-194073	580-193902	07/02/2015 14:22	1	TAL SEA	PAB
A:6010B	580-51064-A-51-B		580-194073	580-193902	07/06/2015 12:25	1	TAL SEA	HJM
P:7470A	580-51064-A-51-C		580-194035	580-193904	07/02/2015 14:29	1	TAL SEA	PAB
A:7470A	580-51064-A-51-C		580-194035	580-193904	07/02/2015 17:54	1	TAL SEA	FCW
A:160.3	580-51064-A-51		580-193766		07/01/2015 13:44	1	TAL SEA	MKN

Lab ID: 580-51064-52

Client ID: TCLP-394-A

Sample Date/Time: 05/26/2015 14:25 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	580-51064-A-52-B		580-194073	580-193902	07/02/2015 14:22	1	TAL SEA	PAB
A:6010B	580-51064-A-52-B		580-194073	580-193902	07/06/2015 12:29	1	TAL SEA	HJM
P:7470A	580-51064-A-52-C		580-194035	580-193904	07/02/2015 14:29	1	TAL SEA	PAB
A:7470A	580-51064-A-52-C		580-194035	580-193904	07/02/2015 17:57	1	TAL SEA	FCW
A:160.3	580-51064-A-52		580-193766		07/01/2015 13:44	1	TAL SEA	MKN

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Laboratory Chronicle

Lab ID: 580-51064-53

Client ID: 393-A-01-C-1

Sample Date/Time: 06/03/2015 09:50 Received Date/Time: 06/19/2015 11:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51064-A-53-B		580-193638	580-193216	06/25/2015 13:18	10	TAL SEA	MKN
A:6020	580-51064-A-53-B		580-193638	580-193216	06/29/2015 23:34	10	TAL SEA	FCW
A:160.3	580-51064-A-53		580-193766		07/01/2015 13:44	1	TAL SEA	MKN

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	MB 580-193544/1-B		580-193747	580-193639	06/30/2015 14:34	1	TAL SEA	PAB
A:6010B	MB 580-193544/1-B		580-193747	580-193639	07/01/2015 10:39	1	TAL SEA	HJM
P:3010A	MB 580-193796/1-B		580-194073	580-193902	07/02/2015 14:22	1	TAL SEA	PAB
A:6010B	MB 580-193796/1-B		580-194073	580-193902	07/06/2015 10:54	1	TAL SEA	HJM
P:3050B	MB 580-193210/19-A		580-193444	580-193210	06/25/2015 12:32	10	TAL SEA	MKN
A:6020	MB 580-193210/19-A		580-193444	580-193210	06/26/2015 13:41	10	TAL SEA	FCW
P:3050B	MB 580-193216/19-A		580-193638	580-193216	06/25/2015 13:18	10	TAL SEA	MKN
A:6020	MB 580-193216/19-A		580-193638	580-193216	06/29/2015 21:39	10	TAL SEA	FCW
P:7470A	MB 580-193544/1-C		580-193695	580-193644	06/30/2015 14:48	1	TAL SEA	PAB
A:7470A	MB 580-193544/1-C		580-193695	580-193644	06/30/2015 17:50	1	TAL SEA	FCW
P:7470A	MB 580-193796/1-C		580-194035	580-193904	07/02/2015 14:29	1	TAL SEA	PAB
A:7470A	MB 580-193796/1-C		580-194035	580-193904	07/02/2015 16:53	1	TAL SEA	FCW

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	LCS 580-193544/2-B		580-193747	580-193639	06/30/2015 14:34	1	TAL SEA	PAB
A:6010B	LCS 580-193544/2-B		580-193747	580-193639	07/01/2015 10:42	1	TAL SEA	HJM
P:3010A	LCS 580-193796/2-B		580-194073	580-193902	07/02/2015 14:22	1	TAL SEA	PAB
A:6010B	LCS 580-193796/2-B		580-194073	580-193902	07/06/2015 10:57	1	TAL SEA	HJM
P:3050B	LCS 580-193210/20-A		580-193444	580-193210	06/25/2015 12:32	50	TAL SEA	MKN
A:6020	LCS 580-193210/20-A		580-193444	580-193210	06/26/2015 13:49	50	TAL SEA	FCW
P:3050B	LCS 580-193216/20-A		580-193638	580-193216	06/25/2015 13:18	50	TAL SEA	MKN
A:6020	LCS 580-193216/20-A		580-193638	580-193216	06/29/2015 21:43	50	TAL SEA	FCW
P:7470A	LCS 580-193544/2-C		580-193695	580-193644	06/30/2015 14:48	1	TAL SEA	PAB
A:7470A	LCS 580-193544/2-C		580-193695	580-193644	06/30/2015 17:52	1	TAL SEA	FCW
P:7470A	LCS 580-193796/2-C		580-194035	580-193904	07/02/2015 14:29	1	TAL SEA	PAB
A:7470A	LCS 580-193796/2-C		580-194035	580-193904	07/02/2015 16:55	1	TAL SEA	FCW

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Laboratory Chronicle

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	LCSD 580-193544/3-B		580-193747	580-193639	06/30/2015 14:34	1	TAL SEA	PAB
A:6010B	LCSD 580-193544/3-B		580-193747	580-193639	07/01/2015 10:45	1	TAL SEA	HJM
P:3010A	LCSD 580-193796/3-B		580-194073	580-193902	07/02/2015 14:22	1	TAL SEA	PAB
A:6010B	LCSD 580-193796/3-B		580-194073	580-193902	07/06/2015 11:00	1	TAL SEA	HJM
P:3050B	LCSD 580-193210/21-A		580-193444	580-193210	06/25/2015 12:32	50	TAL SEA	MKN
A:6020	LCSD 580-193210/21-A		580-193444	580-193210	06/26/2015 13:56	50	TAL SEA	FCW
P:3050B	LCSD 580-193216/21-A		580-193638	580-193216	06/25/2015 13:18	50	TAL SEA	MKN
A:6020	LCSD 580-193216/21-A		580-193638	580-193216	06/29/2015 21:47	50	TAL SEA	FCW
P:7470A	LCSD 580-193544/3-C		580-193695	580-193644	06/30/2015 14:48	1	TAL SEA	PAB
A:7470A	LCSD 580-193544/3-C		580-193695	580-193644	06/30/2015 17:55	1	TAL SEA	FCW
P:7470A	LCSD 580-193796/3-C		580-194035	580-193904	07/02/2015 14:29	1	TAL SEA	PAB
A:7470A	LCSD 580-193796/3-C		580-194035	580-193904	07/02/2015 16:57	1	TAL SEA	FCW

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51064-1

Laboratory Chronicle

Lab ID: LCSSRM

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:6010B	LCSSRM 580-193544/15-A		580-193747		07/01/2015 10:48	1	TAL SEA	HJM
P:3010A	LCSSRM 580-193902/24-A		580-194073	580-193902	07/02/2015 14:22	1	TAL SEA	PAB
A:6010B	LCSSRM 580-193902/24-A		580-194073	580-193902	07/06/2015 11:03	1	TAL SEA	HJM
P:3050B	LCSSRM 580-193210/22-A		580-193444	580-193210	06/25/2015 12:32	50	TAL SEA	MKN
A:6020	LCSSRM 580-193210/22-A		580-193444	580-193210	06/26/2015 14:04	50	TAL SEA	FCW
P:3050B	LCSSRM 580-193216/22-A		580-193638	580-193216	06/25/2015 13:18	50	TAL SEA	MKN
A:6020	LCSSRM 580-193216/22-A		580-193638	580-193216	06/29/2015 21:51	50	TAL SEA	FCW
P:7470A	LCSSRM 580-193544/15-C		580-193695	580-193644	06/30/2015 14:48	1	TAL SEA	PAB
A:7470A	LCSSRM 580-193544/15-C		580-193695	580-193644	06/30/2015 17:57	1	TAL SEA	FCW
P:7470A	LCSSRM 580-193904/24-A		580-194035	580-193904	07/02/2015 14:29	1	TAL SEA	PAB
A:7470A	LCSSRM 580-193904/24-A		580-194035	580-193904	07/02/2015 17:00	1	TAL SEA	FCW

Lab References:

TAL SEA = TestAmerica Seattle

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration					
					Reagent ID	Volume Added							
Hg_CAL_WORK_00026	09/16/15	06/16/15	H2O, Lot standard	1000 mg/L	Hg_CAL_STOCK_00002	1 mL	Mercury	0.1 mg/L					
.Hg CAL STOCK 00002	11/30/18	AccuStandard, Lot 213115080			(Purchased Reagent)		Mercury	100 mg/L					
Hg_ICV_WORK_00029	09/16/15	06/16/15	H2O, Lot standard	1000 mg/L	Hg_ICV_STOCK_00005	1 mL	Mercury	0.1 mg/L					
.Hg ICV STOCK 00005	02/01/16	INORGANIC VENTURES, Lot G2-HG02113			(Purchased Reagent)		Mercury	100 mg/L					
ICP_CCV_00065	08/01/15	06/22/15	DI, Lot NA	2000 mL	ICP Std SolnB_00005	4 mL	Cadmium	1 mg/L					
							Chromium	1 mg/L					
					ICP Std SolnC_00005	4 mL	Arsenic	5 mg/L					
							Barium	5 mg/L					
							Lead	5 mg/L					
							Selenium	5 mg/L					
.ICP Std SolnB_00005	08/01/15	ESI, Lot 1420418		(Purchased Reagent)		Silver	0.5 mg/L						
						Cadmium	500 ug/mL						
.ICP Std SolnC_00005	08/01/15	CPI, Lot 1420501		(Purchased Reagent)		Chromium	500 ug/mL						
						Arsenic	2500 ug/mL						
						Barium	2500 ug/mL						
						Lead	2500 ug/mL						
						Selenium	2500 ug/mL						
						Silver	250 ug/mL						
ICP_ICSA_00069	11/19/15	06/08/15	DI, Lot NA	500 mL	ICP_ICSA_00065	50 mL	Al	500 mg/L					
							Ca	500 mg/L					
							Fe	500 mg/L					
							Mg	500 mg/L					
.ICP_ICSA_00065	11/19/15	Elemental Scientific, Lot 1427502		(Purchased Reagent)		Al	5000 ug/mL						
						Ca	5000 ug/mL						
						Fe	5000 ug/mL						
						Mg	5000 ug/mL						
ICP_ICSAB_00057	11/19/15	06/08/15	H2O, Lot NA	500 mL	ICP_ICSA_00065	50 mL	Al	500 mg/L					
							Ca	500 mg/L					
							Fe	500 mg/L					
							Mg	500 mg/L					
					ICP_ICSAB_1_00002						5 mL	Arsenic	10 mg/L
												Barium	3 mg/L
												Be	1 mg/L
												Cadmium	3 mg/L
												Chromium	3 mg/L
												Co	3 mg/L
												Cu	3 mg/L
												K	200 mg/L
												Lead	10 mg/L
												Mn	2 mg/L
												Ni	3 mg/L
												Tl	10 mg/L
V	3 mg/L												
Zn	3 mg/L												

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					ICP ICSAB 2_00002	5 mL	Sb	10 mg/L
					ICP ICSAB 3_00002	5 mL	B	5 mg/L
							Mo	3 mg/L
							Si	2.5 mg/L
.ICP ICSA_00065	11/19/15		Elemental Scientific, Lot 1427502		ICP ICSAB 4_00002	5 mL	Ti	10 mg/L
							Silver	3 mg/L
							Al	5000 ug/mL
							Ca	5000 ug/mL
.ICP ICSAB 1_00002	11/19/15		ESI elemental Scientific, Lot 1419502				Fe	5000 ug/mL
							Mg	5000 ug/mL
							Arsenic	1000 ug/mL
							Barium	300 ug/mL
							Be	100 ug/mL
							Cadmium	300 ug/mL
							Chromium	300 ug/mL
							Co	300 ug/mL
							Cu	300 ug/mL
							K	20000 ug/mL
							Lead	1000 ug/mL
							Mn	200 ug/mL
							Ni	300 ug/mL
.ICP ICSAB 2_00002	11/19/15		ESI elemental scientific, Lot 1429301				Tl	1000 ug/mL
							V	300 ug/mL
.ICP ICSAB 3_00002	11/19/15		ESI elemental scientific, Lot 1417701				Zn	300 ug/mL
.ICP ICSAB 4_00002	11/19/15		ESI elemental scientific, Lot 1415425				Sb	1000 ug/mL
							B	500 ug/mL
							Mo	300 ug/mL
							Si	250 ug/mL
ICP ICV-2_00050	07/30/15	06/22/15	H2O, Lot NA	500 mL	ICP-ICV-1_00004	2.5 mL	Ti	1000 ug/mL
							Silver	300 ug/mL
							Barium	0.25 mg/L
							Cadmium	0.25 mg/L
							Chromium	1 mg/L
.ICP-ICV-1_00004	07/30/15		Spex, Lot 11-109YP				Lead	1 mg/L
							Silver	0.5 mg/L
.ICP-ICV-2_00004	07/30/15		Spex, Lot 11-110YP				Arsenic	2.5 mg/L
							Selenium	5 mg/L
							Barium	50 mg/L
							Cadmium	50 mg/L
							Chromium	200 mg/L
ICP-RL_00030	11/19/15	06/22/15	DI, Lot NA	1000 mL	ICP RL SolnA_00004	1 mL	Lead	200 mg/L
							Silver	200 mg/L
							Arsenic	100 mg/L
							Selenium	1000 mg/L
							Barium	0.01 mg/L
							Cadmium	0.01 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chromium	0.025 mg/L
							Lead	0.03 mg/L
							Selenium	0.1 mg/L
					ICP RL SolnB 00004	1 mL	Silver	0.05 mg/L
.ICP RL SolnA_00004	11/19/15		Elemental Scientific, Lot 1431835		(Purchased Reagent)		Arsenic	60 mg/L
							Barium	10 mg/L
							Cadmium	10 mg/L
							Chromium	25 mg/L
							Lead	30 mg/L
							Selenium	100 mg/L
.ICP RL SolnB 00004	11/19/15		Elemental Science, Lot 1431836		(Purchased Reagent)		Silver	50 mg/L
ICPMS CAL #4 00011	06/30/15	03/30/15	H2O, Lot 020713	1000 mL	ICPMS-CAL 00001	5 mL	Arsenic	50 ug/L
.ICPMS-CAL_00001	01/01/16		CPI, Lot 1068277		(Purchased Reagent)		Arsenic	10 mg/L
ICPMS ICV 00013	06/30/15	03/30/15	H2O, Lot 122713	1000 mL	ICPMS-ICV1_00001	4 mL	Arsenic	40 ug/L
.ICPMS-ICV1_00001	12/17/15		High-Purity Standards, Lot 1415508		(Purchased Reagent)		Arsenic	10 mg/L
ICPMS RL_00017	06/30/15	03/30/15	H2O, Lot 020713	1000 mL	ICPMS-CAL 00001	0.2 mL	Arsenic	5 ug/L
					ICPMS RL SPK 00007	1 mL	Arsenic	5 ug/L
.ICPMS-CAL_00001	01/01/16		CPI, Lot 1068277		(Purchased Reagent)		Arsenic	10 mg/L
.ICPMS RL SPK 00007	09/30/15	07/08/14	H2O, Lot 053013	1000 mL	As-1000_00002	3 mL	Arsenic	3 ug/mL
..As-1000_00002	06/30/16		AccuStandard, Lot 209075065-01		(Purchased Reagent)		Arsenic	1000 mg/L
ICPMS- ICSA_00008	12/01/15		Inorganic Ventures, Lot g2-meb503046		(Purchased Reagent)		Al	1000 ug/mL
							Ca	3000 ug/mL
							Fe	2500 ug/mL
							K	1000 ug/mL
							Mg	1000 ug/mL
							Mo	20 ug/mL
							Na	2500 ug/mL
							P	1000 ug/mL
							Ti	20 ug/mL
ICPMS-ICSB_00008	12/01/15		Inorganic Ventures, Lot f2-meb429070		(Purchased Reagent)		Arsenic	10 ug/mL
							Cadmium	10 ug/mL
							Chromium	20 ug/mL
							Co	20 ug/mL
							Cu	20 ug/mL
							Mn	20 ug/mL
							Ni	20 ug/mL
							Selenium	10 ug/mL
							Silver	5 ug/mL
							V	20 ug/mL
							Zn	10 ug/mL
m-GPS-1_00037	03/01/16		Ibis Scientific, Lot 1073986		(Purchased Reagent)		Al	500 ppm
							Arsenic	200 ppm
							Barium	200 ppm
							Be	5 ppm
							Cadmium	5 ppm
							Chromium	20 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Co	50 ppm
							Cu	25 ppm
							Fe	100 ppm
							Lead	50 ppm
							Mn	50 ppm
							Ni	50 ppm
							Sb	50 ppm
							Selenium	200 ppm
							Silver	5 ppm
							Tl	200 ppm
							V	50 ppm
							Zn	200 ppm
m-GPS-2_00029	05/31/16		Ibis Scientific, Lot 1074005			(Purchased Reagent)	Sb	100 ppm
							Silver	25 ppm
m-GPS-3_00031	06/30/16		Ibis Scientific, Lot 1075373			(Purchased Reagent)	Ca	1000 ppm
							Fe	1000 ppm
							K	1000 ppm
							Mg	1000 ppm
							Na	1000 ppm
							P	1000 ppm
							Si	1000 ppm
							SiO2	2140 ppm
m-GPS-4_00031	05/31/16		Ibis Scientific, Lot 1073998			(Purchased Reagent)	B	250 ppm
							Mo	250 ppm
							Sn	250 ppm
							Ti	250 ppm
SRMsolid_00010	03/31/18		ERA, Lot D086-540			(Purchased Reagent)	Al	7460 mg/Kg
							Arsenic	139 mg/Kg
							B	133 mg/Kg
							Barium	203 mg/Kg
							Be	96.1 mg/Kg
							Ca	6040 mg/Kg
							Cadmium	96 mg/Kg
							Chromium	136 mg/Kg
							Co	148 mg/Kg
							Cu	168 mg/Kg
							Fe	14100 mg/Kg
							K	2540 mg/Kg
							Lead	133 mg/Kg
							Mercury	12.9 mg/Kg
							Mg	2800 mg/Kg
							Mn	297 mg/Kg
							Mo	112 mg/Kg
							Na	761 mg/Kg
							Ni	123 mg/Kg
							Sb	88.8 mg/Kg

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Selenium	177 mg/Kg
							Silver	40.2 mg/Kg
							Sn	132 mg/Kg
							Sr	101 mg/Kg
							Ti	306 mg/Kg
							Tl	138 mg/Kg
							V	107 mg/Kg
							Zn	189 mg/Kg

METALS

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METALS

Lab Name: TestAmerica Seattle

Job Number: 580-51064-1

SDG No.: _____

Project: Everett Smerlter Uplands - 2015 Mapping

Client Sample ID	Lab Sample ID
TCLP-393-A	580-51064-1
TCLP-393-B-1	580-51064-2
TCLP-391-A-1	580-51064-3
TCLP-392-A	580-51064-4
TCLP-389-A	580-51064-5
TCLP-388-A	580-51064-6
TCLP-400-DU-A-B	580-51064-7
TCLP-396-A	580-51064-8
TCLP-387-A	580-51064-9
376-A-04-B-1	580-51064-10
370-B-05-B-1	580-51064-11
372-A-04-B-1	580-51064-12
377-B-02-B-1	580-51064-14
377-A-05-B-1	580-51064-15
383-A-04-B-1	580-51064-16
381-A-01-B-1	580-51064-17
374-A-05-B1	580-51064-18
373-A-04-B-1	580-51064-19
375-A-05-B-1	580-51064-20
375-A-08-B-1	580-51064-21
382-A-01-B-1	580-51064-22
394-A-05-B	580-51064-23
394-A-07-B	580-51064-24
386-A-06-B-1	580-51064-25
386-A-04-C-1	580-51064-26
393-A-01-B-1	580-51064-27
393-B-05-B-1	580-51064-29
391-A-04-B-1	580-51064-30
390-A-04-B-1	580-51064-31
392-A-01-B-1	580-51064-32
389-A-02-B-1	580-51064-33
388-A-02-B-1	580-51064-34
388-A-06-D-1	580-51064-35
400-B-04-B-1	580-51064-36
400-A-03-B-1	580-51064-37
396-A-06-B-1	580-51064-38
386-A-02-A-1	580-51064-39
387-A-04-B-1	580-51064-40
TCLP-373-A	580-51064-41
TCLP-374-A	580-51064-42
TCLP-375-A	580-51064-43
TCLP-376-A	580-51064-44
TCLP-377-A	580-51064-45
TCLP-377-B	580-51064-46
TCLP-381-A	580-51064-47

Comments:

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METALS

Lab Name: TestAmerica Seattle Job Number: 580-51064-1

SDG No.: _____

Project: Everett Smerlter Uplands - 2015 Mapping

Client Sample ID	Lab Sample ID
<u>TCLP-382-A</u>	<u>580-51064-48</u>
<u>TCLP-383-A</u>	<u>580-51064-49</u>
<u>TCLP-386-A</u>	<u>580-51064-50</u>
<u>TCLP-390-A</u>	<u>580-51064-51</u>
<u>TCLP-394-A</u>	<u>580-51064-52</u>
<u>393-A-01-C-1</u>	<u>580-51064-53</u>

Comments:

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-393-A

Lab Sample ID: 580-51064-1

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/03/2015 14:29

Reporting Basis: WET

Date Received: 06/19/2015 11:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0078	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.71	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0026	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.13	0.030	0.0026	mg/L			1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-393-B-1

Lab Sample ID: 580-51064-2

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/04/2015 12:53

Reporting Basis: WET

Date Received: 06/19/2015 11:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0064	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	0.44	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0015	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.0043	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.015	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-391-A-1

Lab Sample ID: 580-51064-3

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/04/2015 16:17

Reporting Basis: WET

Date Received: 06/19/2015 11:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.67	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0015	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.0089	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-392-A

Lab Sample ID: 580-51064-4

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/08/2015 14:13

Reporting Basis: WET

Date Received: 06/19/2015 11:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.51	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	ND	0.020	0.00050	mg/L			1	6010B
7440-47-3	Chromium	0.0035	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.0066	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-389-A

Lab Sample ID: 580-51064-5

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/09/2015 13:30

Reporting Basis: WET

Date Received: 06/19/2015 11:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.59	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.00090	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.0038	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.010	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-388-A

Lab Sample ID: 580-51064-6

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/09/2015 17:04

Reporting Basis: WET

Date Received: 06/19/2015 11:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.59	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	ND	0.020	0.00050	mg/L			1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.0051	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-400-DU-A-B

Lab Sample ID: 580-51064-7

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/10/2015 15:20

Reporting Basis: WET

Date Received: 06/19/2015 11:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.58	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.00070	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.0034	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.014	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-396-A

Lab Sample ID: 580-51064-8

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/11/2015 14:20

Reporting Basis: WET

Date Received: 06/19/2015 11:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.36	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	ND	0.020	0.00050	mg/L			1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.0052	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-387-A

Lab Sample ID: 580-51064-9

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/18/2015 15:30

Reporting Basis: WET

Date Received: 06/19/2015 11:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.32	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.00050	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.0040	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L		H	1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 376-A-04-B-1

Lab Sample ID: 580-51064-10

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/04/2015 09:31

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 79.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	41	0.61	0.22	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 370-B-05-B-1

Lab Sample ID: 580-51064-11

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/04/2015 13:31

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 77.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	27	0.61	0.22	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 372-A-04-B-1

Lab Sample ID: 580-51064-12

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/06/2015 16:46

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 72.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	49	0.63	0.23	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 377-B-02-B-1

Lab Sample ID: 580-51064-14

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/11/2015 09:38

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 77.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	46	0.59	0.21	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 377-A-05-B-1

Lab Sample ID: 580-51064-15

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/12/2015 09:18

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 81.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	32	0.54	0.19	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 383-A-04-B-1

Lab Sample ID: 580-51064-16

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/12/2015 13:24

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 82.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	27	0.56	0.20	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 381-A-01-B-1

Lab Sample ID: 580-51064-17

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/13/2015 10:45

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 72.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	41	0.60	0.22	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 374-A-05-B1

Lab Sample ID: 580-51064-18

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/14/2015 10:30

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 81.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	31	0.54	0.19	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 373-A-04-B-1

Lab Sample ID: 580-51064-19

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/14/2015 14:51

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 78.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	29	0.56	0.20	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 375-A-05-B-1

Lab Sample ID: 580-51064-20

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/20/2015 09:37

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 84.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	37	0.55	0.20	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 375-A-08-B-1

Lab Sample ID: 580-51064-21

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/20/2015 10:06

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 84.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	34	0.54	0.20	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 382-A-01-B-1

Lab Sample ID: 580-51064-22

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/20/2015 13:49

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 83.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	19	0.56	0.20	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 394-A-05-B

Lab Sample ID: 580-51064-23

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/26/2015 11:03

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 87.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	31	0.55	0.20	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 394-A-07-B

Lab Sample ID: 580-51064-24

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/26/2015 11:34

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 75.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	110	0.62	0.22	mg/Kg			10	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 386-A-06-B-1

Lab Sample ID: 580-51064-25

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.:

Matrix: Solid

Date Sampled: 06/01/2015 09:40

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 83.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	28	0.54	0.19	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 386-A-04-C-1

Lab Sample ID: 580-51064-26

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/01/2015 09:19

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 86.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	140	0.56	0.20	mg/Kg			10	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 393-A-01-B-1

Lab Sample ID: 580-51064-27

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.:

Matrix: Solid

Date Sampled: 06/03/2015 09:50

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 80.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	100	0.57	0.20	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 393-B-05-B-1

Lab Sample ID: 580-51064-29

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.:

Matrix: Solid

Date Sampled: 06/04/2015 10:40

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 78.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	47	0.61	0.22	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 391-A-04-B-1

Lab Sample ID: 580-51064-30

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/04/2015 14:47

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 81.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	33	0.56	0.20	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 390-A-04-B-1

Lab Sample ID: 580-51064-31

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/01/2015 15:16

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 84.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	31	0.54	0.19	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 392-A-01-B-1

Lab Sample ID: 580-51064-32

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/08/2015 09:43

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 79.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	28	0.60	0.21	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 389-A-02-B-1

Lab Sample ID: 580-51064-33

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/09/2015 10:10

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 85.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	73	0.53	0.19	mg/Kg			10	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 388-A-02-B-1

Lab Sample ID: 580-51064-34

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/09/2015 14:24

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 93.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	120	0.46	0.16	mg/Kg			10	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 388-A-06-D-1

Lab Sample ID: 580-51064-35

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.:

Matrix: Solid

Date Sampled: 06/09/2015 15:25

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 81.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	200	0.58	0.21	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 400-B-04-B-1

Lab Sample ID: 580-51064-36

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/10/2015 10:15

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 84.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	37	0.55	0.20	mg/Kg			10	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 400-A-03-B-1

Lab Sample ID: 580-51064-37

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.:

Matrix: Solid

Date Sampled: 06/10/2015 11:52

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 87.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	22	0.53	0.19	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 396-A-06-B-1

Lab Sample ID: 580-51064-38

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.:

Matrix: Solid

Date Sampled: 06/11/2015 11:49

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 88.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	37	0.54	0.20	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 386-A-02-A-1

Lab Sample ID: 580-51064-39

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/01/2015 09:00

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 84.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	56	0.56	0.20	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 387-A-04-B-1

Lab Sample ID: 580-51064-40

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/18/2015 12:56

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 86.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	62	0.54	0.19	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-373-A

Lab Sample ID: 580-51064-41

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/14/2015 17:10

Reporting Basis: WET

Date Received: 06/19/2015 11:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.54	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.00050	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.014	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L		H	1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-374-A

Lab Sample ID: 580-51064-42

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/14/2015 12:42

Reporting Basis: WET

Date Received: 06/19/2015 11:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.37	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	ND	0.020	0.00050	mg/L			1	6010B
7440-47-3	Chromium	0.0033	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.0081	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L		H	1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-375-A

Lab Sample ID: 580-51064-43

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/20/2015 12:15

Reporting Basis: WET

Date Received: 06/19/2015 11:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.64	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0020	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.0038	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.024	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L		H	1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-376-A

Lab Sample ID: 580-51064-44

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/04/2015 15:12

Reporting Basis: WET

Date Received: 06/19/2015 11:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.90	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0017	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.046	0.030	0.0026	mg/L			1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L		H	1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-377-A

Lab Sample ID: 580-51064-45

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/12/2015 10:39

Reporting Basis: WET

Date Received: 06/19/2015 11:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.49	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	ND	0.020	0.00050	mg/L			1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	ND	0.030	0.0026	mg/L			1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L		H	1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-377-B

Lab Sample ID: 580-51064-46

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/11/2015 12:14

Reporting Basis: WET

Date Received: 06/19/2015 11:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.39	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0020	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.0065	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L		H	1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-381-A

Lab Sample ID: 580-51064-47

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/15/2015 12:00

Reporting Basis: WET

Date Received: 06/19/2015 11:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.81	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0021	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.029	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L		H	1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-382-A

Lab Sample ID: 580-51064-48

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/20/2015 16:01

Reporting Basis: WET

Date Received: 06/19/2015 11:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.66	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0011	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.0033	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.022	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L		H	1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-383-A

Lab Sample ID: 580-51064-49

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/12/2015 16:30

Reporting Basis: WET

Date Received: 06/19/2015 11:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.040	0.060	0.0047	mg/L	J		1	6010B
7440-39-3	Barium	1.2	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0039	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	35	0.030	0.0026	mg/L			1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L		H	1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-386-A

Lab Sample ID: 580-51064-50

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/01/2015 12:52

Reporting Basis: WET

Date Received: 06/19/2015 11:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.50	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0024	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.020	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP-390-A

Lab Sample ID: 580-51064-51

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/01/2015 16:46

Reporting Basis: WET

Date Received: 06/19/2015 11:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.53	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	ND	0.020	0.00050	mg/L			1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.020	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L		H	1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TCLP-394-A

Lab Sample ID: 580-51064-52

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/26/2015 14:25

Reporting Basis: WET

Date Received: 06/19/2015 11:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.61	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0018	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.028	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L		H	1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 393-A-01-C-1

Lab Sample ID: 580-51064-53

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG ID.:

Matrix: Solid

Date Sampled: 06/03/2015 09:50

Reporting Basis: DRY

Date Received: 06/19/2015 11:45

% Solids: 77.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	150	0.61	0.22	mg/Kg			10	6020

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

ICV Source: ICP ICV-2_00050 Concentration Units: mg/L

CCV Source: ICP CCV_00065

Analyte	ICV 580-193747/6 07/01/2015 09:09				CCV 580-193747/32 07/01/2015 10:29				CCV 580-193747/45 07/01/2015 11:10			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	2.46		2.50	98	4.92		5.00	98	5.10		5.00	102
Barium	0.271		0.250	108	5.17		5.00	103	5.23		5.00	105
Cadmium	0.242		0.250	97	0.959		1.00	96	0.985		1.00	98
Chromium	0.954		1.00	95	0.956		1.00	96	0.994		1.00	99
Lead	0.982		1.00	98	4.88		5.00	98	5.01		5.00	100
Selenium	4.52		5.00	90	4.70		5.00	94	4.83		5.00	97
Silver	0.507		0.500	101	0.508		0.500	102	0.512		0.500	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

ICV Source: ICP ICV-2_00050 Concentration Units: mg/L

CCV Source: ICP CCV_00065

Analyte	CCV 580-193747/56 07/01/2015 11:47											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	4.90		5.00	98								
Barium	5.10		5.00	102								
Cadmium	0.961		1.00	96								
Chromium	0.955		1.00	96								
Lead	4.89		5.00	98								
Selenium	4.64		5.00	93								
Silver	0.506		0.500	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

ICV Source: ICP ICV-2_00050 Concentration Units: mg/L

CCV Source: ICP CCV_00065

Analyte	ICV 580-194073/6 07/06/2015 10:13				CCV 580-194073/17 07/06/2015 10:47				CCV 580-194073/29 07/06/2015 11:25			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	2.41		2.50	96	5.04		5.00	101	5.01		5.00	100
Barium	0.253		0.250	101	5.09		5.00	102	5.03		5.00	101
Cadmium	0.239		0.250	96	0.990		1.00	99	0.970		1.00	97
Chromium	0.955		1.00	95	0.988		1.00	99	0.979		1.00	98
Lead	0.958		1.00	96	5.00		5.00	100	4.91		5.00	98
Selenium	4.52		5.00	90	4.91		5.00	98	4.86		5.00	97
Silver	0.490		0.500	98	0.501		0.500	100	0.486		0.500	97

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

ICV Source: ICP ICV-2_00050 Concentration Units: mg/L

CCV Source: ICP CCV_00065

Analyte	CCV 580-194073/38 07/06/2015 11:55				CCV 580-194073/49 07/06/2015 12:32							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	5.06		5.00	101	5.05		5.00	101				
Barium	5.17		5.00	103	5.15		5.00	103				
Cadmium	0.975		1.00	98	0.974		1.00	97				
Chromium	0.975		1.00	98	0.969		1.00	97				
Lead	4.99		5.00	100	4.97		5.00	99				
Selenium	4.90		5.00	98	4.95		5.00	99				
Silver	0.508		0.500	102	0.505		0.500	101				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

ICV Source: ICPMS ICV_00013 Concentration Units: mg/L

CCV Source: ICPMS CAL #4_00011

Analyte	ICV 580-193444/7 06/25/2015 22:24				CCV 580-193444/37 06/26/2015 13:27				CCV 580-193444/49 06/26/2015 14:55			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0409		0.0400	102	0.0497		0.0500	99	0.0497		0.0500	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

ICV Source: ICPMS ICV_00013 Concentration Units: mg/L

CCV Source: ICPMS CAL #4_00011

Analyte	CCV 580-193444/61 06/26/2015 16:23				CCV 580-193444/67 06/26/2015 17:08							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0490		0.0500	98	0.0500		0.0500	100				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

ICV Source: ICPMS ICV_00013 Concentration Units: mg/L

CCV Source: ICPMS RL_00017

Analyte	ICV 580-193444/7 06/25/2015 22:24				CCVL 580-193444/14 06/26/2015 10:38							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0409		0.0400	102	0.00496		0.00500	99				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

ICV Source: ICPMS ICV_00013 Concentration Units: mg/L

CCV Source: ICPMS CAL #4_00011

Analyte	ICV 580-193638/7 06/29/2015 16:04				CCV 580-193638/67 06/29/2015 21:31				CCV 580-193638/79 06/29/2015 22:20			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0407		0.0400	102	0.0509		0.0500	102	0.0504		0.0500	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

ICV Source: ICPMS ICV_00013 Concentration Units: mg/L

CCV Source: ICPMS CAL #4_00011

Analyte	CCV 580-193638/90 06/29/2015 23:09				CCV 580-193638/97 06/29/2015 23:42							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0502		0.0500	100	0.0504		0.0500	101				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00029 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00026

Analyte	ICV 580-193695/7 06/30/2015 10:08				CCV 580-193695/9 06/30/2015 17:45				CCV 580-193695/21 06/30/2015 18:14			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00389		0.00400	97	0.00496		0.00500	99	0.00496		0.00500	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00029 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00026

Analyte	CCV 580-193695/27 06/30/2015 18:29											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00496		0.00500	99								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00029 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00026

Analyte	ICV 580-194035/7 07/02/2015 11:38				CCV 580-194035/37 07/02/2015 16:38				CCV 580-194035/49 07/02/2015 17:16			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00394		0.00400	99	0.00503		0.00500	101	0.00508		0.00500	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00029 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00026

Analyte	CCV 580-194035/61 07/02/2015 17:45				CCV 580-194035/67 07/02/2015 18:09							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00505		0.00500	101	0.00502		0.00500	100				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1
 SDG No.: _____
 Method: 6010B Instrument ID: TAC047
 Lab Sample ID: CRI 580-193747/8 Concentration Units: mg/L
 CRQL Check Standard Source: ICP-RL_00030

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.0600	0.0647		108	50-150
Barium	0.0100	0.0130		130	50-150
Cadmium	0.0100	0.00980	J	98	50-150
Chromium	0.0250	0.0240	J	96	50-150
Lead	0.0300	0.0308		103	50-150
Selenium	0.100	0.0951	J	95	50-150
Silver	0.0500	0.0560		112	50-150

Lab Sample ID: CRI 580-194073/8 Concentration Units: mg/L
 CRQL Check Standard Source: ICP-RL_00030

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.0600	0.0513	J	86	50-150
Barium	0.0100	0.00680	J	68	50-150
Cadmium	0.0100	0.00830	J	83	50-150
Chromium	0.0250	0.0219	J	88	50-150
Lead	0.0300	0.0236	J	79	50-150
Selenium	0.100	0.0918	J	92	50-150
Silver	0.0500	0.0426	J	85	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1
 SDG No.: _____
 Method: 6020 Instrument ID: SEA044
 Lab Sample ID: CRI 580-193444/9 Concentration Units: mg/L
 CRQL Check Standard Source: ICPMS RL_00017

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.00500	0.00484		97	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1
 SDG No.: _____
 Method: 6020 Instrument ID: SEA103
 Lab Sample ID: CRI 580-193638/9 Concentration Units: mg/L
 CRQL Check Standard Source: ICPMS RL_00017

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.00500	0.00501		100	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-193747/7 07/01/2015 09:11		CCB 580-193747/33 07/01/2015 10:32		CCB 580-193747/46 07/01/2015 11:12		CCB 580-193747/57 07/01/2015 11:50	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.060	0.00980	J	ND		0.00480	J	ND	
Barium	0.010	0.00780	J	0.00330	J	0.00430	J	0.00440	J
Cadmium	0.020	0.00140	J	ND		ND		ND	
Chromium	0.025	ND		ND		ND		ND	
Lead	0.030	0.00770	J	ND		ND		ND	
Selenium	0.10	0.00960	J	ND		ND		ND	
Silver	0.050	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-194073/7 07/06/2015 10:16		CCB 580-194073/18 07/06/2015 10:50		CCB 580-194073/30 07/06/2015 11:28		CCB 580-194073/39 07/06/2015 11:58	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.060	ND		0.0165	J	ND		0.0171	J
Barium	0.010	ND		ND		ND		ND	
Cadmium	0.020	ND		0.00210	J	ND		0.00340	J
Chromium	0.025	ND		ND		ND		ND	
Lead	0.030	ND		0.0114	J	ND		0.0175	J
Selenium	0.10	ND		0.0290	J	ND		0.0203	J
Silver	0.050	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	CCB 580-194073/50 07/06/2015 12:35							
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.060	ND							
Barium	0.010	ND							
Cadmium	0.020	ND							
Chromium	0.025	ND							
Lead	0.030	ND							
Selenium	0.10	ND							
Silver	0.050	ND							

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-193444/8 06/25/2015 22:31		CCB 580-193444/38 06/26/2015 13:34		CCB 580-193444/50 06/26/2015 15:03		CCB 580-193444/62 06/26/2015 16:31	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.0010	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	CCB 580-193444/68 06/26/2015 17:15							
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.0010	ND							

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-193638/8 06/29/2015 16:08		CCB 580-193638/68 06/29/2015 21:35		CCB 580-193638/80 06/29/2015 22:24		CCB 580-193638/91 06/29/2015 23:13	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.0010	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	CCB 580-193638/98 06/29/2015 23:46							
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.0010	ND							

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-193695/8 06/30/2015 10:11		CCB 580-193695/10 06/30/2015 17:47		CCB 580-193695/22 06/30/2015 18:17		CCB 580-193695/28 06/30/2015 18:31	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.00020	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-194035/8 07/02/2015 11:40		CCB 580-194035/38 07/02/2015 16:40		CCB 580-194035/50 07/02/2015 17:19		CCB 580-194035/62 07/02/2015 17:47	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.00020	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	CCB 580-194035/68 07/02/2015 18:11							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.00020	ND							

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Seattle Job No.: 580-51064-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 580-193544/1-B
Instrument Code: TAC047 Batch No.: 193747

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	0.00860	J		6010B
7440-43-9	Cadmium	ND			6010B
7440-47-3	Chromium	ND			6010B
7439-92-1	Lead	ND			6010B
7782-49-2	Selenium	ND			6010B
7440-22-4	Silver	ND			6010B

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Seattle Job No.: 580-51064-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 580-193796/1-B
Instrument Code: TAC047 Batch No.: 194073

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	0.00370	J		6010B
7440-43-9	Cadmium	ND			6010B
7440-47-3	Chromium	ND			6010B
7439-92-1	Lead	ND			6010B
7782-49-2	Selenium	ND			6010B
7440-22-4	Silver	ND			6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1
SDG No.: _____
Concentration Units: mg/Kg Lab Sample ID: MB 580-193210/19-A
Instrument Code: SEA044 Batch No.: 193444

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6020

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1
SDG No.: _____
Concentration Units: mg/Kg Lab Sample ID: MB 580-193216/19-A
Instrument Code: SEA103 Batch No.: 193638

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6020

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Seattle Job No.: 580-51064-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 580-193544/1-C
Instrument Code: TAC103 Batch No.: 193695

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Seattle Job No.: 580-51064-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 580-193796/1-C
Instrument Code: TAC104 Batch No.: 194035

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Lab Sample ID: ICSA 580-193747/9

Instrument ID: TAC047

Lab File ID: 193675 639.asc

ICS Source: ICP ICSA_00069

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		0.0059	
Barium		0.0019	
Cadmium		-0.0133	
Chromium		-0.0019	
Lead		-0.0125	
Selenium		0.0518	
Silver		0.0015	
<i>Aluminum</i>	<i>500</i>	<i>470</i>	<i>94</i>
<i>Antimony</i>		<i>0.0133</i>	
<i>Beryllium</i>		<i>0.0000</i>	
<i>Bismuth</i>		<i>0.0081</i>	
<i>Boron</i>		<i>0.0039</i>	
<i>Calcium</i>	<i>500</i>	<i>461</i>	<i>92</i>
<i>Cobalt</i>		<i>0.0011</i>	
<i>Copper</i>		<i>0.0047</i>	
<i>Iron</i>	<i>500</i>	<i>453</i>	<i>91</i>
<i>Magnesium</i>	<i>500</i>	<i>471</i>	<i>94</i>
<i>Manganese</i>		<i>-0.0029</i>	
<i>Molybdenum</i>		<i>-0.0037</i>	
<i>Nickel</i>		<i>0.0053</i>	
<i>Phosphorus</i>		<i>0.0030</i>	
<i>Potassium</i>		<i>0.0146</i>	
<i>Silicon</i>		<i>0.0324</i>	
<i>Sodium</i>		<i>0.0241</i>	
<i>Strontium</i>		<i>0.0080</i>	
<i>Thallium</i>		<i>-0.0014</i>	
<i>Tin</i>		<i>0.0005</i>	
<i>Titanium</i>		<i>-0.0151</i>	
<i>Vanadium</i>		<i>-0.0078</i>	
<i>Zinc</i>		<i>0.0060</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Lab Sample ID: ICSAB 580-193747/10

Instrument ID: TAC047

Lab File ID: 193675 639.asc

ICS Source: ICP ICSAB_00057

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	10.0	10.2	102
Barium	3.00	3.11	104
Cadmium	3.00	2.90	97
Chromium	3.00	2.96	99
Lead	10.0	9.69	97
Selenium		5.11	
Silver	3.00	3.06	102
<i>Aluminum</i>	<i>500</i>	<i>488</i>	<i>98</i>
<i>Antimony</i>	<i>10.0</i>	<i>10.3</i>	<i>103</i>
<i>Beryllium</i>	<i>1.00</i>	<i>1.01</i>	<i>101</i>
<i>Bismuth</i>		<i>0.0105</i>	
<i>Boron</i>	<i>5.00</i>	<i>5.02</i>	<i>100</i>
<i>Calcium</i>	<i>500</i>	<i>475</i>	<i>95</i>
<i>Cobalt</i>	<i>3.00</i>	<i>2.94</i>	<i>98</i>
<i>Copper</i>	<i>3.00</i>	<i>2.99</i>	<i>100</i>
<i>Iron</i>	<i>500</i>	<i>466</i>	<i>93</i>
<i>Magnesium</i>	<i>500</i>	<i>481</i>	<i>96</i>
<i>Manganese</i>	<i>2.00</i>	<i>1.98</i>	<i>99</i>
<i>Molybdenum</i>	<i>3.00</i>	<i>2.93</i>	<i>98</i>
<i>Nickel</i>	<i>3.00</i>	<i>2.91</i>	<i>97</i>
<i>Phosphorus</i>		<i>-0.0051</i>	
<i>Potassium</i>	<i>200</i>	<i>211</i>	<i>106</i>
<i>Silicon</i>	<i>2.50</i>	<i>2.29</i>	<i>92</i>
<i>Sodium</i>		<i>0.0337</i>	
<i>Strontium</i>		<i>0.0065</i>	
<i>Thallium</i>	<i>10.0</i>	<i>9.47</i>	<i>95</i>
<i>Tin</i>		<i>-0.0009</i>	
<i>Titanium</i>	<i>10.0</i>	<i>9.87</i>	<i>99</i>
<i>Vanadium</i>	<i>3.00</i>	<i>2.98</i>	<i>99</i>
<i>Zinc</i>	<i>3.00</i>	<i>2.85</i>	<i>95</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Lab Sample ID: ICSA 580-194073/9

Instrument ID: TAC047

Lab File ID: 193940 902 946 947.asc

ICS Source: ICP ICSA_00069

Concentration Units: mg/L

Analyte	True		Percent Recovery
	Solution A	Found Solution A	
Arsenic		0.0034	
Barium		-0.0023	
Cadmium		-0.0029	
Chromium		-0.0011	
Lead		-0.0092	
Selenium		-0.0080	
Silver		0.0010	
<i>Aluminum</i>	<i>500</i>	<i>487</i>	<i>97</i>
<i>Antimony</i>		<i>0.0131</i>	
<i>Beryllium</i>		<i>-0.0001</i>	
<i>Bismuth</i>		<i>0.0073</i>	
<i>Boron</i>		<i>-0.0001</i>	
<i>Calcium</i>	<i>500</i>	<i>480</i>	<i>96</i>
<i>Cobalt</i>		<i>-0.0001</i>	
<i>Copper</i>		<i>0.0010</i>	
<i>Iron</i>	<i>500</i>	<i>471</i>	<i>94</i>
<i>Magnesium</i>	<i>500</i>	<i>486</i>	<i>97</i>
<i>Manganese</i>		<i>-0.0046</i>	
<i>Molybdenum</i>		<i>-0.0046</i>	
<i>Nickel</i>		<i>0.0067</i>	
<i>Phosphorus</i>		<i>-0.0164</i>	
<i>Potassium</i>		<i>-0.115</i>	
<i>Silicon</i>		<i>0.0172</i>	
<i>Sodium</i>		<i>-0.0249</i>	
<i>Strontium</i>		<i>0.0030</i>	
<i>Thallium</i>		<i>-0.0103</i>	
<i>Tin</i>		<i>-0.0027</i>	
<i>Titanium</i>		<i>-0.0186</i>	
<i>Vanadium</i>		<i>-0.0079</i>	
<i>Zinc</i>		<i>0.0031</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Lab Sample ID: ICSAB 580-194073/10

Instrument ID: TAC047

Lab File ID: 193940 902 946 947.asc

ICS Source: ICP ICSAB_00057

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	10.0	10.2	102
Barium	3.00	3.04	101
Cadmium	3.00	2.92	97
Chromium	3.00	2.98	99
Lead	10.0	9.76	98
Selenium		5.05	
Silver	3.00	3.01	100
<i>Aluminum</i>	<i>500</i>	<i>478</i>	<i>96</i>
<i>Antimony</i>	<i>10.0</i>	<i>10.3</i>	<i>103</i>
<i>Beryllium</i>	<i>1.00</i>	<i>1.00</i>	<i>100</i>
<i>Bismuth</i>		<i>0.0142</i>	
<i>Boron</i>	<i>5.00</i>	<i>5.05</i>	<i>101</i>
<i>Calcium</i>	<i>500</i>	<i>470</i>	<i>94</i>
<i>Cobalt</i>	<i>3.00</i>	<i>2.94</i>	<i>98</i>
<i>Copper</i>	<i>3.00</i>	<i>3.00</i>	<i>100</i>
<i>Iron</i>	<i>500</i>	<i>463</i>	<i>93</i>
<i>Magnesium</i>	<i>500</i>	<i>474</i>	<i>95</i>
<i>Manganese</i>	<i>2.00</i>	<i>1.95</i>	<i>98</i>
<i>Molybdenum</i>	<i>3.00</i>	<i>2.97</i>	<i>99</i>
<i>Nickel</i>	<i>3.00</i>	<i>2.93</i>	<i>98</i>
<i>Phosphorus</i>		<i>-0.0205</i>	
<i>Potassium</i>	<i>200</i>	<i>208</i>	<i>104</i>
<i>Silicon</i>	<i>2.50</i>	<i>2.28</i>	<i>91</i>
<i>Sodium</i>		<i>0.0006</i>	
<i>Strontium</i>		<i>0.0031</i>	
<i>Thallium</i>	<i>10.0</i>	<i>9.54</i>	<i>95</i>
<i>Tin</i>		<i>-0.0047</i>	
<i>Titanium</i>	<i>10.0</i>	<i>9.84</i>	<i>98</i>
<i>Vanadium</i>	<i>3.00</i>	<i>2.93</i>	<i>98</i>
<i>Zinc</i>	<i>3.00</i>	<i>2.89</i>	<i>96</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Lab Sample ID: ICSA 580-193444/10

Instrument ID: SEA044

Lab File ID: 014SMPL.D

ICS Source: ICPMS- ICSA_00008

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution A	Solution A	
Arsenic		0.0001	
Aluminum	20.0	19.9	100
Antimony		0.0000	
Barium		0.0000	
Beryllium		0.0000	
Cadmium		0.0001	
Calcium	60.0	61.2	102
Chromium		0.0006	
Cobalt		0.0000	
Copper		0.0002	
Iron	50.0	48.9	98
Lead		0.0001	
Magnesium	20.0	19.5	97
Manganese		0.0002	
Mercury		0.0000	
Molybdenum	0.400	0.435	109
Nickel		0.0000	
Phosphorus	20.0	20.0	100
Potassium	20.0	19.3	96
Selenium		0.0002	
Silver		0.0000	
Sodium	50.0	49.1	98
Strontium		0.0002	
Thallium		0.0008	
Tin		0.0001	
Titanium	0.400	0.399	100
Uranium		0.0000	
Vanadium		0.0000	
Zinc		0.0003	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Lab Sample ID: ICSAB 580-193444/11

Instrument ID: SEA044

Lab File ID: 015SMPL.D

ICS Source: ICPMS- ICSA_00008

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	0.0200	0.0208	104
<i>Aluminum</i>	<i>20.0</i>	<i>20.2</i>	<i>101</i>
<i>Antimony</i>		<i>0.0000</i>	
<i>Barium</i>		<i>0.0000</i>	
<i>Beryllium</i>		<i>0.0000</i>	
<i>Cadmium</i>	<i>0.0200</i>	<i>0.0208</i>	<i>104</i>
<i>Calcium</i>	<i>60.0</i>	<i>61.7</i>	<i>103</i>
<i>Chromium</i>	<i>0.0400</i>	<i>0.0412</i>	<i>103</i>
<i>Cobalt</i>	<i>0.0400</i>	<i>0.0417</i>	<i>104</i>
<i>Copper</i>	<i>0.0400</i>	<i>0.0402</i>	<i>101</i>
<i>Iron</i>	<i>50.0</i>	<i>50.1</i>	<i>100</i>
<i>Lead</i>		<i>0.0001</i>	
<i>Magnesium</i>	<i>20.0</i>	<i>19.7</i>	<i>99</i>
<i>Manganese</i>	<i>0.0400</i>	<i>0.0396</i>	<i>99</i>
<i>Mercury</i>		<i>0.0000</i>	
<i>Molybdenum</i>	<i>0.400</i>	<i>0.447</i>	<i>112</i>
<i>Nickel</i>	<i>0.0400</i>	<i>0.0407</i>	<i>102</i>
<i>Phosphorus</i>	<i>20.0</i>	<i>20.2</i>	<i>101</i>
<i>Potassium</i>	<i>20.0</i>	<i>19.6</i>	<i>98</i>
<i>Selenium</i>	<i>0.0200</i>	<i>0.0205</i>	<i>102</i>
<i>Silver</i>	<i>0.0100</i>	<i>0.0104</i>	<i>104</i>
<i>Sodium</i>	<i>50.0</i>	<i>49.5</i>	<i>99</i>
<i>Strontium</i>		<i>0.0002</i>	
<i>Thallium</i>		<i>0.0005</i>	
<i>Tin</i>		<i>0.0001</i>	
<i>Titanium</i>	<i>0.400</i>	<i>0.404</i>	<i>101</i>
<i>Uranium</i>		<i>0.0000</i>	
<i>Vanadium</i>	<i>0.0400</i>	<i>0.0399</i>	<i>100</i>
<i>Zinc</i>	<i>0.0200</i>	<i>0.0200</i>	<i>100</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Lab Sample ID: ICSAB 580-193444/11

Instrument ID: SEA044

Lab File ID: 015SMPL.D

ICS Source: ICPMS-ICSB_00008

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	0.0200	0.0208	104
<i>Aluminum</i>	<i>20.0</i>	<i>20.2</i>	<i>101</i>
<i>Antimony</i>		<i>0.0000</i>	
<i>Barium</i>		<i>0.0000</i>	
<i>Beryllium</i>		<i>0.0000</i>	
<i>Cadmium</i>	<i>0.0200</i>	<i>0.0208</i>	<i>104</i>
<i>Calcium</i>	<i>60.0</i>	<i>61.7</i>	<i>103</i>
<i>Chromium</i>	<i>0.0400</i>	<i>0.0412</i>	<i>103</i>
<i>Cobalt</i>	<i>0.0400</i>	<i>0.0417</i>	<i>104</i>
<i>Copper</i>	<i>0.0400</i>	<i>0.0402</i>	<i>101</i>
<i>Iron</i>	<i>50.0</i>	<i>50.1</i>	<i>100</i>
<i>Lead</i>		<i>0.0001</i>	
<i>Magnesium</i>	<i>20.0</i>	<i>19.7</i>	<i>99</i>
<i>Manganese</i>	<i>0.0400</i>	<i>0.0396</i>	<i>99</i>
<i>Mercury</i>		<i>0.0000</i>	
<i>Molybdenum</i>	<i>0.400</i>	<i>0.447</i>	<i>112</i>
<i>Nickel</i>	<i>0.0400</i>	<i>0.0407</i>	<i>102</i>
<i>Phosphorus</i>	<i>20.0</i>	<i>20.2</i>	<i>101</i>
<i>Potassium</i>	<i>20.0</i>	<i>19.6</i>	<i>98</i>
<i>Selenium</i>	<i>0.0200</i>	<i>0.0205</i>	<i>102</i>
<i>Silver</i>	<i>0.0100</i>	<i>0.0104</i>	<i>104</i>
<i>Sodium</i>	<i>50.0</i>	<i>49.5</i>	<i>99</i>
<i>Strontium</i>		<i>0.0002</i>	
<i>Thallium</i>		<i>0.0005</i>	
<i>Tin</i>		<i>0.0001</i>	
<i>Titanium</i>	<i>0.400</i>	<i>0.404</i>	<i>101</i>
<i>Uranium</i>		<i>0.0000</i>	
<i>Vanadium</i>	<i>0.0400</i>	<i>0.0399</i>	<i>100</i>
<i>Zinc</i>	<i>0.0200</i>	<i>0.0200</i>	<i>100</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Lab Sample ID: ICSA 580-193638/10

Instrument ID: SEA103

Lab File ID: 014SAMP.D

ICS Source: ICPMS- ICSA_00008

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution A	Solution A	
Arsenic		0.0002	
Aluminum	20.0	21.8	109
Antimony		0.0000	
Barium		0.0000	
Beryllium		0.0000	
Cadmium		0.0000	
Calcium	60.0	67.3	112
Chromium		0.0007	
Cobalt		0.0001	
Copper		0.0003	
Iron	50.0	49.2	98
Lead		0.0001	
Magnesium	20.0	19.7	99
Manganese		0.0003	
Mercury		0.0000	
Molybdenum	0.400	0.414	104
Nickel		0.0001	
Phosphorus	20.0	22.0	110
Potassium	20.0	19.1	95
Selenium		0.0003	
Silver		0.0000	
Sodium	50.0	47.8	96
Strontium		0.0003	
Thallium		0.0000	
Tin		0.0000	
Titanium	0.400	0.366	91
Uranium		0.0000	
Vanadium		-0.0009	
Zinc		0.0003	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Lab Sample ID: ICSAB 580-193638/11

Instrument ID: SEA103

Lab File ID: 015SAMP.D

ICS Source: ICPMS- ICSA_00008

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	0.0200	0.0206	103
Aluminum	20.0	21.8	109
Antimony		0.0000	
Barium		0.0001	
Beryllium		0.0000	
Cadmium	0.0200	0.0202	101
Calcium	60.0	66.6	111
Chromium	0.0400	0.0404	101
Cobalt	0.0400	0.0408	102
Copper	0.0400	0.0393	98
Iron	50.0	48.8	98
Lead		0.0001	
Magnesium	20.0	19.5	97
Manganese	0.0400	0.0397	99
Mercury		0.0000	
Molybdenum	0.400	0.410	102
Nickel	0.0400	0.0397	99
Phosphorus	20.0	22.4	112
Potassium	20.0	19.1	95
Selenium	0.0200	0.0206	103
Silver	0.0100	0.0100	100
Sodium	50.0	47.5	95
Strontium		0.0002	
Thallium		0.0000	
Tin		0.0000	
Titanium	0.400	0.365	91
Uranium		0.0000	
Vanadium	0.0400	0.0381	95
Zinc	0.0200	0.0199	99

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Lab Sample ID: ICSAB 580-193638/11

Instrument ID: SEA103

Lab File ID: 015SAMP.D

ICS Source: ICPMS-ICSB_00008

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	0.0200	0.0206	103
<i>Aluminum</i>	<i>20.0</i>	<i>21.8</i>	<i>109</i>
<i>Antimony</i>		<i>0.0000</i>	
<i>Barium</i>		<i>0.0001</i>	
<i>Beryllium</i>		<i>0.0000</i>	
<i>Cadmium</i>	<i>0.0200</i>	<i>0.0202</i>	<i>101</i>
<i>Calcium</i>	<i>60.0</i>	<i>66.6</i>	<i>111</i>
<i>Chromium</i>	<i>0.0400</i>	<i>0.0404</i>	<i>101</i>
<i>Cobalt</i>	<i>0.0400</i>	<i>0.0408</i>	<i>102</i>
<i>Copper</i>	<i>0.0400</i>	<i>0.0393</i>	<i>98</i>
<i>Iron</i>	<i>50.0</i>	<i>48.8</i>	<i>98</i>
<i>Lead</i>		<i>0.0001</i>	
<i>Magnesium</i>	<i>20.0</i>	<i>19.5</i>	<i>97</i>
<i>Manganese</i>	<i>0.0400</i>	<i>0.0397</i>	<i>99</i>
<i>Mercury</i>		<i>0.0000</i>	
<i>Molybdenum</i>	<i>0.400</i>	<i>0.410</i>	<i>102</i>
<i>Nickel</i>	<i>0.0400</i>	<i>0.0397</i>	<i>99</i>
<i>Phosphorus</i>	<i>20.0</i>	<i>22.4</i>	<i>112</i>
<i>Potassium</i>	<i>20.0</i>	<i>19.1</i>	<i>95</i>
<i>Selenium</i>	<i>0.0200</i>	<i>0.0206</i>	<i>103</i>
<i>Silver</i>	<i>0.0100</i>	<i>0.0100</i>	<i>100</i>
<i>Sodium</i>	<i>50.0</i>	<i>47.5</i>	<i>95</i>
<i>Strontium</i>		<i>0.0002</i>	
<i>Thallium</i>		<i>0.0000</i>	
<i>Tin</i>		<i>0.0000</i>	
<i>Titanium</i>	<i>0.400</i>	<i>0.365</i>	<i>91</i>
<i>Uranium</i>		<i>0.0000</i>	
<i>Vanadium</i>	<i>0.0400</i>	<i>0.0381</i>	<i>95</i>
<i>Zinc</i>	<i>0.0200</i>	<i>0.0199</i>	<i>99</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-393-A MS

Lab ID: 580-51064-1 MS

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/L

% Solids: _____

Analyte	SSR C	Sample Result (SR) C		Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.17	0.0078	J	4.00	104	75-125		6010B
Barium	4.65	0.71		4.00	99	75-125		6010B
Cadmium	0.105	0.0026	J	0.100	102	75-125		6010B
Chromium	0.370	ND		0.400	93	75-125		6010B
Lead	1.12	0.13		1.00	99	75-125		6010B
Selenium	4.39	ND		4.00	110	75-125		6010B
Silver	0.575	ND		0.600	96	75-125		6010B
Mercury	0.0192	ND		0.0200	96	80-120		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-388-A MS Lab ID: 580-51064-6 MS
 Lab Name: TestAmerica Seattle Job No.: 580-51064-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/L
 % Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.01	ND	4.00	100	75-125		6010B
Barium	4.60	0.59	4.00	100	75-125		6010B
Cadmium	0.101	ND	0.100	101	75-125		6010B
Chromium	0.366	ND	0.400	91	75-125		6010B
Lead	0.989	0.0051	1.00	98	75-125		6010B
Selenium	4.21	ND	4.00	105	75-125		6010B
Silver	0.580	ND	0.600	97	75-125		6010B
Mercury	0.0206	ND	0.0200	103	80-120		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS

Client ID: 376-A-04-B-1 MS Lab ID: 580-51064-10 MS
 Lab Name: TestAmerica Seattle Job No.: 580-51064-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/Kg
 % Solids: 79.4

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	268	41	231	99	80-120		6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS

Client ID: 386-A-04-C-1 MS Lab ID: 580-51064-26 MS
 Lab Name: TestAmerica Seattle Job No.: 580-51064-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/Kg
 % Solids: 86.2

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	368	140	219	104	80-120		6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-393-A MSD Lab ID: 580-51064-1 MSD
 Lab Name: TestAmerica Seattle Job No.: 580-51064-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/L
 % Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.01	4.00	100	75-125	4	20		6010B
Barium	4.34	4.00	91	75-125	7	20		6010B
Cadmium	0.103	0.100	100	75-125	2	20		6010B
Chromium	0.359	0.400	90	75-125	3	20		6010B
Lead	1.10	1.00	97	75-125	2	20		6010B
Selenium	4.26	4.00	107	75-125	3	20		6010B
Silver	0.543	0.600	90	75-125	6	20		6010B
Mercury	0.0188	0.0200	94	80-120	2	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-388-A MSD Lab ID: 580-51064-6 MSD
 Lab Name: TestAmerica Seattle Job No.: 580-51064-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/L
 % Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.20	4.00	105	75-125	5	20		6010B
Barium	4.58	4.00	100	75-125	0	20		6010B
Cadmium	0.105	0.100	105	75-125	4	20		6010B
Chromium	0.378	0.400	94	75-125	3	20		6010B
Lead	1.02	1.00	102	75-125	3	20		6010B
Selenium	4.53	4.00	113	75-125	7	20		6010B
Silver	0.577	0.600	96	75-125	0	20		6010B
Mercury	0.0198	0.0200	99	80-120	4	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS

Client ID: 376-A-04-B-1 MSD

Lab ID: 580-51064-10 MSD

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 79.4

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	280	229	105	80-120	4	20		6020

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS

Client ID: 386-A-04-C-1 MSD Lab ID: 580-51064-26 MSD
 Lab Name: TestAmerica Seattle Job No.: 580-51064-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/Kg
 % Solids: 86.2

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	370	223	104	80-120	1	20		6020

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-393-A PDS

Lab ID: 580-51064-1 PDS

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/L

Analyte	SSR C	Sample Result (SR) C		Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	3.85	0.0078	J	4.00	96	75-125		6010B
Barium	4.29	0.71		4.00	90	75-125		6010B
Cadmium	0.0974	0.0026	J	0.100	95	75-125		6010B
Chromium	0.345	ND		0.400	86	75-125		6010B
Lead	1.05	0.13		1.00	91	75-125		6010B
Selenium	4.03	ND		4.00	101	75-125		6010B
Silver	0.537	ND		0.600	89	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP-388-A PDS

Lab ID: 580-51064-6 PDS

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/L

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.23	ND	4.00	106	75-125		6010B
Barium	4.77	0.59	4.00	104	75-125		6010B
Cadmium	0.106	ND	0.100	106	75-125		6010B
Chromium	0.386	ND	0.400	96	75-125		6010B
Lead	1.03	0.0051	1.00	102	75-125		6010B
Selenium	4.57	ND	4.00	114	75-125		6010B
Silver	0.519	ND	0.600	87	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS

Client ID: 376-A-04-B-1 PDS

Lab ID: 580-51064-10 PDS

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	297	41	243	106	75-125		6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS

Client ID: 386-A-04-C-1 PDS

Lab ID: 580-51064-26 PDS

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	366	140	225	101	75-125		6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

6-IN
 DUPLICATES
 METALS - TCLP

Client ID: TCLP-393-A DU

Lab ID: 580-51064-1 DU

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

% Solids for Sample: _____

% Solids for Duplicate: _____

Matrix: Solid

Concentration Units: mg/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Arsenic	0.060	0.0078 J	0.00550 J	35	F5	6010B
Barium	0.010	0.71	0.697	2		6010B
Cadmium	0.020	0.0026 J	0.00250 J	4		6010B
Chromium	0.025	ND	ND	NC		6010B
Lead	0.030	0.13	0.126	5		6010B
Selenium	0.10	ND	ND	NC		6010B
Silver	0.050	ND	ND	NC		6010B
Mercury	0.0020	ND	ND	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATES
 METALS - TCLP

Client ID: TCLP-388-A DU

Lab ID: 580-51064-6 DU

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

% Solids for Sample: _____

% Solids for Duplicate: _____

Matrix: Solid

Concentration Units: mg/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Arsenic	0.060	ND	ND	NC		6010B
Barium	0.010	0.59	0.596	0.2		6010B
Cadmium	0.020	ND	ND	NC		6010B
Chromium	0.025	ND	ND	NC		6010B
Lead	0.030	0.0051 J	0.00360 J	34	F5	6010B
Selenium	0.10	ND	ND	NC		6010B
Silver	0.050	ND	ND	NC		6010B
Mercury	0.0020	ND	ND	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATES
 METALS

Client ID: 376-A-04-B-1 DU

Lab ID: 580-51064-10 DU

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

% Solids for Sample: 79.4

% Solids for Duplicate: 79.4

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Arsenic	0.58	41	39.6	3		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATES
 METALS

Client ID: 386-A-04-C-1 DU

Lab ID: 580-51064-26 DU

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

% Solids for Sample: 86.2

% Solids for Duplicate: 86.2

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Arsenic	0.54	140	128	8		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
METALS - TCLP

Lab ID: LCS 580-193544/2-B

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00037

Analyte	Solid (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	3.95		99	80	120		6010B
Barium	4.00	3.88		97	80	120		6010B
Cadmium	0.100	0.0978		98	80	120		6010B
Chromium	0.400	0.352		88	80	120		6010B
Lead	1.00	0.949		95	80	120		6010B
Selenium	4.00	4.21		105	80	120		6010B
Silver	0.600	0.568		95	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS - TCLP

Lab ID: LCSD 580-193544/3-B

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00037

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	3.80	4.00	95	80-120	4	20		6010B
Barium	3.50	4.00	87	80-120	11	20		6010B
Cadmium	0.0941	0.100	94	80-120	4	20		6010B
Chromium	0.338	0.400	85	80-120	4	20		6010B
Lead	0.915	1.00	92	80-120	4	20		6010B
Selenium	4.05	4.00	101	80-120	4	20		6010B
Silver	0.517	0.600	86	80-120	9	20		6010B

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS - TCLP

Lab ID: LCSSRM 580-193544/15-A

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

Sample Matrix: Solid

LCS Source: _____

Analyte	Solid (mg/L)						
	True	Found	C	%R	Limits	Q	Method
Arsenic		4.11					6010B
Barium		3.89					6010B
Cadmium		0.102					6010B
Chromium		0.367					6010B
Lead		0.992					6010B
Selenium		4.41					6010B
Silver		0.564					6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
 LAB CONTROL SAMPLE
 METALS - TCLP

Lab ID: LCS 580-193796/2-B

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00037

Analyte	Solid (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	3.90		98	80	120		6010B
Barium	4.00	3.81		95	80	120		6010B
Cadmium	0.100	0.0968		97	80	120		6010B
Chromium	0.400	0.352		88	80	120		6010B
Lead	1.00	0.951		95	80	120		6010B
Selenium	4.00	4.14		103	80	120		6010B
Silver	0.600	0.554		92	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS - TCLP

Lab ID: LCSD 580-193796/3-B

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00037

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	3.92	4.00	98	80-120	0	20		6010B
Barium	3.78	4.00	94	80-120	1	20		6010B
Cadmium	0.0977	0.100	98	80-120	1	20		6010B
Chromium	0.353	0.400	88	80-120	0	20		6010B
Lead	0.954	1.00	95	80-120	0	20		6010B
Selenium	4.15	4.00	104	80-120	0	20		6010B
Silver	0.560	0.600	93	80-120	1	20		6010B

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-193902/24-A

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

Sample Matrix: Water

LCS Source: m-GPS-1_00037

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.26		106	80	120		6010B
Barium	4.00	4.10		102	80	120		6010B
Cadmium	0.100	0.106		106	80	120		6010B
Chromium	0.400	0.383		96	80	120		6010B
Lead	1.00	1.03		103	80	120		6010B
Selenium	4.00	4.57		114	80	120		6010B
Silver	0.600	0.600		100	75	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
 LAB CONTROL SAMPLE
 METALS

Lab ID: LCS 580-193210/20-A

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00037

Analyte	Solid(mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Arsenic	200	203		102	80	120	6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS

Lab ID: LCSD 580-193210/21-A

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00037

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	203	200	102	80-120	0	20		6020

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-193210/22-A

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

Sample Matrix: Solid

LCS Source: SRMsolid_00010

Analyte	Solid(mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Arsenic	139	149		106.9	70.4	140.3	6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 580-193216/20-A

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00037

Analyte	Solid(mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Arsenic	200	199		100	80 120		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS

Lab ID: LCSD 580-193216/21-A

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00037

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	202	200	101	80-120	1	20		6020

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-193216/22-A

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

Sample Matrix: Solid

LCS Source: SRMsolid_00010

Analyte	Solid(mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Arsenic	139	139		100	70.4 140.3		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
 LAB CONTROL SAMPLE
 METALS - TCLP

Lab ID: LCS 580-193544/2-C

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

Sample Matrix: Solid

LCS Source: Hg_CAL_WORK_00026

Analyte	Solid (mg/L)						
	True	Found	C	%R	Limits	Q	Method
Mercury	0.0200	0.0178		89	80	120	7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS - TCLP

Lab ID: LCSD 580-193544/3-C

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

Sample Matrix: Solid

LCS Source: Hg_CAL_WORK_00026

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.0174	0.0200	87	80-120	2	20		7470A

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS - TCLP

Lab ID: LCSSRM 580-193544/15-C

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

Sample Matrix: Solid

LCS Source: Hg_CAL_WORK_00026

Analyte	Solid (mg/L)						
	True	Found	C	%R	Limits	Q	Method
Mercury	0.0200	0.0177		88	75 125		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
 LAB CONTROL SAMPLE
 METALS - TCLP

Lab ID: LCS 580-193796/2-C

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

Sample Matrix: Solid

LCS Source: Hg_CAL_WORK_00026

Analyte	Solid (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.0200	0.0196		98	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS - TCLP

Lab ID: LCSD 580-193796/3-C

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

Sample Matrix: Solid

LCS Source: Hg_CAL_WORK_00026

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.0190	0.0200	95	80-120	3	20		7470A

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-193904/24-A

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00026

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.0200	0.0193		97	75	125		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS - TCLP

Lab ID: 580-51064-1

SDG No: _____

Lab Name: TestAmerica Seattle

Job No: 580-51064-1

Matrix: Solid

Concentration Units: mg/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	Method
Arsenic	0.0078 J	ND	NC		6010B
Barium	0.71	0.734	3.5		6010B
Cadmium	0.0026 J	ND	NC		6010B
Chromium	ND	ND	NC		6010B
Lead	0.13	0.135 J	1.1		6010B
Selenium	ND	ND	NC		6010B
Silver	ND	ND	NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS - TCLP

Lab ID: 580-51064-6

SDG No: _____

Lab Name: TestAmerica Seattle

Job No: 580-51064-1

Matrix: Solid

Concentration Units: mg/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	Method
Arsenic	ND	0.0455 J	NC		6010B
Barium	0.59	0.562	5.5		6010B
Cadmium	ND	ND	NC		6010B
Chromium	ND	ND	NC		6010B
Lead	0.0051 J	ND	NC		6010B
Selenium	ND	0.0480 J	NC		6010B
Silver	ND	ND	NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS

Lab ID: 580-51064-10

SDG No: _____

Lab Name: TestAmerica Seattle

Job No: 580-51064-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	Method
Arsenic	41	41.0	0.73		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS

Lab ID: 580-51064-26

SDG No: _____

Lab Name: TestAmerica Seattle

Job No: 580-51064-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	Method
Arsenic	140	131	5.5		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle

Job Number: 580-51064-1

SDG Number: _____

Matrix: Solid

Instrument ID: TAC047

Method: 6010B

MDL Date: 01/29/2015 10:21

Prep Method: 3010A

Leach Method: 1311

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Arsenic		0.06	0.0047
Barium		0.01	0.0008
Cadmium		0.02	0.0005
Chromium		0.025	0.0033
Lead		0.03	0.0026
Selenium		0.1	0.0054
Silver		0.05	0.0085

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle Job Number: 580-51064-1
SDG Number: _____
Matrix: Solid Instrument ID: TAC047
Method: 6010B XMDL Date: 01/29/2015 11:14

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Arsenic		0.06	0.0047
Barium		0.01	0.0008
Cadmium		0.02	0.0005
Chromium		0.025	0.0033
Lead		0.03	0.0026
Selenium		0.1	0.0054
Silver		0.05	0.0085

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Seattle Job Number: 580-51064-1
SDG Number: _____
Matrix: Solid Instrument ID: SEA044
Method: 6020 MDL Date: 01/16/2015 14:46
Prep Method: 3050B
Sieved Method: Sieve

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Arsenic		0.5	0.18

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Seattle Job Number: 580-51064-1
SDG Number: _____
Matrix: Solid Instrument ID: SEA044
Method: 6020 XMDL Date: 01/29/2015 11:12

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Arsenic		0.001	0.00027

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Seattle Job Number: 580-51064-1
SDG Number: _____
Matrix: Solid Instrument ID: SEA103
Method: 6020 MDL Date: 01/16/2015 14:46
Prep Method: 3050B
Sieved Method: Sieve

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Arsenic		0.5	0.18

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Seattle Job Number: 580-51064-1
SDG Number: _____
Matrix: Solid Instrument ID: SEA103
Method: 6020 XMDL Date: 01/29/2015 11:12

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Arsenic		0.001	0.00027

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle Job Number: 580-51064-1
SDG Number: _____
Matrix: Solid Instrument ID: TAC103
Method: 7470A MDL Date: 06/06/2011 08:34
Prep Method: 7470A
Leach Method: 1311

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Mercury		0.0002	0.000041

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle Job Number: 580-51064-1
SDG Number: _____
Matrix: Solid Instrument ID: TAC103
Method: 7470A XMDL Date: 01/29/2015 11:16

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Mercury		0.0002	0.000041

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle

Job Number: 580-51064-1

SDG Number: _____

Matrix: Solid

Instrument ID: TAC104

Method: 7470A

MDL Date: 06/06/2011 08:34

Prep Method: 7470A

Leach Method: 1311

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Mercury		0.0002	0.000041

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle Job Number: 580-51064-1
SDG Number: _____
Matrix: Solid Instrument ID: TAC104
Method: 7470A XMDL Date: 01/29/2015 11:16

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Mercury		0.0002	0.000041

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Seattle Job Number: 580-51064-1

SDG No.: _____

ICP-AES Instrument ID: TAC047 Date: 10/01/2014

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Aluminum	237.312														
Aluminum	308.215														
Antimony	206.833											0.022313			
Arsenic	189.042											-0.002908		-0.000140	
Barium	233.527													-0.000090	
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061										-0.004697	0.001268	-0.001576	0.000332	
Boron	208.959														
Cadmium	226.502										0.000095			0.000106	
Cadmium	228.802			0.004740							0.000200				
Calcium	315.887														
Calcium	317.933														
Chromium	205.552														
Chromium	267.716														
Cobalt	228.616													0.000015	
Copper	217.894		-0.000038											0.000027	
Copper	327.396													-0.000051	
Iron	259.940														
Iron	271.441											0.070287			
Iron	273.074														
Lead	216.999		0.000467											0.000450	
Lead	220.353		-0.000080										0.000500	0.000015	
Magnesium	279.079														
Manganese	257.610		0.000005											-0.000017	
Molybdenum	202.030														
Nickel	230.300												0.000512		
Nickel	231.604													0.000036	
Phosphorus	178.284														
Potassium	766.490														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Seattle Job Number: 580-51064-1

SDG No.: _____

ICP-AES Instrument ID: TAC047 Date: 10/01/2014

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Selenium	196.090													-0.000145	
Silicon	251.611													-0.000023	
Silicon	288.158														
Silver	328.068													-0.000016	
Sodium	589.592														
Sodium	818.326														
Strontium	407.771														
Thallium	190.856		-0.000050								-0.008702				
Tin	189.989														
Titanium	334.941							0.000043							
Titanium	337.280														
Vanadium	292.402											-0.002026		0.000015	
Zinc	206.200											-0.000800		0.000090	
Zinc	213.856												0.000075	0.000080	

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Seattle

Job Number: 580-51064-1

SDG No.: _____

ICP-AES Instrument ID: TAC047

Date: 10/01/2014

Analyte	Wave Length	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Si	Sn	Sr	Ti	Tl
Aluminum	308.215			027848											
Aluminum	237.312														
Antimony	206.833			-0.002800								-0.000080			
Arsenic	189.042														
Barium	455.403														
Barium	233.527														
Beryllium	313.042													-0.000093	
Bismuth	223.061					0.000322								-0.002472	
Boron	208.959														
Cadmium	226.502														
Cadmium	228.802														
Calcium	315.887														
Calcium	317.933														
Chromium	205.552			0.009000		-0.000027									
Chromium	267.716		0.000200												
Cobalt	228.616													0.001800	
Copper	327.396													-0.015180	
Copper	217.894														
Iron	271.441														
Iron	259.940			-0.001211											
Iron	273.074	-0.001098												0.025290	
Lead	216.999					0.001933									
Lead	220.353											0.000075			
Magnesium	279.079														
Manganese	257.610	0.000050													
Molybdenum	202.030														
Nickel	231.604		0.000050						0.000150						
Nickel	230.300											0.003889			
Phosphorus	178.284														
Potassium	766.490														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Seattle Job Number: 580-51064-1

SDG No.: _____

ICP-AES Instrument ID: TAC047 Date: 10/01/2014

Analyte	Wave Length	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Si	Sn	Sr	Ti	Tl
Selenium	196.090		0.000800												
Silicon	251.611													0.028815	
Silicon	288.158													0.030771	
Silver	328.068														
Sodium	818.326														
Sodium	589.592														
Strontium	407.771														
Thallium	190.856		0.000085											0.000035	
Tin	189.989													-0.000150	
Titanium	334.941														
Titanium	337.280														
Vanadium	292.402			-0.004653										0.000500	
Zinc	213.856					0.005989									
Zinc	206.200														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Seattle Job Number: 580-51064-1

SDG No.: _____

ICP-AES Instrument ID: TAC047 Date: 10/01/2014

Analyte	Wave Length	V	Zn												
Aluminum	237.312														
Aluminum	308.215	0.000950													
Antimony	206.833														
Arsenic	189.042														
Barium	233.527														
Barium	455.403														
Beryllium	313.042	-0.000100													
Bismuth	223.061														
Boron	208.959														
Cadmium	226.502														
Cadmium	228.802														
Calcium	315.887														
Calcium	317.933														
Chromium	205.552														
Chromium	267.716														
Cobalt	228.616														
Copper	217.894														
Copper	327.396														
Iron	259.940														
Iron	271.441	-0.001789													
Iron	273.074														
Lead	216.999														
Lead	220.353														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	230.300														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Seattle Job Number: 580-51064-1

SDG No.: _____

ICP-AES Instrument ID: TAC047 Date: 10/01/2014

Analyte	Wave Length	V	Zn												
Selenium	196.090														
Silicon	251.611														
Silicon	288.158														
Silver	328.068	-0.002607													
Sodium	589.592														
Sodium	818.326														
Strontium	407.771														
Thallium	190.856	-0.015470													
Tin	189.989														
Titanium	334.941														
Titanium	337.280														
Vanadium	292.402														
Zinc	206.200														
Zinc	213.856														

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Seattle

Job No: 580-51064-1

SDG No.: _____

Instrument ID: TAC047

Date: 12/03/2010 07:34

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Arsenic		125	6010B
Barium		125	6010B
Cadmium		10	6010B
Chromium		50	6010B
Lead		100	6010B
Selenium		50	6010B
Silver		10	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-51064-1	06/30/2015 14:33	193639		50	50
580-51064-1 DU	06/30/2015 14:33	193639		50	50
580-51064-1 MS	06/30/2015 14:33	193639		50	50
580-51064-1 MSD	06/30/2015 14:33	193639		50	50
580-51064-2	06/30/2015 14:33	193639		50	50
580-51064-3	06/30/2015 14:33	193639		50	50
580-51064-50	06/30/2015 14:33	193639		50	50
MB 580-193544/1-B	06/30/2015 14:34	193639		50	50
LCS 580-193544/2-B	06/30/2015 14:34	193639		50	50
LCSD 580-193544/3-B	06/30/2015 14:34	193639		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-51064-6	07/02/2015 14:21	193902		50	50
580-51064-6 DU	07/02/2015 14:21	193902		50	50
580-51064-6 MS	07/02/2015 14:21	193902		50	50
580-51064-6 MSD	07/02/2015 14:21	193902		50	50
580-51064-4	07/02/2015 14:21	193902		50	50
580-51064-5	07/02/2015 14:21	193902		50	50
580-51064-7	07/02/2015 14:21	193902		50	50
580-51064-8	07/02/2015 14:21	193902		50	50
580-51064-9	07/02/2015 14:21	193902		50	50
580-51064-41	07/02/2015 14:21	193902		50	50
580-51064-42	07/02/2015 14:21	193902		50	50
580-51064-43	07/02/2015 14:21	193902		50	50
580-51064-44	07/02/2015 14:21	193902		50	50
580-51064-45	07/02/2015 14:21	193902		50	50
580-51064-46	07/02/2015 14:21	193902		50	50
580-51064-47	07/02/2015 14:22	193902		50	50
580-51064-48	07/02/2015 14:22	193902		50	50
580-51064-49	07/02/2015 14:22	193902		50	50
580-51064-51	07/02/2015 14:22	193902		50	50
580-51064-52	07/02/2015 14:22	193902		50	50
MB 580-193796/1-B	07/02/2015 14:22	193902		50	50
LCS 580-193796/2-B	07/02/2015 14:22	193902		50	50
LCSD 580-193796/3-B	07/02/2015 14:22	193902		50	50
LCSSRM 580-193902/24-A	07/02/2015 14:22	193902		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
580-51064-10	06/25/2015 12:32	193210	1.0380		50
580-51064-10 DU	06/25/2015 12:32	193210	1.0900		50
580-51064-10 MS	06/25/2015 12:32	193210	1.0916		50
580-51064-10 MSD	06/25/2015 12:32	193210	1.0997		50
580-51064-11	06/25/2015 12:32	193210	1.0601		50
580-51064-12	06/25/2015 12:32	193210	1.0989		50
580-51064-14	06/25/2015 12:32	193210	1.0884		50
580-51064-15	06/25/2015 12:32	193210	1.1386		50
580-51064-16	06/25/2015 12:32	193210	1.0754		50
580-51064-17	06/25/2015 12:32	193210	1.1426		50
580-51064-18	06/25/2015 12:32	193210	1.1474		50
580-51064-19	06/25/2015 12:32	193210	1.1398		50
580-51064-20	06/25/2015 12:32	193210	1.0760		50
580-51064-21	06/25/2015 12:32	193210	1.0883		50
580-51064-22	06/25/2015 12:32	193210	1.0685		50
580-51064-23	06/25/2015 12:32	193210	1.0409		50
580-51064-24	06/25/2015 12:32	193210	1.0567		50
580-51064-25	06/25/2015 12:32	193210	1.1043		50
MB 580-193210/19-A	06/25/2015 12:32	193210	1.0		50
LCS 580-193210/20-A	06/25/2015 12:32	193210	1.0		50
LCSD 580-193210/21-A	06/25/2015 12:32	193210	1.0		50
LCSSRM 580-193210/22-A	06/25/2015 12:32	193210	0.5064		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
580-51064-26	06/25/2015 13:18	193216	1.0298		50
580-51064-26 DU	06/25/2015 13:18	193216	1.0793		50
580-51064-26 MS	06/25/2015 13:18	193216	1.0576		50
580-51064-26 MSD	06/25/2015 13:18	193216	1.0396		50
580-51064-27	06/25/2015 13:18	193216	1.0864		50
580-51064-29	06/25/2015 13:18	193216	1.0452		50
580-51064-30	06/25/2015 13:18	193216	1.1022		50
580-51064-31	06/25/2015 13:18	193216	1.0995		50
580-51064-32	06/25/2015 13:18	193216	1.0589		50
580-51064-33	06/25/2015 13:18	193216	1.1048		50
580-51064-34	06/25/2015 13:18	193216	1.1628		50
580-51064-35	06/25/2015 13:18	193216	1.0491		50
580-51064-36	06/25/2015 13:18	193216	1.0623		50
580-51064-37	06/25/2015 13:18	193216	1.0764		50
580-51064-38	06/25/2015 13:18	193216	1.0421		50
580-51064-39	06/25/2015 13:18	193216	1.0556		50
580-51064-40	06/25/2015 13:18	193216	1.0688		50
580-51064-53	06/25/2015 13:18	193216	1.0514		50
MB 580-193216/19-A	06/25/2015 13:18	193216	1.0		50
LCS 580-193216/20-A	06/25/2015 13:18	193216	1.0		50
LCSD 580-193216/21-A	06/25/2015 13:18	193216	1.0		50
LCSSRM 580-193216/22-A	06/25/2015 13:18	193216	0.5067		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-51064-1	06/30/2015 14:48	193644		5	50
580-51064-1 DU	06/30/2015 14:48	193644		5	50
580-51064-1 MS	06/30/2015 14:48	193644		5	50
580-51064-1 MSD	06/30/2015 14:48	193644		5	50
580-51064-2	06/30/2015 14:48	193644		5	50
580-51064-3	06/30/2015 14:48	193644		5	50
580-51064-50	06/30/2015 14:48	193644		5	50
MB 580-193544/1-C	06/30/2015 14:48	193644		5	50
LCS 580-193544/2-C	06/30/2015 14:48	193644		5	50
LCSD 580-193544/3-C	06/30/2015 14:48	193644		5	50
LCSSRM 580-193544/15-C	06/30/2015 14:48	193644		5	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-51064-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-51064-6	07/02/2015 14:29	193904		5	50
580-51064-6 DU	07/02/2015 14:29	193904		5	50
580-51064-6 MS	07/02/2015 14:29	193904		5	50
580-51064-6 MSD	07/02/2015 14:29	193904		5	50
580-51064-4	07/02/2015 14:29	193904		5	50
580-51064-5	07/02/2015 14:29	193904		5	50
580-51064-7	07/02/2015 14:29	193904		5	50
580-51064-8	07/02/2015 14:29	193904		5	50
580-51064-9	07/02/2015 14:29	193904		5	50
580-51064-41	07/02/2015 14:29	193904		5	50
580-51064-42	07/02/2015 14:29	193904		5	50
580-51064-43	07/02/2015 14:29	193904		5	50
580-51064-44	07/02/2015 14:29	193904		5	50
580-51064-45	07/02/2015 14:29	193904		5	50
580-51064-46	07/02/2015 14:29	193904		5	50
580-51064-47	07/02/2015 14:29	193904		5	50
580-51064-48	07/02/2015 14:29	193904		5	50
580-51064-49	07/02/2015 14:29	193904		5	50
580-51064-51	07/02/2015 14:29	193904		5	50
580-51064-52	07/02/2015 14:29	193904		5	50
MB 580-193796/1-C	07/02/2015 14:29	193904		5	50
LCS 580-193796/2-C	07/02/2015 14:29	193904		5	50
LCSD 580-193796/3-C	07/02/2015 14:29	193904		5	50
LCSSRM 580-193904/24-A	07/02/2015 14:29	193904		5	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Instrument ID: TAC047 Method: 6010B

Start Date: 07/01/2015 08:52 End Date: 07/01/2015 11:53

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ICIS 580-193747/1	1		08:52	X	X	X	X	X	X	X									
STD1 580-193747/2 IC			08:56	X	X	X	X	X	X	X									
STD2 580-193747/3 IC			08:59	X	X	X	X	X	X	X									
STD3 580-193747/4 IC			09:02	X	X	X	X	X	X	X									
STD4 580-193747/5 IC			09:05	X	X	X	X	X	X	X									
ICV 580-193747/6	1		09:09	X	X	X	X	X	X	X									
ICB 580-193747/7	1		09:11	X	X	X	X	X	X	X									
CRI 580-193747/8	1		09:15	X	X	X	X	X	X	X									
ICSA 580-193747/9	1		09:18	X	X	X	X	X	X	X									
ICSAB 580-193747/10	1		09:21	X	X	X	X	X	X	X									
CCV 580-193747/11			09:25																
CCB 580-193747/12			09:28																
ZZZZZZ			09:31																
ZZZZZZ			09:34																
ZZZZZZ			09:38																
ZZZZZZ			09:41																
ZZZZZZ			09:44																
ZZZZZZ			09:47																
ZZZZZZ			09:50																
ZZZZZZ			09:53																
ZZZZZZ			09:55																
ZZZZZZ			09:58																
CCV 580-193747/23			10:01																
CCB 580-193747/24			10:04																
CCVL 580-193747/25			10:08																
ZZZZZZ			10:11																
ZZZZZZ			10:14																
ZZZZZZ			10:17																
ZZZZZZ			10:20																
ZZZZZZ			10:23																
ZZZZZZ			10:26																
CCV 580-193747/32	1		10:29	X	X	X	X	X	X	X									
CCB 580-193747/33	1		10:32	X	X	X	X	X	X	X									
CCVL 580-193747/34			10:35																
MB 580-193544/1-B	1	P	10:39	X	X	X	X	X	X	X									
LCS 580-193544/2-B	1	P	10:42	X	X	X	X	X	X	X									
LCSD 580-193544/3-B	1	P	10:45	X	X	X	X	X	X	X									
LCSSRM 580-193544/15-A	1	P	10:48	X	X	X	X	X	X	X									
580-51064-1 SD	5	P	10:51	X	X	X	X	X	X	X									
580-51064-1	1	P	10:54	X	X	X	X	X	X	X									
580-51064-1 DU	1	P	10:58	X	X	X	X	X	X	X									

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Instrument ID: TAC047 Method: 6010B

Start Date: 07/01/2015 08:52 End Date: 07/01/2015 11:53

Lab Sample ID	D / F	Type	Time	Analytes																
				A g	A s	B a	C d	C r	P b	S e										
580-51064-1 MS	1	P	11:01	X	X	X	X	X	X	X										
580-51064-1 MSD	1	P	11:04	X	X	X	X	X	X	X										
580-51064-1 PDS	1	P	11:07	X	X	X	X	X	X	X										
CCV 580-193747/45	1		11:10	X	X	X	X	X	X	X										
CCB 580-193747/46	1		11:12	X	X	X	X	X	X	X										
CCVL 580-193747/47			11:16																	
580-51064-2	1	P	11:19	X	X	X	X	X	X	X										
580-51064-3	1	P	11:22	X	X	X	X	X	X	X										
580-51064-50	1	P	11:26	X	X	X	X	X	X	X										
ZZZZZZ			11:29																	
ZZZZZZ			11:34																	
ZZZZZZ			11:37																	
ZZZZZZ			11:41																	
ZZZZZZ			11:44																	
CCV 580-193747/56	1		11:47	X	X	X	X	X	X	X										
CCB 580-193747/57	1		11:50	X	X	X	X	X	X	X										
CCVL 580-193747/58			11:53																	

Prep Types

P = TCLP

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Instrument ID: TAC047 Method: 6010B

Start Date: 07/06/2015 09:57 End Date: 07/06/2015 14:06

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ICIS 580-194073/1	1		09:57	X	X	X	X	X	X	X									
STD1 580-194073/2 IC			10:00	X	X	X	X	X	X	X									
STD2 580-194073/3 IC			10:03	X	X	X	X	X	X	X									
STD3 580-194073/4 IC			10:06	X	X	X	X	X	X	X									
STD4 580-194073/5 IC			10:09	X	X	X	X	X	X	X									
ICV 580-194073/6	1		10:13	X	X	X	X	X	X	X									
ICB 580-194073/7	1		10:16	X	X	X	X	X	X	X									
CRI 580-194073/8	1		10:19	X	X	X	X	X	X	X									
ICSA 580-194073/9	1		10:22	X	X	X	X	X	X	X									
ICSAB 580-194073/10	1		10:25	X	X	X	X	X	X	X									
CCV 580-194073/11			10:29																
CCB 580-194073/12			10:32																
ZZZZZZ			10:35																
ZZZZZZ			10:38																
ZZZZZZ			10:41																
ZZZZZZ			10:44																
CCV 580-194073/17	1		10:47	X	X	X	X	X	X	X									
CCB 580-194073/18	1		10:50	X	X	X	X	X	X	X									
MB 580-193796/1-B	1	P	10:54	X	X	X	X	X	X	X									
LCS 580-193796/2-B	1	P	10:57	X	X	X	X	X	X	X									
LCSD 580-193796/3-B	1	P	11:00	X	X	X	X	X	X	X									
LCSSRM 580-193902/24-A	1	T	11:03	X	X	X	X	X	X	X									
580-51064-6 SD	5	P	11:06	X	X	X	X	X	X	X									
580-51064-6	1	P	11:10	X	X	X	X	X	X	X									
580-51064-6 DU	1	P	11:13	X	X	X	X	X	X	X									
580-51064-6 MS	1	P	11:16	X	X	X	X	X	X	X									
580-51064-6 MSD	1	P	11:19	X	X	X	X	X	X	X									
580-51064-6 PDS	1	P	11:22	X	X	X	X	X	X	X									
CCV 580-194073/29	1		11:25	X	X	X	X	X	X	X									
CCB 580-194073/30	1		11:28	X	X	X	X	X	X	X									
580-51064-4	1	P	11:32	X	X	X	X	X	X	X									
580-51064-5	1	P	11:35	X	X	X	X	X	X	X									
580-51064-7	1	P	11:39	X	X	X	X	X	X	X									
580-51064-8	1	P	11:42	X	X	X	X	X	X	X									
580-51064-9	1	P	11:45	X	X	X	X	X	X	X									
580-51064-41	1	P	11:49	X	X	X	X	X	X	X									
580-51064-42	1	P	11:52	X	X	X	X	X	X	X									
CCV 580-194073/38	1		11:55	X	X	X	X	X	X	X									
CCB 580-194073/39	1		11:58	X	X	X	X	X	X	X									
580-51064-43	1	P	12:01	X	X	X	X	X	X	X									
580-51064-44	1	P	12:05	X	X	X	X	X	X	X									

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Instrument ID: TAC047 Method: 6010B

Start Date: 07/06/2015 09:57 End Date: 07/06/2015 14:06

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
580-51064-45	1	P	12:08	X	X	X	X	X	X	X									
580-51064-46	1	P	12:11	X	X	X	X	X	X	X									
580-51064-47	1	P	12:15	X	X	X	X	X	X	X									
580-51064-48	1	P	12:18	X	X	X	X	X	X	X									
580-51064-49	1	P	12:21	X	X	X	X	X	X	X									
580-51064-51	1	P	12:25	X	X	X	X	X	X	X									
580-51064-52	1	P	12:29	X	X	X	X	X	X	X									
CCV 580-194073/49	1		12:32	X	X	X	X	X	X	X									
CCB 580-194073/50	1		12:35	X	X	X	X	X	X	X									
ZZZZZZ			12:38																
ZZZZZZ			12:41																
ZZZZZZ			12:45																
ZZZZZZ			12:48																
ZZZZZZ			12:51																
ZZZZZZ			12:54																
ZZZZZZ			12:58																
ZZZZZZ			13:01																
ZZZZZZ			13:04																
CCV 580-194073/60			13:07																
CCB 580-194073/61			13:10																
ZZZZZZ			13:13																
ZZZZZZ			13:16																
ZZZZZZ			13:20																
ZZZZZZ			13:23																
CCV 580-194073/66			13:26																
CCB 580-194073/67			13:29																
ZZZZZZ			13:32																
ZZZZZZ			13:35																
ZZZZZZ			13:39																
ZZZZZZ			13:42																
ZZZZZZ			13:45																
ZZZZZZ			13:48																
ZZZZZZ			13:51																
ZZZZZZ			13:54																
ZZZZZZ			13:57																
ZZZZZZ			14:00																
CCV 580-194073/78			14:04																
CCB 580-194073/79			14:06																

Prep Types
P = TCLP
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Instrument ID: SEA044 Method: 6020

Start Date: 06/25/2015 21:40 End Date: 06/26/2015 17:15

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A	S														
ICIS 580-193444/1			21:40	X															
IC 580-193444/2	1		21:47	X															
IC 580-193444/3	1		21:54	X															
IC 580-193444/4	1		22:02	X															
IC 580-193444/5	1		22:09	X															
IC 580-193444/6	1		22:16	X															
ICV 580-193444/7	1		22:24	X															
ICB 580-193444/8	1		22:31	X															
CRI 580-193444/9	1		22:39	X															
ICSA 580-193444/10	1		22:46	X															
ICSAB 580-193444/11	1		22:53	X															
CCV 580-193444/12			10:23																
CCB 580-193444/13			10:31																
CCVL 580-193444/14	1		10:38	X															
ZZZZZZ			10:45																
ZZZZZZ			10:53																
ZZZZZZ			11:00																
ZZZZZZ			11:07																
ZZZZZZ			11:15																
ZZZZZZ			11:22																
ZZZZZZ			11:29																
ZZZZZZ			11:37																
ZZZZZZ			11:44																
ZZZZZZ			11:51																
CCV 580-193444/25			11:59																
CCB 580-193444/26			12:06																
ZZZZZZ			12:13																
ZZZZZZ			12:21																
ZZZZZZ			12:28																
ZZZZZZ			12:35																
ZZZZZZ			12:43																
ZZZZZZ			12:50																
ZZZZZZ			12:57																
ZZZZZZ			13:05																
ZZZZZZ			13:12																
ZZZZZZ			13:19																
CCV 580-193444/37	1		13:27	X															
CCB 580-193444/38	1		13:34	X															
MB 580-193210/19-A	10	T	13:41	X															
LCS 580-193210/20-A	50	T	13:49	X															
LCSD 580-193210/21-A	50	T	13:56	X															

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Instrument ID: SEA044 Method: 6020

Start Date: 06/25/2015 21:40 End Date: 06/26/2015 17:15

Lab Sample ID	D / F	Type	Time	Analytes																											
				A	S																										
LCSSRM	50	T	14:04	X																											
580-193210/22-A																															
580-51064-10 SD	50	T	14:11	X																											
580-51064-10	10	T	14:18	X																											
580-51064-10 DU	10	T	14:26	X																											
580-51064-10 MS	50	T	14:33	X																											
580-51064-10 MSD	50	T	14:40	X																											
580-51064-10 PDS	50	T	14:48	X																											
CCV 580-193444/49	1		14:55	X																											
CCB 580-193444/50	1		15:03	X																											
580-51064-11	10	T	15:10	X																											
580-51064-12	10	T	15:17	X																											
580-51064-14	10	T	15:25	X																											
580-51064-15	10	T	15:32	X																											
580-51064-16	10	T	15:39	X																											
580-51064-17	10	T	15:47	X																											
580-51064-18	10	T	15:54	X																											
580-51064-19	10	T	16:01	X																											
580-51064-20	10	T	16:09	X																											
580-51064-21	10	T	16:16	X																											
CCV 580-193444/61	1		16:23	X																											
CCB 580-193444/62	1		16:31	X																											
580-51064-22	10	T	16:38	X																											
580-51064-23	10	T	16:46	X																											
580-51064-24	10	T	16:53	X																											
580-51064-25	10	T	17:00	X																											
CCV 580-193444/67	1		17:08	X																											
CCB 580-193444/68	1		17:15	X																											

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Instrument ID: SEA103 Method: 6020

Start Date: 06/29/2015 15:40 End Date: 06/29/2015 23:46

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A	S														
CALIBSTD 580-193638/1	1		15:40	X															
IC 580-193638/2	1		15:44	X															
IC 580-193638/3	1		15:48	X															
IC 580-193638/4	1		15:52	X															
IC 580-193638/5	1		15:56	X															
IC 580-193638/6	1		16:00	X															
ICV 580-193638/7	1		16:04	X															
ICB 580-193638/8	1		16:08	X															
CRI 580-193638/9	1		16:12	X															
ICSA 580-193638/10	1		16:17	X															
ICSAB 580-193638/11	1		16:21	X															
CCV 580-193638/12			17:22																
CCB 580-193638/13			17:27																
ZZZZZZ			17:35																
ZZZZZZ			17:39																
ZZZZZZ			17:47																
CCV 580-193638/17			17:51																
CCB 580-193638/18			17:55																
ZZZZZZ			18:04																
ZZZZZZ			18:08																
ZZZZZZ			18:12																
ZZZZZZ			18:16																
ZZZZZZ			18:21																
ZZZZZZ			18:25																
ZZZZZZ			18:29																
ZZZZZZ			18:33																
ZZZZZZ			18:37																
ZZZZZZ			18:41																
CCV 580-193638/29			18:45																
CCB 580-193638/30			18:49																
ZZZZZZ			18:58																
ZZZZZZ			19:02																
ZZZZZZ			19:06																
ZZZZZZ			19:10																
ZZZZZZ			19:15																
ZZZZZZ			19:19																
ZZZZZZ			19:23																
ZZZZZZ			19:27																
ZZZZZZ			19:31																
CCV 580-193638/40			19:35																
CCB 580-193638/41			19:39																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Instrument ID: SEA103 Method: 6020

Start Date: 06/29/2015 15:40 End Date: 06/29/2015 23:46

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A	S														
ZZZZZZ			19:43																
ZZZZZZ			19:47																
ZZZZZZ			19:51																
CCV 580-193638/45			20:00																
CCB 580-193638/46			20:04																
ZZZZZZ			20:08																
ZZZZZZ			20:12																
ZZZZZZ			20:17																
ZZZZZZ			20:21																
ZZZZZZ			20:25																
ZZZZZZ			20:29																
ZZZZZZ			20:33																
ZZZZZZ			20:37																
ZZZZZZ			20:41																
CCV 580-193638/56			20:45																
CCB 580-193638/57			20:49																
ZZZZZZ			20:54																
ZZZZZZ			20:58																
ZZZZZZ			21:02																
ZZZZZZ			21:06																
ZZZZZZ			21:10																
ZZZZZZ			21:14																
ZZZZZZ			21:18																
ZZZZZZ			21:22																
ZZZZZZ			21:27																
CCV 580-193638/67	1		21:31	X															
CCB 580-193638/68	1		21:35	X															
MB 580-193216/19-A	10	T	21:39	X															
LCS 580-193216/20-A	50	T	21:43	X															
LCSD 580-193216/21-A	50	T	21:47	X															
LCSSRM 580-193216/22-A	50	T	21:51	X															
580-51064-26 SD	50	T	21:55	X															
580-51064-26	10	T	22:00	X															
580-51064-26 DU	10	T	22:04	X															
580-51064-26 MS	50	T	22:08	X															
580-51064-26 MSD	50	T	22:12	X															
580-51064-26 PDS	50	T	22:16	X															
CCV 580-193638/79	1		22:20	X															
CCB 580-193638/80	1		22:24	X															
580-51064-27	10	T	22:29	X															
580-51064-29	10	T	22:33	X															

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Instrument ID: SEA103 Method: 6020

Start Date: 06/29/2015 15:40 End Date: 06/29/2015 23:46

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A	S																	
580-51064-30	10	T	22:37	X																		
580-51064-31	10	T	22:41	X																		
580-51064-32	10	T	22:45	X																		
580-51064-33	10	T	22:49	X																		
580-51064-34	10	T	22:53	X																		
580-51064-35	10	T	22:57	X																		
580-51064-36	10	T	23:01	X																		
CCV 580-193638/90	1		23:09	X																		
CCB 580-193638/91	1		23:13	X																		
580-51064-37	10	T	23:18	X																		
580-51064-38	10	T	23:22	X																		
580-51064-39	10	T	23:26	X																		
580-51064-40	10	T	23:30	X																		
580-51064-53	10	T	23:34	X																		
CCV 580-193638/97	1		23:42	X																		
CCB 580-193638/98	1		23:46	X																		

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Instrument ID: TAC103 Method: 7470A

Start Date: 06/30/2015 09:54 End Date: 06/30/2015 18:31

Lab Sample ID	D / F	T y p e	Time	Analytes																
				H g																
STD 580-193695/1 IC			09:54	X																
STD 580-193695/2 IC			09:56	X																
STD 580-193695/3 IC			09:58	X																
STD 580-193695/4 IC			10:01	X																
STD 580-193695/5 IC			10:03	X																
STD 580-193695/6 IC			10:06	X																
ICV 580-193695/7	1		10:08	X																
ICB 580-193695/8	1		10:11	X																
CCV 580-193695/9	1		17:45	X																
CCB 580-193695/10	1		17:47	X																
MB 580-193544/1-C	1	P	17:50	X																
LCS 580-193544/2-C	1	P	17:52	X																
LCSD 580-193544/3-C	1	P	17:55	X																
LCSSRM 580-193544/15-C	1	P	17:57	X																
580-51064-1	1	P	18:00	X																
580-51064-1 DU	1	P	18:02	X																
580-51064-1 MS	1	P	18:04	X																
580-51064-1 MSD	1	P	18:07	X																
580-51064-2	1	P	18:09	X																
580-51064-3	1	P	18:12	X																
CCV 580-193695/21	1		18:14	X																
CCB 580-193695/22	1		18:17	X																
580-51064-50	1	P	18:19	X																
ZZZZZZ			18:22																	
ZZZZZZ			18:24																	
ZZZZZZ			18:26																	
CCV 580-193695/27	1		18:29	X																
CCB 580-193695/28	1		18:31	X																

Prep Types
P = TCLP

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Instrument ID: TAC104 Method: 7470A

Start Date: 07/02/2015 11:24 End Date: 07/02/2015 18:11

Lab Sample ID	D / F	T y p e	Time	Analytes																
				H g																
STD 580-194035/1 IC			11:24	X																
STD 580-194035/2 IC			11:26	X																
STD 580-194035/3 IC			11:28	X																
STD 580-194035/4 IC			11:31	X																
STD 580-194035/5 IC			11:33	X																
STD 580-194035/6 IC			11:35	X																
ICV 580-194035/7	1		11:38	X																
ICB 580-194035/8	1		11:40	X																
CCV 580-194035/9			13:46																	
CCB 580-194035/10			13:48																	
ZZZZZZ			15:36																	
ZZZZZZ			15:38																	
ZZZZZZ			15:41																	
ZZZZZZ			15:43																	
ZZZZZZ			15:45																	
ZZZZZZ			15:48																	
ZZZZZZ			15:50																	
ZZZZZZ			15:53																	
ZZZZZZ			15:55																	
ZZZZZZ			15:57																	
CCV 580-194035/21			16:00																	
CCB 580-194035/22			16:02																	
ZZZZZZ			16:05																	
ZZZZZZ			16:07																	
ZZZZZZ			16:09																	
ZZZZZZ			16:12																	
CCV 580-194035/27			16:14																	
CCB 580-194035/28			16:17																	
ZZZZZZ			16:19																	
ZZZZZZ			16:21																	
ZZZZZZ			16:24																	
ZZZZZZ			16:26																	
ZZZZZZ			16:28																	
ZZZZZZ			16:31																	
ZZZZZZ			16:33																	
ZZZZZZ			16:36																	
CCV 580-194035/37	1		16:38	X																
CCB 580-194035/38	1		16:40	X																
MB 580-193796/1-C	1	P	16:53	X																
LCS 580-193796/2-C	1	P	16:55	X																
LCSD 580-193796/3-C	1	P	16:57	X																

13-IN
 ANALYSIS RUN LOG
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Instrument ID: TAC104 Method: 7470A

Start Date: 07/02/2015 11:24 End Date: 07/02/2015 18:11

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
LCSSRM	1	T	17:00	X																			
580-193904/24-A	1	P	17:02	X																			
580-51064-6	1	P	17:04	X																			
580-51064-6 DU	1	P	17:07	X																			
580-51064-6 MS	1	P	17:09	X																			
580-51064-6 MSD	1	P	17:12	X																			
580-51064-4	1	P	17:14	X																			
580-51064-5	1	P	17:16	X																			
CCV 580-194035/49	1		17:19	X																			
CCB 580-194035/50	1		17:21	X																			
580-51064-7	1	P	17:24	X																			
580-51064-8	1	P	17:26	X																			
580-51064-9	1	P	17:28	X																			
580-51064-41	1	P	17:31	X																			
580-51064-42	1	P	17:33	X																			
580-51064-43	1	P	17:35	X																			
580-51064-44	1	P	17:38	X																			
580-51064-45	1	P	17:40	X																			
580-51064-46	1	P	17:43	X																			
580-51064-47	1	P	17:45	X																			
CCV 580-194035/61	1		17:47	X																			
CCB 580-194035/62	1		17:50	X																			
580-51064-48	1	P	17:52	X																			
580-51064-49	1	P	17:54	X																			
580-51064-51	1	P	17:57	X																			
580-51064-52	1	P	18:09	X																			
CCV 580-194035/67	1		18:11	X																			
CCB 580-194035/68	1																						

Prep Types
 P = TCLP
 T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

ICP-MS Instrument ID: SEA044 Start Date: 06/25/2015 End Date: 06/26/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element Rh-103	Q	Element Ho	Q
IC 580-193444/2	21:47	101		101		101		101		101	
IC 580-193444/3	21:54	100		99		101		100		100	
IC 580-193444/4	22:02	100		99		101		99		99	
IC 580-193444/5	22:09	98		102		101		100		101	
IC 580-193444/6	22:16	98		100		101		97		98	
ICV 580-193444/7	22:24	98		100		101		98		99	
ICB 580-193444/8	22:31	99		100		100		101		100	
CRI 580-193444/9	22:39	99		100		101		101		99	
ICSA 580-193444/10	22:46	94		98		97		93		96	
ICSAB 580-193444/11	22:53	93		98		97		92		97	
CCVL 580-193444/14	10:38	97		94		95		97		102	
CCV 580-193444/37	13:27	98		96		95		95		97	
CCB 580-193444/38	13:34	100		97		96		96		98	
MB 580-193210/19-A	13:41	100		96		95		96		98	
LCS 580-193210/20-A	13:49	99		95		95		95		97	
LCSD 580-193210/21-	13:56	99		96		94		95		97	
LCSSRM 580-193210/2	14:04	99		95		95		95		98	
580-51064-10 SD	14:11	101		95		94		95		97	
580-51064-10	14:18	101		96		94		94		98	
580-51064-10 DU	14:26	100		95		93		92		96	
580-51064-10 MS	14:33	102		96		95		95		97	
580-51064-10 MSD	14:40	103		97		95		95		98	
580-51064-10 PDS	14:48	100		93		91		91		95	
CCV 580-193444/49	14:55	99		95		93		92		95	
CCB 580-193444/50	15:03	102		95		95		95		97	
580-51064-11	15:10	102		97		94		93		96	
580-51064-12	15:17	103		95		94		94		97	
580-51064-14	15:25	102		96		93		92		96	
580-51064-15	15:32	102		95		92		92		96	
580-51064-16	15:39	102		96		94		94		97	
580-51064-17	15:47	102		95		93		93		96	
580-51064-18	15:54	100		96		93		91		96	
580-51064-19	16:01	101		95		92		92		95	
580-51064-20	16:09	101		96		93		93		96	
580-51064-21	16:16	102		97		93		92		96	
CCV 580-193444/61	16:23	99		96		93		92		95	
CCB 580-193444/62	16:31	101		95		94		95		95	
580-51064-22	16:38	101		96		93		92		95	
580-51064-23	16:46	103		96		93		92		95	
580-51064-24	16:53	102		96		93		92		95	
580-51064-25	17:00	101		94		91		91		93	
CCV 580-193444/67	17:08	98		95		92		91		92	

15-IN
 ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

ICP-MS Instrument ID: SEA044 Start Date: 06/25/2015 End Date: 06/26/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element Rh-103	Q	Element Ho	Q
CCB 580-193444/68	17:15	101		97		93		93		95	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

ICP-MS Instrument ID: SEA044 Start Date: 06/25/2015 End Date: 06/26/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
IC 580-193444/2	21:47	102									
IC 580-193444/3	21:54	99									
IC 580-193444/4	22:02	98									
IC 580-193444/5	22:09	99									
IC 580-193444/6	22:16	95									
ICV 580-193444/7	22:24	97									
ICB 580-193444/8	22:31	100									
CRI 580-193444/9	22:39	101									
ICSA 580-193444/10	22:46	92									
ICSAB 580-193444/11	22:53	93									
CCVL 580-193444/14	10:38	101									
CCV 580-193444/37	13:27	94									
CCB 580-193444/38	13:34	96									
MB 580-193210/19-A	13:41	96									
LCS 580-193210/20-A	13:49	95									
LCSD 580-193210/21-	13:56	95									
LCSSRM 580-193210/2	14:04	95									
580-51064-10 SD	14:11	95									
580-51064-10	14:18	95									
580-51064-10 DU	14:26	94									
580-51064-10 MS	14:33	94									
580-51064-10 MSD	14:40	95									
580-51064-10 PDS	14:48	91									
CCV 580-193444/49	14:55	92									
CCB 580-193444/50	15:03	94									
580-51064-11	15:10	94									
580-51064-12	15:17	93									
580-51064-14	15:25	94									
580-51064-15	15:32	91									
580-51064-16	15:39	94									
580-51064-17	15:47	94									
580-51064-18	15:54	92									
580-51064-19	16:01	92									
580-51064-20	16:09	92									
580-51064-21	16:16	93									
CCV 580-193444/61	16:23	91									
CCB 580-193444/62	16:31	92									
580-51064-22	16:38	92									
580-51064-23	16:46	93									
580-51064-24	16:53	93									
580-51064-25	17:00	90									
CCV 580-193444/67	17:08	89									

15-IN
 ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

ICP-MS Instrument ID: SEA044 Start Date: 06/25/2015 End Date: 06/26/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
CCB 580-193444/68	17:15	91									

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

ICP-MS Instrument ID: SEA103 Start Date: 06/29/2015 End Date: 06/29/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element Rh-103	Q	Element Ho	Q
CALIBSTD 580-193638	15:40	100		100		100		100		100	
IC 580-193638/2	15:44	96		97		99		97		96	
IC 580-193638/3	15:48	77		84		86		82		78	
IC 580-193638/4	15:52	79		84		87		82		81	
IC 580-193638/5	15:56	78		84		87		82		80	
IC 580-193638/6	16:00	78		85		88		81		80	
ICV 580-193638/7	16:04			86		88		82		80	
ICB 580-193638/8	16:08			87		89		84		80	
CRI 580-193638/9	16:12			89		89		86		82	
ICSA 580-193638/10	16:17			85		87					
ICSAB 580-193638/11	16:21			85		86					
CCV 580-193638/67	21:31	82		93		94		85		83	
CCB 580-193638/68	21:35	82		92		93		87		84	
MB 580-193216/19-A	21:39	83		93		94		86		86	
LCS 580-193216/20-A	21:43	81		91		93		84		83	
LCSD 580-193216/21-	21:47	81		94		92		86		83	
LCSSRM 580-193216/2	21:51	81		93		93		86		85	
580-51064-26 SD	21:55	81		92		91		85		82	
580-51064-26	22:00	82		93		92		83		83	
580-51064-26 DU	22:04	79		91		91		84		82	
580-51064-26 MS	22:08	81		93		92		86		82	
580-51064-26 MSD	22:12	81		93		93		85		83	
580-51064-26 PDS	22:16	81		90		91		83		82	
CCV 580-193638/79	22:20			92		91		86		83	
CCB 580-193638/80	22:24	83		93		94		86		84	
580-51064-27	22:29	80		94		92		83		82	
580-51064-29	22:33	80		92		90		84		82	
580-51064-30	22:37	82		93		92		84		82	
580-51064-31	22:41	81		92		91		84		80	
580-51064-32	22:45	79		90		91		82		81	
580-51064-33	22:49	79		91		92		83		82	
580-51064-34	22:53	81		93		92		83		83	
580-51064-35	22:57	80		91		92		83		82	
580-51064-36	23:01	78		91		90		82		82	
CCV 580-193638/90	23:09			91		91		85		83	
CCB 580-193638/91	23:13			91		91		84		81	
580-51064-37	23:18	77		90		90		83		82	
580-51064-38	23:22	80		93		92		84		83	
580-51064-39	23:26	79		92		93		83		82	
580-51064-40	23:30	77		90		90		82		81	
580-51064-53	23:34	76		88		90		81		78	
CCV 580-193638/97	23:42			93		91		83		80	

15-IN
 ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

ICP-MS Instrument ID: SEA103 Start Date: 06/29/2015 End Date: 06/29/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element Rh-103	Q	Element Ho	Q
CCB 580-193638/98	23:46			91		92		85			

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

ICP-MS Instrument ID: SEA103 Start Date: 06/29/2015 End Date: 06/29/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
CALIBSTD 580-193638	15:40	100									
IC 580-193638/2	15:44	97									
IC 580-193638/3	15:48	74									
IC 580-193638/4	15:52	73									
IC 580-193638/5	15:56	72									
IC 580-193638/6	16:00	73									
ICV 580-193638/7	16:04										
ICB 580-193638/8	16:08										
CRI 580-193638/9	16:12										
ICSA 580-193638/10	16:17										
ICSAB 580-193638/11	16:21										
CCV 580-193638/67	21:31										
CCB 580-193638/68	21:35	82									
MB 580-193216/19-A	21:39	83									
LCS 580-193216/20-A	21:43	79									
LCSD 580-193216/21-	21:47	82									
LCSSRM 580-193216/2	21:51	81									
580-51064-26 SD	21:55	83									
580-51064-26	22:00	81									
580-51064-26 DU	22:04	79									
580-51064-26 MS	22:08	80									
580-51064-26 MSD	22:12	80									
580-51064-26 PDS	22:16	79									
CCV 580-193638/79	22:20										
CCB 580-193638/80	22:24	80									
580-51064-27	22:29	79									
580-51064-29	22:33	77									
580-51064-30	22:37	80									
580-51064-31	22:41	76									
580-51064-32	22:45	76									
580-51064-33	22:49	78									
580-51064-34	22:53	78									
580-51064-35	22:57	78									
580-51064-36	23:01	76									
CCV 580-193638/90	23:09										
CCB 580-193638/91	23:13										
580-51064-37	23:18	76									
580-51064-38	23:22	78									
580-51064-39	23:26	78									
580-51064-40	23:30	75									
580-51064-53	23:34	74									
CCV 580-193638/97	23:42										

15-IN
 ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

ICP-MS Instrument ID: SEA103 Start Date: 06/29/2015 End Date: 06/29/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
CCB 580-193638/98	23:46										

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193544 Batch Start Date: 06/29/15 18:04 Batch Analyst: Lundell, Rich B

Batch Method: 1311 Batch End Date: 06/30/15 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_SampleWeigh t	EFD_VolumeWater Add	EFD_InitialpH	EFD_SecondpH Che ck
MB 580-193544/1		1311, 3010A, 6010B		100 g	2000 mL			4.95 SU	
LCS 580-193544/2		1311, 3010A, 6010B		100 g	2000 mL			4.95 SU	
LCSD 580-193544/3		1311, 3010A, 6010B		100 g	2000 mL			4.95 SU	
580-51064-A-1	TCLP-393-A	1311, 3010A, 6010B	P	100.1 g	2000 mL	5.1 g	96.5 mL	6.89 SU	1.85 SU
580-51064-A-2	TCLP-393-B-1	1311, 3010A, 6010B	P	100.1 g	2000 mL	5.0 g	96.5 mL	6.55 SU	1.83 SU
580-51064-A-3	TCLP-391-A-1	1311, 3010A, 6010B	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.62 SU	1.79 SU
580-51064-A-50	TCLP-386-A	1311, 3010A, 6010B	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.05 SU	1.68 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid			
MB 580-193544/1		1311, 3010A, 6010B		4.95 SU	100 %	1			
LCS 580-193544/2		1311, 3010A, 6010B		4.95 SU	100 %	1			
LCSD 580-193544/3		1311, 3010A, 6010B		4.95 SU	100 %	1			
580-51064-A-1	TCLP-393-A	1311, 3010A, 6010B	P	4.95 SU	100 %	1			
580-51064-A-2	TCLP-393-B-1	1311, 3010A, 6010B	P	4.95 SU	100 %	1			
580-51064-A-3	TCLP-391-A-1	1311, 3010A, 6010B	P	4.93 SU	100 %	1			
580-51064-A-50	TCLP-386-A	1311, 3010A, 6010B	P	4.92 SU	100 %	1			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193544 Batch Start Date: 06/29/15 18:04 Batch Analyst: Lundell, Rich B

Batch Method: 1311 Batch End Date: 06/30/15 13:00

Batch Notes	
1N Lot #	1493896
Balance ID	sea231
Bottle Lot Number	0129001x, 0427101v
pH Buffer 1 ID	1310882 (pH2)
pH Buffer 2 ID	135952 (pH7)
pH Buffer 3 ID	134095 (pH10)
pH Buffer 4 ID	1406B18 (pH7, 2nd source)
First End time	6/30/15@1130
Filter Lot #	9626946
Hot Plate ID	sp73235/50c/10min
pH Meter ID	3
Room Temperature Thermometer ID	122531678
First Start time	6/29/15@1930
TCLP Fluid 1 ID	1476384
TCLP Fluid 1 pH	4.95
TCLP Fluid 2 ID	1487598
TCLP Fluid 2 pH	2.90
Maximum Temperature	24.1 Degrees C
Minimum Temperature	22.8 Degrees C
ID number of the thermometer	64155
Tumbler Rotations per Minute	30
Uncorrected Maximum Temperature	24.2 Degrees C
Uncorrected Minimum Temperature	22.9 Degrees C

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193639 Batch Start Date: 06/30/15 14:33 Batch Analyst: Boardway, Peter A

Batch Method: 3010A Batch End Date: 06/30/15 18:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	m-GPS-1 00037	m-GPS-2 00029	m-GPS-3 00031	m-GPS-4 00031
580-51064-A-1-A	TCLP-393-A	3010A, 6010B	P	50 mL	50 mL				
580-51064-A-1-A DU	TCLP-393-A	3010A, 6010B	P	50 mL	50 mL				
580-51064-A-1-A MS	TCLP-393-A	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-51064-A-1-A MSD	TCLP-393-A	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-51064-A-2-A	TCLP-393-B-1	3010A, 6010B	P	50 mL	50 mL				
580-51064-A-3-A	TCLP-391-A-1	3010A, 6010B	P	50 mL	50 mL				
580-51064-A-50- A MB	TCLP-386-A	3010A, 6010B	P	50 mL	50 mL				
580-193544/1-A		3010A, 6010B		50 mL	50 mL				
LCS 580-193544/2-A		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCS 580-193544/3-A		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL

Batch Notes	
Lot # of hydrochloric acid	1414631
Lot # of Nitric Acid	1472183
Hot Block ID number	38010
Oven, Bath or Block Temperature 1	94.6 CORRECTED-TEMP Degrees C
Oven, Bath or Block Temperature 2	94.6 CORRECTED-TEMP Degrees C
Pipette ID	METALS-PREP-2
ID number of the thermometer	HB-01
Digestion Tube/Cup Lot #	1414496
Uncorrected Temperature	95 Celsius

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193796 Batch Start Date: 07/01/15 17:19 Batch Analyst: Chan, Aaron L

Batch Method: 1311 Batch End Date: 07/02/15 13:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_SampleWeigh t	EFD_VolumeWater Add	EFD_InitialpH	EFD_SecondpH Che ck
MB 580-193796/1		1311, 3010A, 6010B		100 g	2000 mL			4.95 SU	
LCS 580-193796/2		1311, 3010A, 6010B		100 g	2000 mL			4.95 SU	
LCSD 580-193796/3		1311, 3010A, 6010B		100 g	2000 mL			4.95 SU	
580-51064-A-4	TCLP-392-A	1311, 3010A, 6010B	P	100.1 g	2000 mL	5.0 g	96.5 mL	6.33 SU	1.73 SU
580-51064-A-5	TCLP-389-A	1311, 3010A, 6010B	P	100.0 g	2000 mL	5.1 g	96.5 mL	6.25 SU	1.75 SU
580-51064-A-6	TCLP-388-A	1311, 3010A, 6010B	P	100.1 g	2000 mL	5.1 g	96.5 mL	6.31 SU	1.73 SU
580-51064-A-7	TCLP-400-DU-A-B	1311, 3010A, 6010B	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.45 SU	1.74 SU
580-51064-A-8	TCLP-396-A	1311, 3010A, 6010B	P	100.1 g	2000 mL	5.1 g	96.5 mL	5.93 SU	1.73 SU
580-51064-A-9	TCLP-387-A	1311, 3010A, 6010B	P	100.1 g	2000 mL	5.0 g	96.5 mL	6.37 SU	1.72 SU
580-51064-A-41	TCLP-373-A	1311, 3010A, 6010B	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.19 SU	1.70 SU
580-51064-A-42	TCLP-374-A	1311, 3010A, 6010B	P	100.0 g	2000 mL	5.0 g	96.5 mL	4.76 SU	
580-51064-A-43	TCLP-375-A	1311, 3010A, 6010B	P	100.1 g	2000 mL	5.1 g	96.5 mL	5.98 SU	1.57 SU
580-51064-A-44	TCLP-376-A	1311, 3010A, 6010B	P	100.2 g	2000 mL	5.1 g	96.5 mL	5.49 SU	1.57 SU
580-51064-A-45	TCLP-377-A	1311, 3010A, 6010B	P	100.1 g	2000 mL	5.1 g	96.5 mL	6.05 SU	1.59 SU
580-51064-A-46	TCLP-377-B	1311, 3010A, 6010B	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.11 SU	1.62 SU
580-51064-A-47	TCLP-381-A	1311, 3010A, 6010B	P	100.2 g	2000 mL	5.1 g	96.5 mL	6.24 SU	1.64 SU
580-51064-A-48	TCLP-382-A	1311, 3010A, 6010B	P	100.1 g	2000 mL	5.0 g	96.5 mL	6.17 SU	1.61 SU
580-51064-A-49	TCLP-383-A	1311, 3010A, 6010B	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.32 SU	1.62 SU
580-51064-A-51	TCLP-390-A	1311, 3010A, 6010B	P	100.1 g	2000 mL	5.1 g	96.5 mL	6.26 SU	1.64 SU
580-51064-A-52	TCLP-394-A	1311, 3010A, 6010B	P	100.0 g	2000 mL	5.1 g	96.5 mL	6.10 SU	1.58 SU

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193796 Batch Start Date: 07/01/15 17:19 Batch Analyst: Chan, Aaron L

Batch Method: 1311 Batch End Date: 07/02/15 13:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid			
MB 580-193796/1		1311, 3010A, 6010B		4.95 SU	100 %	1			
LCS 580-193796/2		1311, 3010A, 6010B		4.95 SU	100 %	1			
LCSD 580-193796/3		1311, 3010A, 6010B		4.95 SU	100 %	1			
580-51064-A-4	TCLP-392-A	1311, 3010A, 6010B	P	4.94 SU	100 %	1			
580-51064-A-5	TCLP-389-A	1311, 3010A, 6010B	P	4.94 SU	100 %	1			
580-51064-A-6	TCLP-388-A	1311, 3010A, 6010B	P	4.93 SU	100 %	1			
580-51064-A-7	TCLP-400-DU-A-B	1311, 3010A, 6010B	P	4.93 SU	100 %	1			
580-51064-A-8	TCLP-396-A	1311, 3010A, 6010B	P	4.93 SU	100 %	1			
580-51064-A-9	TCLP-387-A	1311, 3010A, 6010B	P	4.91 SU	100 %	1			
580-51064-A-41	TCLP-373-A	1311, 3010A, 6010B	P	4.93 SU	100 %	1			
580-51064-A-42	TCLP-374-A	1311, 3010A, 6010B	P	4.91 SU	100 %	1			
580-51064-A-43	TCLP-375-A	1311, 3010A, 6010B	P	4.93 SU	100 %	1			
580-51064-A-44	TCLP-376-A	1311, 3010A, 6010B	P	4.91 SU	100 %	1			
580-51064-A-45	TCLP-377-A	1311, 3010A, 6010B	P	4.92 SU	100 %	1			
580-51064-A-46	TCLP-377-B	1311, 3010A, 6010B	P	4.93 SU	100 %	1			
580-51064-A-47	TCLP-381-A	1311, 3010A, 6010B	P	4.95 SU	100 %	1			
580-51064-A-48	TCLP-382-A	1311, 3010A, 6010B	P	4.93 SU	100 %	1			
580-51064-A-49	TCLP-383-A	1311, 3010A, 6010B	P	4.95 SU	100 %	1			
580-51064-A-51	TCLP-390-A	1311, 3010A, 6010B	P	4.94 SU	100 %	1			
580-51064-A-52	TCLP-394-A	1311, 3010A, 6010B	P	4.93 SU	100 %	1			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193796 Batch Start Date: 07/01/15 17:19 Batch Analyst: Chan, Aaron L

Batch Method: 1311 Batch End Date: 07/02/15 13:15

Batch Notes	
1N Lot #	1493896
Balance ID	sea231
Bottle Lot Number	0129001x, 0427101v
pH Buffer 1 ID	1310882 (pH2)
pH Buffer 2 ID	135952 (pH7)
pH Buffer 3 ID	134095 (pH10)
pH Buffer 4 ID	1406B18 (pH7, 2nd source)
First End time	7/2/15@1200
Filter Lot #	9626946
Hot Plate ID	sp73235/50c/10min
pH Meter ID	3
Room Temperature Thermometer ID	122531678
First Start time	7/1/15@1900
TCLP Fluid 1 ID	1476384
TCLP Fluid 1 pH	4.95
TCLP Fluid 2 ID	1487598
TCLP Fluid 2 pH	2.90
Maximum Temperature	23.7 Degrees C
Minimum Temperature	22.8 Degrees C
ID number of the thermometer	64155
Tumbler Rotations per Minute	30
Uncorrected Maximum Temperature	23.8 Degrees C
Uncorrected Minimum Temperature	22.9 Degrees C

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193902 Batch Start Date: 07/02/15 14:21 Batch Analyst: Boardway, Peter A

Batch Method: 3010A Batch End Date: 07/02/15 18:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	m-GPS-1 00037	m-GPS-2 00029	m-GPS-3 00031	m-GPS-4 00031
580-51064-A-6-A	TCLP-388-A	3010A, 6010B	P	50 mL	50 mL				
580-51064-A-6-A DU	TCLP-388-A	3010A, 6010B	P	50 mL	50 mL				
580-51064-A-6-A MS	TCLP-388-A	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-51064-A-6-A MSD	TCLP-388-A	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-51064-A-4-A	TCLP-392-A	3010A, 6010B	P	50 mL	50 mL				
580-51064-A-5-A	TCLP-389-A	3010A, 6010B	P	50 mL	50 mL				
580-51064-A-7-A	TCLP-400-DU-A-B	3010A, 6010B	P	50 mL	50 mL				
580-51064-A-8-A	TCLP-396-A	3010A, 6010B	P	50 mL	50 mL				
580-51064-A-9-A	TCLP-387-A	3010A, 6010B	P	50 mL	50 mL				
580-51064-A-41- A	TCLP-373-A	3010A, 6010B	P	50 mL	50 mL				
580-51064-A-42- A	TCLP-374-A	3010A, 6010B	P	50 mL	50 mL				
580-51064-A-43- A	TCLP-375-A	3010A, 6010B	P	50 mL	50 mL				
580-51064-A-44- A	TCLP-376-A	3010A, 6010B	P	50 mL	50 mL				
580-51064-A-45- A	TCLP-377-A	3010A, 6010B	P	50 mL	50 mL				
580-51064-A-46- A	TCLP-377-B	3010A, 6010B	P	50 mL	50 mL				
580-51064-A-47- A	TCLP-381-A	3010A, 6010B	P	50 mL	50 mL				
580-51064-A-48- A	TCLP-382-A	3010A, 6010B	P	50 mL	50 mL				
580-51064-A-49- A	TCLP-383-A	3010A, 6010B	P	50 mL	50 mL				
580-51064-A-51- A	TCLP-390-A	3010A, 6010B	P	50 mL	50 mL				
580-51064-A-52- A	TCLP-394-A	3010A, 6010B	P	50 mL	50 mL				
MB 580-193796/1-A		3010A, 6010B		50 mL	50 mL				
LCS 580-193796/2-A		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCS 580-193796/3-A		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193902 Batch Start Date: 07/02/15 14:21 Batch Analyst: Boardway, Peter A

Batch Method: 3010A Batch End Date: 07/02/15 18:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	m-GPS-1 00037	m-GPS-2 00029	m-GPS-3 00031	m-GPS-4 00031
LCSSRM 580-193902/24		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL

Batch Notes	
Lot # of hydrochloric acid	1414631
Lot # of Nitric Acid	1472183
Hot Block ID number	41291
Oven, Bath or Block Temperature 1	94.6 CORRECTED-TEMP Degrees C
Oven, Bath or Block Temperature 2	94.6 CORRECTED-TEMP Degrees C
Pipette ID	METALS-PREP-2
ID number of the thermometer	HB-01
Digestion Tube/Cup Lot #	1414496
Uncorrected Temperature	95 Celsius

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193210 Batch Start Date: 06/25/15 13:10 Batch Analyst: Nijjar, Manjit K

Batch Method: 3050B Batch End Date: 06/25/15 14:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	m-GPS-1 00037	m-GPS-2 00029	m-GPS-3 00031
580-51064-A-10-A	376-A-04-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0380 g	50 mL			
580-51064-A-10-A DU	376-A-04-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0900 g	50 mL			
580-51064-A-10-A MS	376-A-04-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0916 g	50 mL	1 mL	1 mL	1 mL
580-51064-A-10-A MSD	376-A-04-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0997 g	50 mL	1 mL	1 mL	1 mL
580-51064-A-11-A	370-B-05-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0601 g	50 mL			
580-51064-A-12-A	372-A-04-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0989 g	50 mL			
580-51064-A-14-A	377-B-02-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0884 g	50 mL			
580-51064-A-15-A	377-A-05-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.1386 g	50 mL			
580-51064-A-16-A	383-A-04-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0754 g	50 mL			
580-51064-A-17-A	381-A-01-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.1426 g	50 mL			
580-51064-A-18-A	374-A-05-B1	3050B, 6020	T	CALC NOT SET TO RUN	1.1474 g	50 mL			
580-51064-A-19-A	373-A-04-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.1398 g	50 mL			
580-51064-A-20-A	375-A-05-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0760 g	50 mL			
580-51064-A-21-A	375-A-08-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0883 g	50 mL			
580-51064-A-22-A	382-A-01-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0685 g	50 mL			
580-51064-A-23-A	394-A-05-B	3050B, 6020	T	CALC NOT SET TO RUN	1.0409 g	50 mL			
580-51064-A-24-A	394-A-07-B	3050B, 6020	T	CALC NOT SET TO RUN	1.0567 g	50 mL			
580-51064-A-25-A	386-A-06-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.1043 g	50 mL			
MB 580-193210/19		3050B, 6020		CALC NOT SET TO RUN	1.0 g	50 mL			
LCS 580-193210/20		3050B, 6020		CALC NOT SET TO RUN	1.0 g	50 mL	1 mL	1 mL	1 mL
LCSD 580-193210/21		3050B, 6020		CALC NOT SET TO RUN	1.0 g	50 mL	1 mL	1 mL	1 mL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193210 Batch Start Date: 06/25/15 13:10 Batch Analyst: Nijjar, Manjit K

Batch Method: 3050B Batch End Date: 06/25/15 14:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	m-GPS-1 00037	m-GPS-2 00029	m-GPS-3 00031
LCSSRM 580-193210/22		3050B, 6020		CALC NOT SET TO RUN	0.5064 g	50 mL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	m-GPS-4 00031	SRMsolid 00010				
580-51064-A-10-A	376-A-04-B-1	3050B, 6020	T						
580-51064-A-10-A DU	376-A-04-B-1	3050B, 6020	T						
580-51064-A-10-A MS	376-A-04-B-1	3050B, 6020	T	1 mL					
580-51064-A-10-A MSD	376-A-04-B-1	3050B, 6020	T	1 mL					
580-51064-A-11-A	370-B-05-B-1	3050B, 6020	T						
580-51064-A-12-A	372-A-04-B-1	3050B, 6020	T						
580-51064-A-14-A	377-B-02-B-1	3050B, 6020	T						
580-51064-A-15-A	377-A-05-B-1	3050B, 6020	T						
580-51064-A-16-A	383-A-04-B-1	3050B, 6020	T						
580-51064-A-17-A	381-A-01-B-1	3050B, 6020	T						
580-51064-A-18-A	374-A-05-B1	3050B, 6020	T						
580-51064-A-19-A	373-A-04-B-1	3050B, 6020	T						
580-51064-A-20-A	375-A-05-B-1	3050B, 6020	T						
580-51064-A-21-A	375-A-08-B-1	3050B, 6020	T						
580-51064-A-22-A	382-A-01-B-1	3050B, 6020	T						
580-51064-A-23-A	394-A-05-B	3050B, 6020	T						
580-51064-A-24-A	394-A-07-B	3050B, 6020	T						
580-51064-A-25-A	386-A-06-B-1	3050B, 6020	T						
MB 580-193210/19		3050B, 6020							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193210 Batch Start Date: 06/25/15 13:10 Batch Analyst: Nijjar, Manjit K

Batch Method: 3050B Batch End Date: 06/25/15 14:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	m-GPS-4 00031	SRMsolid 00010				
LCS 580-193210/20		3050B, 6020		1 mL					
LCSD 580-193210/21		3050B, 6020		1 mL					
LCSSRM 580-193210/22		3050B, 6020			0.5064 g				

Batch Notes	
Balance ID	SEA228
Hydrogen peroxide lot number	1324292
Lot # of hydrochloric acid	1446213
Logbook ID for diluted Nitric	1304262
Lot # of Nitric Acid	1472183
Hot Block ID number	41291
Oven, Bath or Block Temperature 1	92.6 Degrees C
Oven, Bath or Block Temperature 2	92.6 Degrees C
Pipette ID	METALS-PREP-2
ID number of the thermometer	HB-01
Digestion Tube/Cup Lot #	1486542
Uncorrected Temperature	93 Celsius
Uncorrected Temperature 2	93 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193216 Batch Start Date: 06/26/15 07:00 Batch Analyst: Nijjar, Manjit K

Batch Method: 3050B Batch End Date: 06/26/15 08:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	m-GPS-1 00037	m-GPS-2 00029	m-GPS-3 00031
580-51064-A-26-A	386-A-04-C-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0298 g	50 mL			
580-51064-A-26-A DU	386-A-04-C-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0793 g	50 mL			
580-51064-A-26-A MS	386-A-04-C-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0576 g	50 mL	1 mL	1 mL	1 mL
580-51064-A-26-A MSD	386-A-04-C-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0396 g	50 mL	1 mL	1 mL	1 mL
580-51064-A-27-A	393-A-01-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0864 g	50 mL			
580-51064-A-29-A	393-B-05-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0452 g	50 mL			
580-51064-A-30-A	391-A-04-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.1022 g	50 mL			
580-51064-A-31-A	390-A-04-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0995 g	50 mL			
580-51064-A-32-A	392-A-01-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0589 g	50 mL			
580-51064-A-33-A	389-A-02-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.1048 g	50 mL			
580-51064-A-34-A	388-A-02-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.1628 g	50 mL			
580-51064-A-35-A	388-A-06-D-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0491 g	50 mL			
580-51064-A-36-A	400-B-04-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0623 g	50 mL			
580-51064-A-37-A	400-A-03-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0764 g	50 mL			
580-51064-A-38-A	396-A-06-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0421 g	50 mL			
580-51064-A-39-A	386-A-02-A-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0556 g	50 mL			
580-51064-A-40-A	387-A-04-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0688 g	50 mL			
580-51064-A-53-A	393-A-01-C-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0514 g	50 mL			
MB 580-193216/19		3050B, 6020		CALC NOT SET TO RUN	1.0 g	50 mL			
LCS 580-193216/20		3050B, 6020		CALC NOT SET TO RUN	1.0 g	50 mL	1 mL	1 mL	1 mL
LCSD 580-193216/21		3050B, 6020		CALC NOT SET TO RUN	1.0 g	50 mL	1 mL	1 mL	1 mL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193216 Batch Start Date: 06/26/15 07:00 Batch Analyst: Nijjar, Manjit K

Batch Method: 3050B Batch End Date: 06/26/15 08:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	m-GPS-1 00037	m-GPS-2 00029	m-GPS-3 00031
LCSSRM 580-193216/22		3050B, 6020		CALC NOT SET TO RUN	0.5067 g	50 mL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	m-GPS-4 00031	SRMsolid 00010				
580-51064-A-26-A	386-A-04-C-1	3050B, 6020	T						
580-51064-A-26-A DU	386-A-04-C-1	3050B, 6020	T						
580-51064-A-26-A MS	386-A-04-C-1	3050B, 6020	T	1 mL					
580-51064-A-26-A MSD	386-A-04-C-1	3050B, 6020	T	1 mL					
580-51064-A-27-A	393-A-01-B-1	3050B, 6020	T						
580-51064-A-29-A	393-B-05-B-1	3050B, 6020	T						
580-51064-A-30-A	391-A-04-B-1	3050B, 6020	T						
580-51064-A-31-A	390-A-04-B-1	3050B, 6020	T						
580-51064-A-32-A	392-A-01-B-1	3050B, 6020	T						
580-51064-A-33-A	389-A-02-B-1	3050B, 6020	T						
580-51064-A-34-A	388-A-02-B-1	3050B, 6020	T						
580-51064-A-35-A	388-A-06-D-1	3050B, 6020	T						
580-51064-A-36-A	400-B-04-B-1	3050B, 6020	T						
580-51064-A-37-A	400-A-03-B-1	3050B, 6020	T						
580-51064-A-38-A	396-A-06-B-1	3050B, 6020	T						
580-51064-A-39-A	386-A-02-A-1	3050B, 6020	T						
580-51064-A-40-A	387-A-04-B-1	3050B, 6020	T						
580-51064-A-53-A	393-A-01-C-1	3050B, 6020	T						
MB 580-193216/19		3050B, 6020							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193216 Batch Start Date: 06/26/15 07:00 Batch Analyst: Nijjar, Manjit K

Batch Method: 3050B Batch End Date: 06/26/15 08:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	m-GPS-4 00031	SRMsolid 00010				
LCS 580-193216/20		3050B, 6020		1 mL					
LCSD 580-193216/21		3050B, 6020		1 mL					
LCSSRM 580-193216/22		3050B, 6020			0.5067 g				

Batch Notes	
Balance ID	SEA228
Hydrogen peroxide lot number	1324292
Lot # of hydrochloric acid	1446213
Logbook ID for diluted Nitric	1304262
Lot # of Nitric Acid	1472183
Hot Block ID number	38009
Oven, Bath or Block Temperature 1	92.6 Degrees C
Oven, Bath or Block Temperature 2	92.6 Degrees C
Pipette ID	METALS-PREP-2
ID number of the thermometer	HB-01
Digestion Tube/Cup Lot #	1486542
Uncorrected Temperature	93 Celsius
Uncorrected Temperature 2	93 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193544 Batch Start Date: 06/29/15 18:04 Batch Analyst: Lundell, Rich B

Batch Method: 1311 Batch End Date: 06/30/15 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_SampleWeigh t	EFD_VolumeWater Add	EFD_InitialpH	EFD_SecondpH ck
MB 580-193544/1		1311, 7470A, 7470A		100 g	2000 mL			4.95 SU	
LCS 580-193544/2		1311, 7470A, 7470A		100 g	2000 mL			4.95 SU	
LCSD 580-193544/3		1311, 7470A, 7470A		100 g	2000 mL			4.95 SU	
580-51064-A-1	TCLP-393-A	1311, 7470A, 7470A	P	100.1 g	2000 mL	5.1 g	96.5 mL	6.89 SU	1.85 SU
580-51064-A-2	TCLP-393-B-1	1311, 7470A, 7470A	P	100.1 g	2000 mL	5.0 g	96.5 mL	6.55 SU	1.83 SU
580-51064-A-3	TCLP-391-A-1	1311, 7470A, 7470A	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.62 SU	1.79 SU
580-51064-A-50	TCLP-386-A	1311, 7470A, 7470A	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.05 SU	1.68 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid			
MB 580-193544/1		1311, 7470A, 7470A		4.95 SU	100 %	1			
LCS 580-193544/2		1311, 7470A, 7470A		4.95 SU	100 %	1			
LCSD 580-193544/3		1311, 7470A, 7470A		4.95 SU	100 %	1			
580-51064-A-1	TCLP-393-A	1311, 7470A, 7470A	P	4.95 SU	100 %	1			
580-51064-A-2	TCLP-393-B-1	1311, 7470A, 7470A	P	4.95 SU	100 %	1			
580-51064-A-3	TCLP-391-A-1	1311, 7470A, 7470A	P	4.93 SU	100 %	1			
580-51064-A-50	TCLP-386-A	1311, 7470A, 7470A	P	4.92 SU	100 %	1			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193544 Batch Start Date: 06/29/15 18:04 Batch Analyst: Lundell, Rich B

Batch Method: 1311 Batch End Date: 06/30/15 13:00

Batch Notes	
1N Lot #	1493896
Balance ID	sea231
Bottle Lot Number	0129001x, 0427101v
pH Buffer 1 ID	1310882 (pH2)
pH Buffer 2 ID	135952 (pH7)
pH Buffer 3 ID	134095 (pH10)
pH Buffer 4 ID	1406B18 (pH7, 2nd source)
First End time	6/30/15@1130
Filter Lot #	9626946
Hot Plate ID	sp73235/50c/10min
pH Meter ID	3
Room Temperature Thermometer ID	122531678
First Start time	6/29/15@1930
TCLP Fluid 1 ID	1476384
TCLP Fluid 1 pH	4.95
TCLP Fluid 2 ID	1487598
TCLP Fluid 2 pH	2.90
Maximum Temperature	24.1 Degrees C
Minimum Temperature	22.8 Degrees C
ID number of the thermometer	64155
Tumbler Rotations per Minute	30
Uncorrected Maximum Temperature	24.2 Degrees C
Uncorrected Minimum Temperature	22.9 Degrees C

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193644 Batch Start Date: 06/30/15 14:48 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 06/30/15 16:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_CAL_WORK 00026			
580-51064-A-1-A	TCLP-393-A	7470A, 7470A	P	5 mL	50 mL				
580-51064-A-1-A DU	TCLP-393-A	7470A, 7470A	P	5 mL	50 mL				
580-51064-A-1-A MS	TCLP-393-A	7470A, 7470A	P	5 mL	50 mL	1 mL			
580-51064-A-1-A MSD	TCLP-393-A	7470A, 7470A	P	5 mL	50 mL	1 mL			
580-51064-A-2-A	TCLP-393-B-1	7470A, 7470A	P	5 mL	50 mL				
580-51064-A-3-A	TCLP-391-A-1	7470A, 7470A	P	5 mL	50 mL				
580-51064-A-50-A MB	TCLP-386-A	7470A, 7470A	P	5 mL	50 mL				
580-193544/1-A LCS		7470A, 7470A		5 mL	50 mL	1 mL			
580-193544/2-A LCSD		7470A, 7470A		5 mL	50 mL	1 mL			
580-193544/3-A LCSSRM		7470A, 7470A		5 mL	50 mL	1 mL			
580-193544/15-A									

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193644 Batch Start Date: 06/30/15 14:48 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 06/30/15 16:30

Batch Notes	
Hydroxylamine Hydrochloride Lot	1414591
Sulfuric Acid Lot Number	1292486
Lot # of Nitric Acid	1431206
Hot Block ID number	38009
Potassium Persulfate Lot Number	988268
Potassium Permanganate Lot Number	1431776
NaCl Lot #	979092
Oven, Bath or Block Temperature 1	93.6 CORRECTED-TEMP Celsius
Pipette ID	METALS-PREP-2
Stannous Chloride Lot Number	1414590
Temperature	93.6 CORRECTED-TEMP
ID number of the thermometer	HB-01
Digestion Tube/Cup Lot #	1414496
Uncorrected Temperature	94.0 Celsius

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193796 Batch Start Date: 07/01/15 17:19 Batch Analyst: Chan, Aaron L

Batch Method: 1311 Batch End Date: 07/02/15 13:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_SampleWeigh t	EFD_VolumeWater Add	EFD_InitialpH	EFD_SecondpHChe ck
MB 580-193796/1		1311, 7470A, 7470A		100 g	2000 mL			4.95 SU	
LCS 580-193796/2		1311, 7470A, 7470A		100 g	2000 mL			4.95 SU	
LCSD 580-193796/3		1311, 7470A, 7470A		100 g	2000 mL			4.95 SU	
580-51064-A-4	TCLP-392-A	1311, 7470A, 7470A	P	100.1 g	2000 mL	5.0 g	96.5 mL	6.33 SU	1.73 SU
580-51064-A-5	TCLP-389-A	1311, 7470A, 7470A	P	100.0 g	2000 mL	5.1 g	96.5 mL	6.25 SU	1.75 SU
580-51064-A-6	TCLP-388-A	1311, 7470A, 7470A	P	100.1 g	2000 mL	5.1 g	96.5 mL	6.31 SU	1.73 SU
580-51064-A-7	TCLP-400-DU-A-B	1311, 7470A, 7470A	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.45 SU	1.74 SU
580-51064-A-8	TCLP-396-A	1311, 7470A, 7470A	P	100.1 g	2000 mL	5.1 g	96.5 mL	5.93 SU	1.73 SU
580-51064-A-9	TCLP-387-A	1311, 7470A, 7470A	P	100.1 g	2000 mL	5.0 g	96.5 mL	6.37 SU	1.72 SU
580-51064-A-41	TCLP-373-A	1311, 7470A, 7470A	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.19 SU	1.70 SU
580-51064-A-42	TCLP-374-A	1311, 7470A, 7470A	P	100.0 g	2000 mL	5.0 g	96.5 mL	4.76 SU	
580-51064-A-43	TCLP-375-A	1311, 7470A, 7470A	P	100.1 g	2000 mL	5.1 g	96.5 mL	5.98 SU	1.57 SU
580-51064-A-44	TCLP-376-A	1311, 7470A, 7470A	P	100.2 g	2000 mL	5.1 g	96.5 mL	5.49 SU	1.57 SU
580-51064-A-45	TCLP-377-A	1311, 7470A, 7470A	P	100.1 g	2000 mL	5.1 g	96.5 mL	6.05 SU	1.59 SU
580-51064-A-46	TCLP-377-B	1311, 7470A, 7470A	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.11 SU	1.62 SU
580-51064-A-47	TCLP-381-A	1311, 7470A, 7470A	P	100.2 g	2000 mL	5.1 g	96.5 mL	6.24 SU	1.64 SU
580-51064-A-48	TCLP-382-A	1311, 7470A, 7470A	P	100.1 g	2000 mL	5.0 g	96.5 mL	6.17 SU	1.61 SU
580-51064-A-49	TCLP-383-A	1311, 7470A, 7470A	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.32 SU	1.62 SU
580-51064-A-51	TCLP-390-A	1311, 7470A, 7470A	P	100.1 g	2000 mL	5.1 g	96.5 mL	6.26 SU	1.64 SU
580-51064-A-52	TCLP-394-A	1311, 7470A, 7470A	P	100.0 g	2000 mL	5.1 g	96.5 mL	6.10 SU	1.58 SU

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193796 Batch Start Date: 07/01/15 17:19 Batch Analyst: Chan, Aaron L

Batch Method: 1311 Batch End Date: 07/02/15 13:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid			
MB 580-193796/1		1311, 7470A, 7470A		4.95 SU	100 %	1			
LCS 580-193796/2		1311, 7470A, 7470A		4.95 SU	100 %	1			
LCSD 580-193796/3		1311, 7470A, 7470A		4.95 SU	100 %	1			
580-51064-A-4	TCLP-392-A	1311, 7470A, 7470A	P	4.94 SU	100 %	1			
580-51064-A-5	TCLP-389-A	1311, 7470A, 7470A	P	4.94 SU	100 %	1			
580-51064-A-6	TCLP-388-A	1311, 7470A, 7470A	P	4.93 SU	100 %	1			
580-51064-A-7	TCLP-400-DU-A-B	1311, 7470A, 7470A	P	4.93 SU	100 %	1			
580-51064-A-8	TCLP-396-A	1311, 7470A, 7470A	P	4.93 SU	100 %	1			
580-51064-A-9	TCLP-387-A	1311, 7470A, 7470A	P	4.91 SU	100 %	1			
580-51064-A-41	TCLP-373-A	1311, 7470A, 7470A	P	4.93 SU	100 %	1			
580-51064-A-42	TCLP-374-A	1311, 7470A, 7470A	P	4.91 SU	100 %	1			
580-51064-A-43	TCLP-375-A	1311, 7470A, 7470A	P	4.93 SU	100 %	1			
580-51064-A-44	TCLP-376-A	1311, 7470A, 7470A	P	4.91 SU	100 %	1			
580-51064-A-45	TCLP-377-A	1311, 7470A, 7470A	P	4.92 SU	100 %	1			
580-51064-A-46	TCLP-377-B	1311, 7470A, 7470A	P	4.93 SU	100 %	1			
580-51064-A-47	TCLP-381-A	1311, 7470A, 7470A	P	4.95 SU	100 %	1			
580-51064-A-48	TCLP-382-A	1311, 7470A, 7470A	P	4.93 SU	100 %	1			
580-51064-A-49	TCLP-383-A	1311, 7470A, 7470A	P	4.95 SU	100 %	1			
580-51064-A-51	TCLP-390-A	1311, 7470A, 7470A	P	4.94 SU	100 %	1			
580-51064-A-52	TCLP-394-A	1311, 7470A, 7470A	P	4.93 SU	100 %	1			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193796 Batch Start Date: 07/01/15 17:19 Batch Analyst: Chan, Aaron L

Batch Method: 1311 Batch End Date: 07/02/15 13:15

Batch Notes	
1N Lot #	1493896
Balance ID	sea231
Bottle Lot Number	0129001x, 0427101v
pH Buffer 1 ID	1310882 (pH2)
pH Buffer 2 ID	135952 (pH7)
pH Buffer 3 ID	134095 (pH10)
pH Buffer 4 ID	1406B18 (pH7, 2nd source)
First End time	7/2/15@1200
Filter Lot #	9626946
Hot Plate ID	sp73235/50c/10min
pH Meter ID	3
Room Temperature Thermometer ID	122531678
First Start time	7/1/15@1900
TCLP Fluid 1 ID	1476384
TCLP Fluid 1 pH	4.95
TCLP Fluid 2 ID	1487598
TCLP Fluid 2 pH	2.90
Maximum Temperature	23.7 Degrees C
Minimum Temperature	22.8 Degrees C
ID number of the thermometer	64155
Tumbler Rotations per Minute	30
Uncorrected Maximum Temperature	23.8 Degrees C
Uncorrected Minimum Temperature	22.9 Degrees C

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193904 Batch Start Date: 07/02/15 14:29 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 07/02/15 16:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_CAL_WORK 00026			
580-51064-A-6-A	TCLP-388-A	7470A, 7470A	P	5 mL	50 mL				
580-51064-A-6-A DU	TCLP-388-A	7470A, 7470A	P	5 mL	50 mL				
580-51064-A-6-A MS	TCLP-388-A	7470A, 7470A	P	5 mL	50 mL	1 mL			
580-51064-A-6-A MSD	TCLP-388-A	7470A, 7470A	P	5 mL	50 mL	1 mL			
580-51064-A-4-A	TCLP-392-A	7470A, 7470A	P	5 mL	50 mL				
580-51064-A-5-A	TCLP-389-A	7470A, 7470A	P	5 mL	50 mL				
580-51064-A-7-A	TCLP-400-DU-A-B	7470A, 7470A	P	5 mL	50 mL				
580-51064-A-8-A	TCLP-396-A	7470A, 7470A	P	5 mL	50 mL				
580-51064-A-9-A	TCLP-387-A	7470A, 7470A	P	5 mL	50 mL				
580-51064-A-41-A	TCLP-373-A	7470A, 7470A	P	5 mL	50 mL				
580-51064-A-42-A	TCLP-374-A	7470A, 7470A	P	5 mL	50 mL				
580-51064-A-43-A	TCLP-375-A	7470A, 7470A	P	5 mL	50 mL				
580-51064-A-44-A	TCLP-376-A	7470A, 7470A	P	5 mL	50 mL				
580-51064-A-45-A	TCLP-377-A	7470A, 7470A	P	5 mL	50 mL				
580-51064-A-46-A	TCLP-377-B	7470A, 7470A	P	5 mL	50 mL				
580-51064-A-47-A	TCLP-381-A	7470A, 7470A	P	5 mL	50 mL				
580-51064-A-48-A	TCLP-382-A	7470A, 7470A	P	5 mL	50 mL				
580-51064-A-49-A	TCLP-383-A	7470A, 7470A	P	5 mL	50 mL				
580-51064-A-51-A	TCLP-390-A	7470A, 7470A	P	5 mL	50 mL				
580-51064-A-52-A	TCLP-394-A	7470A, 7470A	P	5 mL	50 mL				
MB 580-193796/1-A		7470A, 7470A		5 mL	50 mL				
LCS 580-193796/2-A		7470A, 7470A		5 mL	50 mL	1 mL			
LCS 580-193796/3-A		7470A, 7470A		5 mL	50 mL	1 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193904 Batch Start Date: 07/02/15 14:29 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 07/02/15 16:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_CAL_WORK			
LCSSRM 580-193904/24		7470A, 7470A		5 mL	50 mL	00026 1 mL			

Batch Notes	
Hydroxylamine Hydrochloride Lot	1414591
Sulfuric Acid Lot Number	1292486
Lot # of Nitric Acid	1431206
Hot Block ID number	41291
Potassium Persulfate Lot Number	988268
Potassium Permanganate Lot Number	1431776
NaCl Lot #	979092
Oven, Bath or Block Temperature 1	93.6 CORRECTED-TEMP Celsius
Pipette ID	METALS-PREP-2
Stannous Chloride Lot Number	1414590
Temperature	93.6 CORRECTED-TEMP
ID number of the thermometer	HB-01
Digestion Tube/Cup Lot #	1486542
Uncorrected Temperature	94.0 Celsius

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle

Job Number: 580-51064-1

SDG No.: _____

Project: Everett Smerlter Uplands - 2015 Mapping

Client Sample ID	Lab Sample ID
TCLP-393-A	580-51064-1
TCLP-393-B-1	580-51064-2
TCLP-391-A-1	580-51064-3
TCLP-392-A	580-51064-4
TCLP-389-A	580-51064-5
TCLP-388-A	580-51064-6
TCLP-400-DU-A-B	580-51064-7
TCLP-396-A	580-51064-8
TCLP-387-A	580-51064-9
376-A-04-B-1	580-51064-10
370-B-05-B-1	580-51064-11
372-A-04-B-1	580-51064-12
377-B-02-B-1	580-51064-14
377-A-05-B-1	580-51064-15
383-A-04-B-1	580-51064-16
381-A-01-B-1	580-51064-17
374-A-05-B1	580-51064-18
373-A-04-B-1	580-51064-19
375-A-05-B-1	580-51064-20
375-A-08-B-1	580-51064-21
382-A-01-B-1	580-51064-22
394-A-05-B	580-51064-23
394-A-07-B	580-51064-24
386-A-06-B-1	580-51064-25
386-A-04-C-1	580-51064-26
393-A-01-B-1	580-51064-27
393-B-05-B-1	580-51064-29
391-A-04-B-1	580-51064-30
390-A-04-B-1	580-51064-31
392-A-01-B-1	580-51064-32
389-A-02-B-1	580-51064-33
388-A-02-B-1	580-51064-34
388-A-06-D-1	580-51064-35
400-B-04-B-1	580-51064-36
400-A-03-B-1	580-51064-37
396-A-06-B-1	580-51064-38
386-A-02-A-1	580-51064-39
387-A-04-B-1	580-51064-40
TCLP-373-A	580-51064-41
TCLP-374-A	580-51064-42
TCLP-375-A	580-51064-43
TCLP-376-A	580-51064-44
TCLP-377-A	580-51064-45
TCLP-377-B	580-51064-46
TCLP-381-A	580-51064-47

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-51064-1

SDG No.: _____

Project: Everett Smerlter Uplands - 2015 Mapping

Client Sample ID	Lab Sample ID
<u>TCLP-382-A</u>	<u>580-51064-48</u>
<u>TCLP-383-A</u>	<u>580-51064-49</u>
<u>TCLP-386-A</u>	<u>580-51064-50</u>
<u>TCLP-390-A</u>	<u>580-51064-51</u>
<u>TCLP-394-A</u>	<u>580-51064-52</u>
<u>393-A-01-C-1</u>	<u>580-51064-53</u>

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle

Job Number: 580-51064-1

SDG Number: _____

Matrix: Solid

Instrument ID: NOEQUIP

Method: 160.3

MDL Date: 12/31/2013 17:53

Analyte	Wavelength/ Mass	RL (%)	MDL (%)
Percent Moisture		0.1	0.1
Percent Solids		0.1	0.1

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Instrument ID: NOEQUIP Method: 160.3

Start Date: 06/26/2015 16:37 End Date: 06/26/2015 16:56

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				% S o l	M o i s t																		
ZZZZZZ			16:37																				
ZZZZZZ			16:37																				
ZZZZZZ			16:37																				
ZZZZZZ			16:37																				
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ZZZZZZ			16:37																				
ZZZZZZ			16:37																				
580-51064-1	1	T	16:37	X	X																		
580-51064-2	1	T	16:37	X	X																		
580-51064-3	1	T	16:37	X	X																		
580-51064-4	1	T	16:37	X	X																		

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Instrument ID: NOEQUIP Method: 160.3

Start Date: 06/26/2015 16:37 End Date: 06/26/2015 16:56

Lab Sample ID	D / F	T y p e	Time	Analytes															
				% S o l	M o i s t														
580-51064-5	1	T	16:37	X	X														
580-51064-5 DU	1	T	16:37	X	X														
ZZZZZZ			16:37																
ZZZZZZ			16:56																
ZZZZZZ			16:56																
ZZZZZZ			16:56																

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Instrument ID: NOEQUIP Method: 160.3

Start Date: 06/29/2015 14:36 End Date: 06/29/2015 14:36

Lab Sample ID	D / F	T y p e	Time	Analytes																									
				% S o l	M o i s t																								
580-51064-10	1	T	14:36	X	X																								
580-51064-10 DU	1	T	14:36	X	X																								
580-51064-11	1	T	14:36	X	X																								
580-51064-12	1	T	14:36	X	X																								
580-51064-14	1	T	14:36	X	X																								
580-51064-15	1	T	14:36	X	X																								
580-51064-16	1	T	14:36	X	X																								
580-51064-17	1	T	14:36	X	X																								
580-51064-18	1	T	14:36	X	X																								
580-51064-19	1	T	14:36	X	X																								
580-51064-20	1	T	14:36	X	X																								
580-51064-21	1	T	14:36	X	X																								
580-51064-22	1	T	14:36	X	X																								
580-51064-23	1	T	14:36	X	X																								
580-51064-24	1	T	14:36	X	X																								
580-51064-25	1	T	14:36	X	X																								
ZZZZZZ			14:36																										

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Instrument ID: NOEQUIP Method: 160.3

Start Date: 07/01/2015 13:12 End Date: 07/01/2015 13:12

Lab Sample ID	D / F	Type	Time	Analytes															
				% Sol	Moist														
580-51064-6	1	T	13:12	X	X														
580-51064-6 DU	1	T	13:12	X	X														
580-51064-7	1	T	13:12	X	X														
580-51064-8	1	T	13:12	X	X														
580-51064-9	1	T	13:12	X	X														
580-51064-26	1	T	13:12	X	X														
580-51064-27	1	T	13:12	X	X														
580-51064-29	1	T	13:12	X	X														
580-51064-30	1	T	13:12	X	X														
580-51064-31	1	T	13:12	X	X														
580-51064-32	1	T	13:12	X	X														
580-51064-33	1	T	13:12	X	X														
580-51064-34	1	T	13:12	X	X														
580-51064-35	1	T	13:12	X	X														
580-51064-36	1	T	13:12	X	X														
580-51064-37	1	T	13:12	X	X														
580-51064-38	1	T	13:12	X	X														
580-51064-39	1	T	13:12	X	X														
580-51064-40	1	T	13:12	X	X														
580-51064-41	1	T	13:12	X	X														

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Instrument ID: NOEQUIP Method: 160.3

Start Date: 07/01/2015 13:44 End Date: 07/01/2015 13:44

Lab Sample ID	D / F	Type	Time	Analytes																
				% S o l	M o i s t															
580-51064-42	1	T	13:44	X	X															
580-51064-42 DU	1	T	13:44	X	X															
580-51064-43	1	T	13:44	X	X															
580-51064-44	1	T	13:44	X	X															
580-51064-45	1	T	13:44	X	X															
580-51064-46	1	T	13:44	X	X															
580-51064-47	1	T	13:44	X	X															
580-51064-48	1	T	13:44	X	X															
580-51064-49	1	T	13:44	X	X															
580-51064-50	1	T	13:44	X	X															
580-51064-51	1	T	13:44	X	X															
580-51064-52	1	T	13:44	X	X															
580-51064-53	1	T	13:44	X	X															

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193357 Batch Start Date: 06/26/15 16:37 Batch Analyst: Tran, Carlyne T

Batch Method: 160.3 Batch End Date: 06/28/15 11:56

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-51064-A-1	TCLP-393-A	160.3	T	0.771 g	6.274 g	5.382 g			
580-51064-A-2	TCLP-393-B-1	160.3	T	0.781 g	6.008 g	5.150 g			
580-51064-A-3	TCLP-391-A-1	160.3	T	0.758 g	6.568 g	5.781 g			
580-51064-A-4	TCLP-392-A	160.3	T	0.761 g	6.835 g	5.920 g			
580-51064-A-5	TCLP-389-A	160.3	T	0.752 g	5.986 g	5.214 g			
580-51064-A-5 DU	TCLP-389-A	160.3	T	0.779 g	5.786 g	4.954 g			

Batch Notes	
Balance ID	SEA230 No Unit
Date samples were placed in the oven	06/26/15
Oven Temp when samples are put in oven	113.2 Degrees C
Time samples were place in the oven	17:46
Date samples were removed from oven	6/28/15
Oven Temp when samples removed from oven	112.2 Degrees C
Time Samples were removed from oven	1135
Oven ID	Oven 2
ID number of the thermometer	15-041-5E
Uncorrected In Temperature	115 Celsius
Uncorrected Out Temperature	114 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193521 Batch Start Date: 06/29/15 14:36 Batch Analyst: Boardway, Peter A

Batch Method: 160.3 Batch End Date: 06/29/15 17:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-51064-A-10	376-A-04-B-1	160.3	T	0.7494 g	5.2380 g	4.3142 g			
580-51064-A-10 DU	376-A-04-B-1	160.3	T	0.7527 g	5.8137 g	4.7712 g			
580-51064-A-11	370-B-05-B-1	160.3	T	0.7389 g	5.3186 g	4.2904 g			
580-51064-A-12	372-A-04-B-1	160.3	T	0.7311 g	7.9954 g	5.9668 g			
580-51064-A-14	377-B-02-B-1	160.3	T	0.7648 g	5.1946 g	4.2150 g			
580-51064-A-15	377-A-05-B-1	160.3	T	0.7839 g	7.4666 g	6.2471 g			
580-51064-A-16	383-A-04-B-1	160.3	T	0.7594 g	5.4806 g	4.6488 g			
580-51064-A-17	381-A-01-B-1	160.3	T	0.7609 g	6.7314 g	5.0887 g			
580-51064-A-18	374-A-05-B1	160.3	T	0.7451 g	6.6726 g	5.5642 g			
580-51064-A-19	373-A-04-B-1	160.3	T	0.7538 g	5.2188 g	4.2497 g			
580-51064-A-20	375-A-05-B-1	160.3	T	0.7529 g	5.0316 g	4.3596 g			
580-51064-A-21	375-A-08-B-1	160.3	T	0.7254 g	5.0496 g	4.3710 g			
580-51064-A-22	382-A-01-B-1	160.3	T	0.7279 g	5.5450 g	4.7460 g			
580-51064-A-23	394-A-05-B	160.3	T	0.7362 g	5.1380 g	4.5804 g			
580-51064-A-24	394-A-07-B	160.3	T	0.7387 g	5.7210 g	4.5113 g			
580-51064-A-25	386-A-06-B-1	160.3	T	0.7356 g	6.0526 g	5.1801 g			

Batch Notes	
Balance ID	SEA204 No Unit
Oven Temp when samples are put in oven	108.2 Degrees C
Time samples were place in the oven	1445
Oven Temp when samples removed from oven	108.2 Degrees C
Time Samples were removed from oven	17:15
Oven ID	SEA304
ID number of the thermometer	6103-040-3
Uncorrected In Temperature	110 Celsius
Uncorrected Out Temperature	110 Celsius

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193521 Batch Start Date: 06/29/15 14:36 Batch Analyst: Boardway, Peter A

Batch Method: 160.3 Batch End Date: 06/29/15 17:15

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

160.3

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193762 Batch Start Date: 07/01/15 13:12 Batch Analyst: Nijjar, Manjit K

Batch Method: 160.3 Batch End Date: 07/02/15 09:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-51064-A-6	TCLP-388-A	160.3	T	0.7795 g	6.5364 g	5.9644 g			
580-51064-A-6 DU	TCLP-388-A	160.3	T	0.7506 g	6.4793 g	5.8924 g			
580-51064-A-7	TCLP-400-DU-A-B	160.3	T	0.8033 g	5.1972 g	4.7176 g			
580-51064-A-8	TCLP-396-A	160.3	T	0.7681 g	5.5703 g	5.0176 g			
580-51064-A-9	TCLP-387-A	160.3	T	0.7649 g	5.5492 g	5.0221 g			
580-51064-A-26	386-A-04-C-1	160.3	T	0.7607 g	5.0568 g	4.4655 g			
580-51064-A-27	393-A-01-B-1	160.3	T	0.7747 g	5.1704 g	4.3287 g			
580-51064-A-29	393-B-05-B-1	160.3	T	0.7440 g	5.1828 g	4.2054 g			
580-51064-A-30	391-A-04-B-1	160.3	T	0.7993 g	5.0781 g	4.2888 g			
580-51064-A-31	390-A-04-B-1	160.3	T	0.7599 g	5.3975 g	4.6964 g			
580-51064-A-32	392-A-01-B-1	160.3	T	0.7759 g	5.3032 g	4.3559 g			
580-51064-A-33	389-A-02-B-1	160.3	T	0.7777 g	5.2839 g	4.6127 g			
580-51064-A-34	388-A-02-B-1	160.3	T	0.7421 g	5.1287 g	4.8575 g			
580-51064-A-35	388-A-06-D-1	160.3	T	0.7941 g	5.0569 g	4.2810 g			
580-51064-A-36	400-B-04-B-1	160.3	T	0.7551 g	5.0877 g	4.4339 g			
580-51064-A-37	400-A-03-B-1	160.3	T	0.7621 g	5.2090 g	4.6614 g			
580-51064-A-38	396-A-06-B-1	160.3	T	0.7589 g	5.2629 g	4.7279 g			
580-51064-A-39	386-A-02-A-1	160.3	T	0.7426 g	5.1185 g	4.4274 g			
580-51064-A-40	387-A-04-B-1	160.3	T	0.7440 g	5.2361 g	4.6448 g			
580-51064-A-41	TCLP-373-A	160.3	T	0.7613 g	5.0687 g	4.5544 g			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193762 Batch Start Date: 07/01/15 13:12 Batch Analyst: Nijjar, Manjit K

Batch Method: 160.3 Batch End Date: 07/02/15 09:50

Batch Notes	
Balance ID	SEA228 No Unit
Date samples were placed in the oven	07/01/15
Oven Temp when samples are put in oven	113.2 Degrees C
Time samples were place in the oven	13:45
Date samples were removed from oven	07/02/15
Oven Temp when samples removed from oven	114.2 Degrees C
Time Samples were removed from oven	9:30
Oven ID	2
ID number of the thermometer	15-041-5E
Uncorrected In Temperature	115 Celsius
Uncorrected Out Temperature	116 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

160.3

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51064-1

SDG No.: _____

Batch Number: 193766 Batch Start Date: 07/01/15 13:44 Batch Analyst: Nijjar, Manjit K

Batch Method: 160.3 Batch End Date: 07/02/15 10:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-51064-A-42	TCLP-374-A	160.3	T	0.7475 g	5.6726 g	4.8234 g			
580-51064-A-42 DU	TCLP-374-A	160.3	T	0.7403 g	5.6259 g	4.7659 g			
580-51064-A-43	TCLP-375-A	160.3	T	0.7803 g	5.3226 g	4.7664 g			
580-51064-A-44	TCLP-376-A	160.3	T	0.7664 g	5.2549 g	4.2890 g			
580-51064-A-45	TCLP-377-A	160.3	T	0.7670 g	5.0636 g	4.5137 g			
580-51064-A-46	TCLP-377-B	160.3	T	0.7801 g	5.2930 g	4.7298 g			
580-51064-A-47	TCLP-381-A	160.3	T	0.7556 g	5.5931 g	4.7686 g			
580-51064-A-48	TCLP-382-A	160.3	T	0.7735 g	5.1674 g	4.2511 g			
580-51064-A-49	TCLP-383-A	160.3	T	0.7489 g	5.3657 g	4.6359 g			
580-51064-A-50	TCLP-386-A	160.3	T	0.7465 g	5.0860 g	4.6199 g			
580-51064-A-51	TCLP-390-A	160.3	T	0.7961 g	5.2658 g	4.5867 g			
580-51064-A-52	TCLP-394-A	160.3	T	0.7788 g	5.4495 g	4.6368 g			
580-51064-A-53	393-A-01-C-1	160.3	T	0.7868 g	5.5524 g	4.4826 g			

Batch Notes	
Balance ID	SEA228 No Unit
Date samples were placed in the oven	07/01/15
Oven Temp when samples are put in oven	111.2 Degrees C
Time samples were place in the oven	14:40
Date samples were removed from oven	07/02/15
Oven Temp when samples removed from oven	114.2 Degrees C
Time Samples were removed from oven	9:50
Oven ID	2
ID number of the thermometer	15-041-5E
Uncorrected In Temperature	113 Celsius
Uncorrected Out Temperature	116 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents



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Analyses / Tests

Shipping Information

CHAIN OF CUSTODY RECORD

Project No.: 305057.00.000.04.10.000 Project Mgr: D. Pearman 206.200.7637

Project Name: Everett Smelter Uplands - 2015 Mapping and Sampling

Project Location: Everett, WA

Sample Collectors: B. Donaldson, M. Esparra

Client Name: Washington State Department of Ecology

Samples Collected by Hand Auger:

Total Arsenic by ICP-MS

TCLP analysis

Number of Shipping Containers:

Date Shipped:

Carrier:

Waybill No.:

Comments

Sample ID	Depth	Matrix	Date	Time	# of Containers	Total Arsenic by ICP-MS	TCLP analysis													
TCLP-376-A/B	0-12"	Soil	5/4/15	1512	1	X														
TCLP-377-B	0-12"	Soil	5/11/15	1214	1	X														
TCLP-377-A	0-12"	Soil	5/12/15	1039	1	X														
TCLP-383-A	0-12"	Soil	5/12/15	1630	1	X														
TCLP-374-A	0-12"	Soil	5/14/15	1242	1	X														
TCLP-373-A	0-12"	Soil	5/14/15	1710	1	X														
TCLP-381-A	0-12"	Soil	5/15/15	1200	1	X														
TCLP-375-A	0-12"	Soil	5/20/15	1215	1	X														
TCLP-382-A	0-12"	Soil	5/20/15	1601	1	X														
TCLP-394-A	0-12"	Soil	5/26/15	1425	1	X														
TCLP-386-A	0-12"	Soil	6/1/15	1252	1	X														
TCLP-390-A	0-12"	Soil	6/1/15	1646	1	X														

<u>RELINQUISHED BY:</u>		<u>RECEIVED BY:</u>		<u>RELINQUISHED BY:</u>		<u>RECEIVED BY:</u>	
Signature:	_____	Signature:	_____	Signature:	_____	Signature:	_____
Date/Time:	_____	Date/Time:	_____	Date/Time:	_____	Date/Time:	_____
Affiliation:	_____	Affiliation:	_____	Affiliation:	_____	Affiliation:	_____

• White: Lab Returns to Originator Upon Receipt of Samples

• Canary: Lab Retains

• Pink: Lab Returns to Project Manager with Final Report

• Goldenrod: Retained by Sampler



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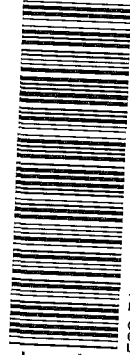
CHAIN OF CUSTODY RECORD

Project No.: 305057.00.000.04.10.000 **Project Mgr:** D. Pearman 206.200.7637
Project Name: Everett Smelter Uplands - 2015 Mapping and Sampling
Project Location: Everett, WA
Sample Collectors: B. Donaldson, M. Esparra
Client Name: Washington State Department of Ecology
 Samples Collected by Hand Auger:

Sample ID	Depth	Matrix	Date	Time	# of Containers
TCLP-393-A	0-12"	Soil	6/3/15	1429	1
TCLP-393-B-1	0-12"	Soil	6/4/15	1253	1
TCLP-391-A-1	0-12"	Soil	6/4/15	1617	1
TCLP-392-A	0-12"	Soil	6/8/15	1413	1
TCLP-389-A	0-12"	Soil	6/9/15	1330	1
TCLP-388-A	0-24"	Soil	6/9/15	1704	1
TCLP-400-DU-A-B	0-12"	Soil	6/10/15	1520	1
TCLP-396-A	0-12"	Soil	6/11/15	1420	1
TCLP-387-A	0-12"	Soil	6/18/15	1530	1
376-A-04-B-1	6-12"	Soil	5/4/15	0931	1
370-B-05-B-1	6-12"	Soil	5/4/15	1331	1
372-A-04-B-1	6-12"	Soil	5/6/15	1646	1

Total Arsenic by ICP-MS
 TCLP analysis

X
X
X
X
X
X
X
X
X
X
X
X
X



580-51064 Chain of Custody

142
 Cooler/IB Dig/IB cor 219 unc 21.6
 Cooler Dsc Ls Green/Blue @ Lab 15DP
 WetPacks Packing Other
 W/Ls LL

RELINQUISHED BY: Signature: [Signature] Date/Time: 6/19/15 1145 Affiliation: Leidos
RECEIVED BY: Signature: [Signature] Date/Time: 6/19/15 1145 Affiliation: TA SEA
RELINQUISHED BY: Signature: _____ Date/Time: _____ Affiliation: _____
RECEIVED BY: Signature: _____ Date/Time: _____ Affiliation: _____

* White: Lab Returns to Originator Upon Receipt of Samples

* Canary: Lab Retains

* Pink: Lab Returns to Project Manager with Final Report

* Goldrod: Retained by Sampler



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CHAIN OF CUSTODY RECORD

Project No.: 305057.00.000.04.10.000 Project Mgr: D. Pearman 206.200.7637
 Project Name: Everett Smelter Uplands - 2015 Mapping and Sampling
 Project Location: Everett, WA
 Sample Collectors: B. Donaldson, M. Esparra
 Client Name: Washington State Department of Ecology
 Samples Collected by Hand Auger:

Sample ID	Depth	Matrix	Date	Time	# of Containers
372-A-04-B-2	6-12"	Soil	5/6/15	1534	1
377-B-02-B-1	6-12"	Soil	5/11/15	0938	1
377-A-05-B-1	6-12"	Soil	5/12/15	0918	1
383-A-04-B-1	6-12"	Soil	5/12/15	1324	1
381-A-01-B-1	6-12"	Soil	5/13/15	1045	1
374-A-05-B-1	6-12"	Soil	5/14/15	1030	1
373-A-04-B-1	6-12"	Soil	5/14/15	1451	1
375-A-05-B-1	6-12"	Soil	5/20/15	0937	1
375-A-08-B-1	6-12"	Soil	5/20/15	1006	1
382-A-01-B-1	6-12"	Soil	5/20/15	1349	1
394-A-05-B	6-12"	Soil	5/26/15	1103	1
394-A-07-B	6-12"	Soil	5/26/15	1134	1

Total Arsenic by ICP-MS
 TCLP analysis

Shipping Information
 Number of Shipping Containers: 1
 Date Shipped: 6/19/15
 Carrier: Test America
 Waybill No.:

Comments

RELINQUISHED BY: [Signature] RECEIVED BY: [Signature]
 Signature: [Signature] Signature: [Signature]
 Date/Time: 6/19/15 1145 Date/Time: 6/19/15 1145
 Affiliation: leidos Affiliation: TA-SEA

• White: Lab Returns to Originator Upon Receipt of Samples
 • Canary: Lab Retains
 • Pink: Lab Returns to Project Manager with Final Report
 • Goldenrod: Retained by Sampler



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CHAIN OF CUSTODY RECORD

Project No.: 305057.00.000.04.10.000 Project Mgr: D. Pearman 206.200.7637
 Project Name: Everett Smelter Uplands - 2015 Mapping and Sampling
 Project Location: Everett, WA
 Sample Collectors: B. Donaldson, M. Esparra
 Client Name: Washington State Department of Ecology
 Samples Collected by Hand Auger:

Sample ID	Depth	Matrix	Date	Time	# of Containers	Analyses / Tests	Shipping Information
386-A-06-B-1	6-12"	Soil	6/1/15	0940	1	Total Arsenic by ICP-MS TCLP analysis	Number of Shipping Containers: 1 Date Shipped: 6/19/15 Carrier: Test America Waybill No.:
386-A-04-C-1	12-18"	Soil	6/1/15	0919	1		
393-A-01-B-1	6-12"	Soil	6/3/15	0950	1		
393-A-01-C-1	12-18"	Soil	6/3/15	0950	1		
393-B-05-B-1	6-12"	Soil	6/4/15	1040	1		
391-A-04-B-1	6-12"	Soil	6/4/15	1447	1		
390-A-01-B-1	6-12"	Soil	6/1/15	1516	1		
392-A-01-B-1	6-12"	Soil	6/8/15	0943	1		
389-A-02-B-1	6-12"	Soil	6/9/15	1010	1		
388-A-02-B-1	6-12"	Soil	6/9/15	1424	1		
388-A-06-D-1	18-24"	Soil	6/9/15	1525	1		
400-B-04-B-1	6-12"	Soil	6/10/15	1015	1		

RELINQUISHED BY: Boj RECEIVED BY: [Signature]
 Signature: [Signature] Signature: [Signature]
 Date/Time: 6/19/15 1145 Date/Time: [Signature]
 Affiliation: Leidos Affiliation: JA-564



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CHAIN OF CUSTODY RECORD

Project No.: 305057.00.000.04.10.000 **Project Mgr:** D. Pearman 206.200.7637
Project Name: Everett Smelter Uplands - 2015 Mapping and Sampling
Project Location: Everett, WA
Sample Collectors: B. Donaldson, M. Esparra
Client Name: Washington State Department of Ecology
 Samples Collected by Hand Auger:

Sample ID	Depth	Matrix	Date	Time	# of Containers	Analyses / Tests	Shipping Information
400-A-03-B-1	6-12"	Soil	6/10/15	1152	1	Total Arsenic by ICP-MS TCLP analysis	Number of Shipping Containers: 1 Date Shipped: 6/19/15 Carrier: Test America Waybill No.:
398-A-06-B-1	6-12"	Soil	6/11/15	1149	1		
386-A-02-A-1	6-12"	Soil	6/1/15	0900	1		
387-A-04-B-1	12-18"	Soil	6-18-15	1256	1		

RELINQUISHED BY: Signature: *Bryan Burt* Date/Time: 6/19/15 1145 Affiliation: Leidos
RECEIVED BY: Signature: *[Signature]* Date/Time: 6/19/15 1145 Affiliation: TA-SEA
RELINQUISHED BY: Signature: _____ Date/Time: _____ Affiliation: _____
RECEIVED BY: Signature: _____ Date/Time: _____ Affiliation: _____

* White: Lab Returns to Originator Upon Receipt of Samples * Canary: Lab Returns
 * Pink: Lab Returns to Project Manager with Final Report * Goldenrod: Retained by Sampler

Login Sample Receipt Checklist

Client: Leidos, Inc.

Job Number: 580-51064-1

Login Number: 51064

List Source: TestAmerica Seattle

List Number: 1

Creator: Escarez, Christabel C

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 580-51321-1

Job Description: EVPARKS

For:

Leidos, Inc.

18912 North Creek Parkway, Suite 101

Bothell, WA 98011

Attention: Bryan Donaldson



Approved for release.
Kristine D Allen
Manager of Project Management
7/15/2015 5:47 PM

Kristine D Allen, Manager of Project Management
5755 8th Street East, Tacoma, WA, 98424
(253)248-4970
kristine.allen@testamericainc.com
07/15/2015

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This report shall not be reproduced except in full, without prior express written approval by the laboratory. The results relate only to the item(s) tested and the sample(s) as received by the laboratory.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted in the case narrative.

TestAmerica Laboratories, Inc.

TestAmerica Seattle 5755 8th Street East, Tacoma, WA 98424
Tel (253) 922-2310 Fax (253) 922-5047 www.testamericainc.com



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CASE NARRATIVE

Client: Leidos, Inc.
Project: EVPARKS
Report Number: 580-51321-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 06/30/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 24.4 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TCLP METALS

Samples TCLP - 395 - A (580-51321-1), TCLP - 397 - A (580-51321-2) and TCLP - 398 - A (580-51321-3) were analyzed for TCLP metals in accordance with EPA SW-846 Methods 1311/ 6010B. The samples were leached on 07/13/2015, prepared on 07/14/2015 and analyzed on 07/15/2015.

Barium was detected in method blank MB 580-194731/1-B at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICPMS)

Samples 395-A-07-B-1 (580-51321-4), 397-A-03-B-1 (580-51321-5) and 398-A-05-B-1 (580-51321-6) were analyzed for total metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were leached on 07/07/2015, prepared on 07/09/2015 and analyzed on 07/09/2015 and 07/10/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TCLP MERCURY

Samples TCLP - 395 - A (580-51321-1), TCLP - 397 - A (580-51321-2) and TCLP - 398 - A (580-51321-3) were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 07/13/2015, prepared on 07/14/2015 and analyzed on 07/15/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS

Samples 395-A-07-B-1 (580-51321-4), 397-A-03-B-1 (580-51321-5) and 398-A-05-B-1 (580-51321-6) were analyzed for percent solids in accordance with ASTM D2216. The samples were analyzed on 07/07/2015 and 07/09/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SAMPLE SUMMARY

Client: Leidos, Inc.

Job Number: 580-51321-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-51321-1	TCLP - 395 - A	Solid	06/19/2015 1401	06/30/2015 0835
580-51321-2	TCLP - 397 - A	Solid	06/22/2015 1453	06/30/2015 0835
580-51321-3	TCLP - 398 - A	Solid	06/24/2015 1240	06/30/2015 0835
580-51321-4	395-A-07-B-1	Solid	06/19/2015 1136	06/30/2015 0835
580-51321-5	397-A-03-B-1	Solid	06/22/2015 1125	06/30/2015 0835
580-51321-6	398-A-05-B-1	Solid	06/24/2015 1006	06/30/2015 0835

EXECUTIVE SUMMARY - Detections

Client: Leidos, Inc.

Job Number: 580-51321-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-51321-1 <i>TCLP</i>	TCLP - 395 - A					
Barium		0.58	B	0.010	mg/L	6010B
Cadmium		0.0013	J	0.020	mg/L	6010B
Chromium		0.0036	J	0.025	mg/L	6010B
Lead		0.014	J	0.030	mg/L	6010B
580-51321-2 <i>TCLP</i>	TCLP - 397 - A					
Barium		0.81	B	0.010	mg/L	6010B
Cadmium		0.0043	J	0.020	mg/L	6010B
Chromium		0.0041	J	0.025	mg/L	6010B
Lead		0.053		0.030	mg/L	6010B
580-51321-3 <i>TCLP</i>	TCLP - 398 - A					
Barium		0.51	B	0.010	mg/L	6010B
Cadmium		0.0016	J	0.020	mg/L	6010B
Lead		0.016	J	0.030	mg/L	6010B
580-51321-4	395-A-07-B-1					
Arsenic		39		0.52	mg/Kg	6020
Percent Solids		92		0.10	%	D 2216
Percent Moisture		7.8		0.10	%	D 2216
580-51321-5	397-A-03-B-1					
Arsenic		69		0.57	mg/Kg	6020
Percent Solids		85		0.10	%	D 2216
Percent Moisture		15		0.10	%	D 2216
580-51321-6	398-A-05-B-1					
Arsenic		43		0.56	mg/Kg	6020
Percent Solids		85		0.10	%	D 2216
Percent Moisture		15		0.10	%	D 2216

METHOD SUMMARY

Client: Leidos, Inc.

Job Number: 580-51321-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Metals (ICP)	TAL SEA	SW846 6010B	
TCLP Extraction	TAL SEA		SW846 1311
Preparation, Total Metals	TAL SEA		SW846 3010A
Metals (ICP/MS)	TAL SEA	SW846 6020	
Sieve Test	TAL SEA		Sieve
Preparation, Metals	TAL SEA		SW846 3050B
Mercury (CVAA)	TAL SEA	SW846 7470A	
TCLP Extraction	TAL SEA		SW846 1311
Preparation, Mercury	TAL SEA		SW846 7470A
Percent Moisture	TAL SEA	ASTM D 2216	

Lab References:

TAL SEA = TestAmerica Seattle

Method References:

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Leidos, Inc.

Job Number: 580-51321-1

Method	Analyst	Analyst ID
SW846 6010B	Marler, Harrison J	HJM
SW846 6020	Woo, Fred C	FCW
SW846 7470A	Woo, Fred C	FCW
ASTM D 2216	Tran, Carolyne T	CTT
ASTM D 2216	Yao, Derrick G	DGY

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51321-1

Client Sample ID: TCLP - 395 - A

Lab Sample ID: 580-51321-1
Client Matrix: Solid

Date Sampled: 06/19/2015 1401
Date Received: 06/30/2015 0835

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-194943 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-194813 Lab File ID: 194862 813 782.asc
Dilution: 1.0 Leach Batch: 580-194731 Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2015 1029 Final Weight/Volume: 50 mL
Prep Date: 07/14/2015 1406
Leach Date: 07/13/2015 1935

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.58	B	0.00080	0.010
Cadmium		0.0013	J	0.00050	0.020
Chromium		0.0036	J	0.0033	0.025
Lead		0.014	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-194954 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-194815 Lab File ID: 194846-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-194731 Initial Weight/Volume: 5 mL
Analysis Date: 07/15/2015 1138 Final Weight/Volume: 50 mL
Prep Date: 07/14/2015 1412
Leach Date: 07/13/2015 1935

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51321-1

Client Sample ID: TCLP - 397 - A

Lab Sample ID: 580-51321-2
Client Matrix: Solid

Date Sampled: 06/22/2015 1453
Date Received: 06/30/2015 0835

6010B Metals (ICP)-TCLP

Analysis Method: 6010B Analysis Batch: 580-194943 Instrument ID: TAC047
Prep Method: 3010A Prep Batch: 580-194813 Lab File ID: 194862 813 782.asc
Dilution: 1.0 Leach Batch: 580-194731 Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2015 1050 Final Weight/Volume: 50 mL
Prep Date: 07/14/2015 1406
Leach Date: 07/13/2015 1935

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.81	B	0.00080	0.010
Cadmium		0.0043	J	0.00050	0.020
Chromium		0.0041	J	0.0033	0.025
Lead		0.053		0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A Analysis Batch: 580-194954 Instrument ID: TAC104
Prep Method: 7470A Prep Batch: 580-194815 Lab File ID: 194846-TAC104-FCW
Dilution: 1.0 Leach Batch: 580-194731 Initial Weight/Volume: 5 mL
Analysis Date: 07/15/2015 1148 Final Weight/Volume: 50 mL
Prep Date: 07/14/2015 1412
Leach Date: 07/13/2015 1935

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51321-1

Client Sample ID: TCLP - 398 - A

Lab Sample ID: 580-51321-3

Date Sampled: 06/24/2015 1240

Client Matrix: Solid

Date Received: 06/30/2015 0835

6010B Metals (ICP)-TCLP

Analysis Method: 6010B	Analysis Batch: 580-194943	Instrument ID: TAC047
Prep Method: 3010A	Prep Batch: 580-194813	Lab File ID: 194862 813 782.asc
Dilution: 1.0	Leach Batch: 580-194731	Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2015 1054		Final Weight/Volume: 50 mL
Prep Date: 07/14/2015 1406		
Leach Date: 07/13/2015 1935		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0047	0.060
Barium		0.51	B	0.00080	0.010
Cadmium		0.0016	J	0.00050	0.020
Chromium		ND		0.0033	0.025
Lead		0.016	J	0.0026	0.030
Selenium		ND		0.0054	0.10
Silver		ND		0.0085	0.050

7470A Mercury (CVAA)-TCLP

Analysis Method: 7470A	Analysis Batch: 580-194954	Instrument ID: TAC104
Prep Method: 7470A	Prep Batch: 580-194815	Lab File ID: 194846-TAC104-FCW
Dilution: 1.0	Leach Batch: 580-194731	Initial Weight/Volume: 5 mL
Analysis Date: 07/15/2015 1150		Final Weight/Volume: 50 mL
Prep Date: 07/14/2015 1412		
Leach Date: 07/13/2015 1935		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00041	0.0020

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51321-1

Client Sample ID: 395-A-07-B-1

Lab Sample ID: 580-51321-4

Date Sampled: 06/19/2015 1136

Client Matrix: Solid

% Moisture: 7.8

Date Received: 06/30/2015 0835

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-194520

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-194423

Lab File ID: 117SMPL.D

Dilution: 10

Sieved Batch: 580-194167

Initial Weight/Volume: 1.0416 g

Analysis Date: 07/09/2015 2354

Final Weight/Volume: 50 mL

Prep Date: 07/09/2015 1111

Sieved Date: 07/07/2015 1242

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		39		0.19	0.52

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51321-1

Client Sample ID: 397-A-03-B-1

Lab Sample ID: 580-51321-5

Date Sampled: 06/22/2015 1125

Client Matrix: Solid

% Moisture: 14.8

Date Received: 06/30/2015 0835

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-194520

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-194423

Lab File ID: 118SMPL.D

Dilution: 10

Sieved Batch: 580-194167

Initial Weight/Volume: 1.0381 g

Analysis Date: 07/10/2015 0001

Final Weight/Volume: 50 mL

Prep Date: 07/09/2015 1111

Sieved Date: 07/07/2015 1242

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		69		0.20	0.57

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51321-1

Client Sample ID: 398-A-05-B-1

Lab Sample ID: 580-51321-6

Date Sampled: 06/24/2015 1006

Client Matrix: Solid

% Moisture: 14.8

Date Received: 06/30/2015 0835

6020 Metals (ICP/MS)

Analysis Method: 6020

Analysis Batch: 580-194520

Instrument ID: SEA044

Prep Method: 3050B

Prep Batch: 580-194423

Lab File ID: 119SMPL.D

Dilution: 10

Sieved Batch: 580-194167

Initial Weight/Volume: 1.0403 g

Analysis Date: 07/10/2015 0008

Final Weight/Volume: 50 mL

Prep Date: 07/09/2015 1111

Sieved Date: 07/07/2015 1242

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		43		0.20	0.56

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51321-1

General Chemistry

Client Sample ID: 395-A-07-B-1

Lab Sample ID: 580-51321-4

Client Matrix: Solid

Date Sampled: 06/19/2015 1136

Date Received: 06/30/2015 0835

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	92		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-194184	Analysis Date: 07/07/2015		1349			DryWt Corrected: N
Percent Moisture	7.8		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-194184	Analysis Date: 07/07/2015		1349			DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51321-1

General Chemistry

Client Sample ID: 397-A-03-B-1

Lab Sample ID: 580-51321-5

Client Matrix: Solid

Date Sampled: 06/22/2015 1125

Date Received: 06/30/2015 0835

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-194354	Analysis Date: 07/09/2015	0809				DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-194354	Analysis Date: 07/09/2015	0809				DryWt Corrected: N

Analytical Data

Client: Leidos, Inc.

Job Number: 580-51321-1

General Chemistry

Client Sample ID: 398-A-05-B-1

Lab Sample ID: 580-51321-6

Client Matrix: Solid

Date Sampled: 06/24/2015 1006

Date Received: 06/30/2015 0835

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-194354	Analysis Date: 07/09/2015 0809					DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-194354	Analysis Date: 07/09/2015 0809					DryWt Corrected: N

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51321-1

Method Blank - Batch: 580-194813

Lab Sample ID: MB 580-194731/1-B
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/15/2015 1013
 Prep Date: 07/14/2015 1406
 Leach Date: 07/13/2015 1935

Analysis Batch: 580-194943
 Prep Batch: 580-194813
 Leach Batch: 580-194731
 Units: mg/L

**Method: 6010B
 Preparation: 3010A
 TCLP**

Instrument ID: TAC047
 Lab File ID: 194862 813 782.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.0047	0.060
Barium	0.00640	J	0.00080	0.010
Cadmium	ND		0.00050	0.020
Chromium	ND		0.0033	0.025
Lead	ND		0.0026	0.030
Selenium	ND		0.0054	0.10
Silver	ND		0.0085	0.050

LCS-Certified Reference Material - Batch: 580-194813

Lab Sample ID: LCSSRM 580-194813/12-
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 07/15/2015 1023
 Prep Date: 07/14/2015 1406
 Leach Date: N/A

Analysis Batch: 580-194943
 Prep Batch: 580-194813
 Leach Batch: N/A
 Units: mg/L

**Method: 6010B
 Preparation: 3010A**

Instrument ID: TAC047
 Lab File ID: 194862 813 782.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	4.00	4.24	106	80 - 120	
Barium	4.00	3.93	98	80 - 120	
Cadmium	0.100	0.103	103	80 - 120	
Chromium	0.400	0.369	92	80 - 120	
Lead	1.00	1.00	100	80 - 120	
Selenium	4.00	4.34	108	80 - 120	
Silver	0.600	0.571	95	75 - 120	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51321-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-194813**

**Method: 6010B
Preparation: 3010A
TCLP**

LCS Lab Sample ID: LCS 580-194731/2-B	Analysis Batch: 580-194943	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-194813	Lab File ID: 194862 813 782.asc
Dilution: 1.0	Leach Batch: 580-194731	Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2015 1017	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 07/14/2015 1406		
Leach Date: 07/13/2015 1935		

LCSD Lab Sample ID: LCSD 580-194731/3-B	Analysis Batch: 580-194943	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-194813	Lab File ID: 194862 813 782.asc
Dilution: 1.0	Leach Batch: 580-194731	Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2015 1020	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 07/14/2015 1406		
Leach Date: 07/13/2015 1935		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	104	105	80 - 120	1	20		
Barium	97	99	80 - 120	2	20		
Cadmium	102	102	80 - 120	0	20		
Chromium	91	92	80 - 120	1	20		
Lead	100	100	80 - 120	0	20		
Selenium	107	109	80 - 120	2	20		
Silver	95	94	80 - 120	0	20		

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-194813**

**Method: 6010B
Preparation: 3010A
TCLP**

LCS Lab Sample ID: LCS 580-194731/2-B	Units: mg/L
Client Matrix: Solid	
Dilution: 1.0	
Analysis Date: 07/15/2015 1017	
Prep Date: 07/14/2015 1406	
Leach Date: 07/13/2015 1935	

LCSD Lab Sample ID: LCSD 580-194731/3-B	
Client Matrix: Solid	
Dilution: 1.0	
Analysis Date: 07/15/2015 1020	
Prep Date: 07/14/2015 1406	
Leach Date: 07/13/2015 1935	

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	4.00	4.00	4.15	4.20
Barium	4.00	4.00	3.90	3.96
Cadmium	0.100	0.100	0.102	0.102
Chromium	0.400	0.400	0.366	0.368
Lead	1.00	1.00	0.995	0.996
Selenium	4.00	4.00	4.28	4.36
Silver	0.600	0.600	0.569	0.567

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51321-1

Post Digestion Spike - Batch: 580-194813

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID: 580-51321-1	Analysis Batch: 580-194943	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-194813	Lab File ID: 194862 813 782.asc
Dilution: 1.0	Leach Batch: 580-194731	Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2015 1041	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 07/14/2015 1406		
Leach Date: 07/13/2015 1935		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	ND	4.00	4.40	110	75 - 125	
Barium	0.58	4.00	4.69	103	75 - 125	
Cadmium	0.0013 J	0.100	0.108	107	75 - 125	
Chromium	0.0036 J	0.400	0.389	96	75 - 125	
Lead	0.014 J	1.00	1.06	104	75 - 125	
Selenium	ND	4.00	4.50	112	75 - 125	
Silver	ND	0.600	0.595	99	75 - 125	

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-194813**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID: 580-51321-1	Analysis Batch: 580-194943	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-194813	Lab File ID: 194862 813 782.asc
Dilution: 1.0	Leach Batch: 580-194731	Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2015 1036		Final Weight/Volume: 50 mL
Prep Date: 07/14/2015 1406		
Leach Date: 07/13/2015 1935		

MSD Lab Sample ID: 580-51321-1	Analysis Batch: 580-194943	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-194813	Lab File ID: 194862 813 782.asc
Dilution: 1.0	Leach Batch: 580-194731	Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2015 1038		Final Weight/Volume: 50 mL
Prep Date: 07/14/2015 1406		
Leach Date: 07/13/2015 1935		

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	107	108	75 - 125	1	20		
Barium	100	99	75 - 125	1	20		
Cadmium	104	104	75 - 125	0	20		
Chromium	93	93	75 - 125	1	20		
Lead	101	101	75 - 125	0	20		
Selenium	110	111	75 - 125	0	20		
Silver	96	95	75 - 125	1	20		

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51321-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 580-194813

Method: 6010B
Preparation: 3010A
TCLP

MS Lab Sample ID: 580-51321-1 Units: mg/L
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/15/2015 1036
Prep Date: 07/14/2015 1406
Leach Date: 07/13/2015 1935

MSD Lab Sample ID: 580-51321-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/15/2015 1038
Prep Date: 07/14/2015 1406
Leach Date: 07/13/2015 1935

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	ND		4.00	4.00	4.26	4.31
Barium	0.58		4.00	4.00	4.57	4.54
Cadmium	0.0013	J	0.100	0.100	0.105	0.105
Chromium	0.0036	J	0.400	0.400	0.375	0.377
Lead	0.014	J	1.00	1.00	1.02	1.03
Selenium	ND		4.00	4.00	4.41	4.43
Silver	ND		0.600	0.600	0.575	0.571

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51321-1

Serial Dilution - Batch: 580-194813

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID: 580-51321-1	Analysis Batch: 580-194943	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-194813	Lab File ID: 194862 813 782.asc
Dilution: 5.0	Leach Batch: 580-194731	Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2015 1025	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 07/14/2015 1406		
Leach Date: 07/13/2015 1935		

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	ND	ND	NC	10	
Barium	0.58	0.592	1.3	10	
Cadmium	0.0013 J	ND	NC	10	
Chromium	0.0036 J	ND	NC	10	
Lead	0.014 J	0.0195	NC	10	J
Selenium	ND	0.0305	NC	10	J
Silver	ND	ND	NC	10	

Duplicate - Batch: 580-194813

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID: 580-51321-1	Analysis Batch: 580-194943	Instrument ID: TAC047
Client Matrix: Solid	Prep Batch: 580-194813	Lab File ID: 194862 813 782.asc
Dilution: 1.0	Leach Batch: 580-194731	Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2015 1032	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 07/14/2015 1406		
Leach Date: 07/13/2015 1935		

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	ND	ND	NC	20	
Barium	0.58	0.595	2	20	
Cadmium	0.0013 J	0.00140	7	20	J
Chromium	0.0036 J	0.00340	6	20	J
Lead	0.014 J	0.0150	6	20	J
Selenium	ND	ND	NC	20	
Silver	ND	ND	NC	20	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51321-1

Method Blank - Batch: 580-194423

**Method: 6020
Preparation: 3050B**

Lab Sample ID: MB 580-194423/18-A	Analysis Batch: 580-194520	Instrument ID: SEA044
Client Matrix: Solid	Prep Batch: 580-194423	Lab File ID: 098SMPL.D
Dilution: 10	Sieved Batch: N/A	Initial Weight/Volume: 1.0 g
Analysis Date: 07/09/2015 2145	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/09/2015 1111		
Sieved Date: N/A		

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.18	0.50

LCS-Certified Reference Material - Batch: 580-194423

**Method: 6020
Preparation: 3050B**

Lab Sample ID: LCSSRM 580-194423/21-	Analysis Batch: 580-194520	Instrument ID: SEA044
Client Matrix: Solid	Prep Batch: 580-194423	Lab File ID: 101SMPL.D
Dilution: 50	Sieved Batch: N/A	Initial Weight/Volume: 0.5087 g
Analysis Date: 07/09/2015 2205	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/09/2015 1112		
Sieved Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	139	135	97.4	70.4 - 140.3	

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 580-194423

**Method: 6020
Preparation: 3050B**

LCS Lab Sample ID: LCS 580-194423/19-A	Analysis Batch: 580-194520	Instrument ID: SEA044
Client Matrix: Solid	Prep Batch: 580-194423	Lab File ID: 099SMPL.D
Dilution: 50	Sieved Batch: N/A	Initial Weight/Volume: 1.0 g
Analysis Date: 07/09/2015 2152	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/09/2015 1111		
Sieved Date: N/A		

LCSD Lab Sample ID: LCSD 580-194423/20-A	Analysis Batch: 580-194520	Instrument ID: SEA044
Client Matrix: Solid	Prep Batch: 580-194423	Lab File ID: 100SMPL.D
Dilution: 50	Sieved Batch: N/A	Initial Weight/Volume: 1.0 g
Analysis Date: 07/09/2015 2158	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/09/2015 1112		
Sieved Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	98	98	80 - 120	0	20		

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51321-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-194423**

**Method: 6020
Preparation: 3050B**

LCS Lab Sample ID: LCS 580-194423/19-A Units: mg/Kg
Client Matrix: Solid
Dilution: 50
Analysis Date: 07/09/2015 2152
Prep Date: 07/09/2015 1111
Sieved Date: N/A

LCSD Lab Sample ID: LCSD 580-194423/20-A
Client Matrix: Solid
Dilution: 50
Analysis Date: 07/09/2015 2158
Prep Date: 07/09/2015 1112
Sieved Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	200	200	197	197

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51321-1

Method Blank - Batch: 580-194815

Lab Sample ID: MB 580-194731/1-C
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/15/2015 1129
 Prep Date: 07/14/2015 1412
 Leach Date: 07/13/2015 1935

Analysis Batch: 580-194954
 Prep Batch: 580-194815
 Leach Batch: 580-194731
 Units: mg/L

**Method: 7470A
 Preparation: 7470A
 TCLP**

Instrument ID: TAC104
 Lab File ID: 194846-TAC104-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00041	0.0020

LCS-Certified Reference Material - Batch: 580-194815

Lab Sample ID: LCSSRM 580-194815/10
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 07/15/2015 1136
 Prep Date: 07/14/2015 1412
 Leach Date: N/A

Analysis Batch: 580-194954
 Prep Batch: 580-194815
 Leach Batch: N/A
 Units: mg/L

**Method: 7470A
 Preparation: 7470A**

Instrument ID: TAC104
 Lab File ID: 194846-TAC104-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.0200	0.0204	102	75 - 125	

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 580-194815**

LCS Lab Sample ID: LCS 580-194731/2-C
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/15/2015 1131
 Prep Date: 07/14/2015 1412
 Leach Date: 07/13/2015 1935

Analysis Batch: 580-194954
 Prep Batch: 580-194815
 Leach Batch: 580-194731
 Units: mg/L

**Method: 7470A
 Preparation: 7470A
 TCLP**

Instrument ID: TAC104
 Lab File ID: 194846-TAC104-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 580-194731/3-C
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/15/2015 1134
 Prep Date: 07/14/2015 1412
 Leach Date: 07/13/2015 1935

Analysis Batch: 580-194954
 Prep Batch: 580-194815
 Leach Batch: 580-194731
 Units: mg/L

Instrument ID: TAC104
 Lab File ID: 194846-TAC104-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Mercury	110	107	80 - 120	3	20		

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51321-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-194815**

**Method: 7470A
Preparation: 7470A
TCLP**

LCS Lab Sample ID: LCS 580-194731/2-C Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/15/2015 1131
 Prep Date: 07/14/2015 1412
 Leach Date: 07/13/2015 1935

LCSD Lab Sample ID: LCSD 580-194731/3-C
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/15/2015 1134
 Prep Date: 07/14/2015 1412
 Leach Date: 07/13/2015 1935

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	0.0200	0.0200	0.0221	0.0214

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-194815**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-51321-1
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/15/2015 1143
 Prep Date: 07/14/2015 1412
 Leach Date: 07/13/2015 1935

Analysis Batch: 580-194954
 Prep Batch: 580-194815
 Leach Batch: 580-194731

Instrument ID: TAC104
 Lab File ID: 194846-TAC104-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 580-51321-1
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/15/2015 1145
 Prep Date: 07/14/2015 1412
 Leach Date: 07/13/2015 1935

Analysis Batch: 580-194954
 Prep Batch: 580-194815
 Leach Batch: 580-194731

Instrument ID: TAC104
 Lab File ID: 194846-TAC104-FCW.C
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	112	105	80 - 120	7	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-194815**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 580-51321-1 Units: mg/L
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/15/2015 1143
 Prep Date: 07/14/2015 1412
 Leach Date: 07/13/2015 1935

MSD Lab Sample ID: 580-51321-1
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 07/15/2015 1145
 Prep Date: 07/14/2015 1412
 Leach Date: 07/13/2015 1935

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	ND	0.0200	0.0200	0.0224	0.0210

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51321-1

Duplicate - Batch: 580-194815

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: 580-51321-1	Analysis Batch: 580-194954	Instrument ID: TAC104
Client Matrix: Solid	Prep Batch: 580-194815	Lab File ID: 194846-TAC104-FCW.C
Dilution: 1.0	Leach Batch: 580-194731	Initial Weight/Volume: 5 mL
Analysis Date: 07/15/2015 1141	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 07/14/2015 1412		
Leach Date: 07/13/2015 1935		

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	ND	ND	NC	20	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51321-1

Duplicate - Batch: 580-194439

**Method: D 2216
Preparation: N/A**

Lab Sample ID:	580-51321-5	Analysis Batch:	580-194439	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	07/09/2015 1259	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	85	85	0.2	20	
Percent Moisture	15	15	1	20	

DATA REPORTING QUALIFIERS

Client: Leidos, Inc.

Job Number: 580-51321-1

Lab Section	Qualifier	Description
Metals	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51321-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 580-194167					
580-51321-4	395-A-07-B-1	T	Solid	Sieve	
580-51321-5	397-A-03-B-1	T	Solid	Sieve	
580-51321-6	398-A-05-B-1	T	Solid	Sieve	
Prep Batch: 580-194423					
LCS 580-194423/19-A	Lab Control Sample	T	Solid	3050B	
LCSD 580-194423/20-A	Lab Control Sample Duplicate	T	Solid	3050B	
LCSSRM 580-194423/21-A	LCS-Certified Reference Material	T	Solid	3050B	
MB 580-194423/18-A	Method Blank	T	Solid	3050B	
580-51321-4	395-A-07-B-1	T	Solid	3050B	580-194167
580-51321-5	397-A-03-B-1	T	Solid	3050B	580-194167
580-51321-6	398-A-05-B-1	T	Solid	3050B	580-194167
Analysis Batch:580-194520					
LCS 580-194423/19-A	Lab Control Sample	T	Solid	6020	580-194423
LCSD 580-194423/20-A	Lab Control Sample Duplicate	T	Solid	6020	580-194423
LCSSRM 580-194423/21-A	LCS-Certified Reference Material	T	Solid	6020	580-194423
MB 580-194423/18-A	Method Blank	T	Solid	6020	580-194423
580-51321-4	395-A-07-B-1	T	Solid	6020	580-194423
580-51321-5	397-A-03-B-1	T	Solid	6020	580-194423
580-51321-6	398-A-05-B-1	T	Solid	6020	580-194423
Prep Batch: 580-194731					
LCS 580-194731/2-B	Lab Control Sample	P	Solid	1311	
LCS 580-194731/2-C	Lab Control Sample	P	Solid	1311	
LCSD 580-194731/3-B	Lab Control Sample Duplicate	P	Solid	1311	
LCSD 580-194731/3-C	Lab Control Sample Duplicate	P	Solid	1311	
MB 580-194731/1-B	Method Blank	P	Solid	1311	
MB 580-194731/1-C	Method Blank	P	Solid	1311	
580-51321-1	TCLP - 395 - A	P	Solid	1311	
580-51321-1DU	Duplicate	P	Solid	1311	
580-51321-1MS	Matrix Spike	P	Solid	1311	
580-51321-1MSD	Matrix Spike Duplicate	P	Solid	1311	
580-51321-2	TCLP - 397 - A	P	Solid	1311	
580-51321-3	TCLP - 398 - A	P	Solid	1311	

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51321-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 580-194813					
LCSSRM 580-194813/12-A	LCS-Certified Reference Material	T	Water	3010A	
LCS 580-194731/2-B	Lab Control Sample	P	Solid	3010A	580-194731
LCSD 580-194731/3-B	Lab Control Sample Duplicate	P	Solid	3010A	580-194731
MB 580-194731/1-B	Method Blank	P	Solid	3010A	580-194731
580-51321-1	TCLP - 395 - A	P	Solid	3010A	580-194731
580-51321-1DU	Duplicate	P	Solid	3010A	580-194731
580-51321-1MS	Matrix Spike	P	Solid	3010A	580-194731
580-51321-1MSD	Matrix Spike Duplicate	P	Solid	3010A	580-194731
580-51321-2	TCLP - 397 - A	P	Solid	3010A	580-194731
580-51321-3	TCLP - 398 - A	P	Solid	3010A	580-194731
Prep Batch: 580-194815					
LCSSRM 580-194815/10-A	LCS-Certified Reference Material	T	Water	7470A	
LCS 580-194731/2-C	Lab Control Sample	P	Solid	7470A	580-194731
LCSD 580-194731/3-C	Lab Control Sample Duplicate	P	Solid	7470A	580-194731
MB 580-194731/1-C	Method Blank	P	Solid	7470A	580-194731
580-51321-1	TCLP - 395 - A	P	Solid	7470A	580-194731
580-51321-1DU	Duplicate	P	Solid	7470A	580-194731
580-51321-1MS	Matrix Spike	P	Solid	7470A	580-194731
580-51321-1MSD	Matrix Spike Duplicate	P	Solid	7470A	580-194731
580-51321-2	TCLP - 397 - A	P	Solid	7470A	580-194731
580-51321-3	TCLP - 398 - A	P	Solid	7470A	580-194731
Analysis Batch:580-194943					
LCS 580-194731/2-B	Lab Control Sample	P	Solid	6010B	580-194813
LCSD 580-194731/3-B	Lab Control Sample Duplicate	P	Solid	6010B	580-194813
MB 580-194731/1-B	Method Blank	P	Solid	6010B	580-194813
LCSSRM 580-194813/12-A	LCS-Certified Reference Material	T	Water	6010B	580-194813
580-51321-1	TCLP - 395 - A	P	Solid	6010B	580-194813
580-51321-1DU	Duplicate	P	Solid	6010B	580-194813
580-51321-1MS	Matrix Spike	P	Solid	6010B	580-194813
580-51321-1MSD	Matrix Spike Duplicate	P	Solid	6010B	580-194813
580-51321-2	TCLP - 397 - A	P	Solid	6010B	580-194813
580-51321-3	TCLP - 398 - A	P	Solid	6010B	580-194813

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51321-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:580-194954					
LCS 580-194731/2-C	Lab Control Sample	P	Solid	7470A	580-194815
LCSD 580-194731/3-C	Lab Control Sample Duplicate	P	Solid	7470A	580-194815
MB 580-194731/1-C	Method Blank	P	Solid	7470A	580-194815
LCSSRM 580-194815/10-A	LCS-Certified Reference Material	T	Water	7470A	580-194815
580-51321-1	TCLP - 395 - A	P	Solid	7470A	580-194815
580-51321-1DU	Duplicate	P	Solid	7470A	580-194815
580-51321-1MS	Matrix Spike	P	Solid	7470A	580-194815
580-51321-1MSD	Matrix Spike Duplicate	P	Solid	7470A	580-194815
580-51321-2	TCLP - 397 - A	P	Solid	7470A	580-194815
580-51321-3	TCLP - 398 - A	P	Solid	7470A	580-194815

Report Basis

P = TCLP
T = Total

General Chemistry

Analysis Batch:580-194184					
580-51321-4	395-A-07-B-1	T	Solid	D 2216	
Analysis Batch:580-194354					
580-51321-5	397-A-03-B-1	T	Solid	D 2216	
580-51321-6	398-A-05-B-1	T	Solid	D 2216	
Analysis Batch:580-194439					
580-51321-5	397-A-03-B-1	T	Solid	D 2216	
580-51321-5DU	Duplicate	T	Solid	D 2216	
580-51321-6	398-A-05-B-1	T	Solid	D 2216	

Report Basis

T = Total

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51321-1

Laboratory Chronicle

Lab ID: 580-51321-1

Client ID: TCLP - 395 - A

Sample Date/Time: 06/19/2015 14:01 Received Date/Time: 06/30/2015 08:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-51321-A-1-B		580-194943	580-194813	07/14/2015	14:06	1	TAL SEA	PAB
A:6010B	580-51321-A-1-B		580-194943	580-194813	07/15/2015	10:29	1	TAL SEA	HJM
P:7470A	580-51321-A-1-F		580-194954	580-194815	07/14/2015	14:12	1	TAL SEA	PAB
A:7470A	580-51321-A-1-F		580-194954	580-194815	07/15/2015	11:38	1	TAL SEA	FCW

Lab ID: 580-51321-1 MS

Client ID: TCLP - 395 - A

Sample Date/Time: 06/19/2015 14:01 Received Date/Time: 06/30/2015 08:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-51321-A-1-D MS		580-194943	580-194813	07/14/2015	14:06	1	TAL SEA	PAB
A:6010B	580-51321-A-1-D MS		580-194943	580-194813	07/15/2015	10:36	1	TAL SEA	HJM
P:7470A	580-51321-A-1-H MS		580-194954	580-194815	07/14/2015	14:12	1	TAL SEA	PAB
A:7470A	580-51321-A-1-H MS		580-194954	580-194815	07/15/2015	11:43	1	TAL SEA	FCW

Lab ID: 580-51321-1 MSD

Client ID: TCLP - 395 - A

Sample Date/Time: 06/19/2015 14:01 Received Date/Time: 06/30/2015 08:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-51321-A-1-E MSD		580-194943	580-194813	07/14/2015	14:06	1	TAL SEA	PAB
A:6010B	580-51321-A-1-E MSD		580-194943	580-194813	07/15/2015	10:38	1	TAL SEA	HJM
P:7470A	580-51321-A-1-I MSD		580-194954	580-194815	07/14/2015	14:12	1	TAL SEA	PAB
A:7470A	580-51321-A-1-I MSD		580-194954	580-194815	07/15/2015	11:45	1	TAL SEA	FCW

Lab ID: 580-51321-1 DU

Client ID: TCLP - 395 - A

Sample Date/Time: 06/19/2015 14:01 Received Date/Time: 06/30/2015 08:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3010A	580-51321-A-1-C DU		580-194943	580-194813	07/14/2015	14:06	1	TAL SEA	PAB
A:6010B	580-51321-A-1-C DU		580-194943	580-194813	07/15/2015	10:32	1	TAL SEA	HJM
P:7470A	580-51321-A-1-G DU		580-194954	580-194815	07/14/2015	14:12	1	TAL SEA	PAB
A:7470A	580-51321-A-1-G DU		580-194954	580-194815	07/15/2015	11:41	1	TAL SEA	FCW

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51321-1

Laboratory Chronicle

Lab ID: 580-51321-1 SD

Client ID: TCLP - 395 - A

Sample Date/Time: 06/19/2015 14:01 Received Date/Time: 06/30/2015 08:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	580-51321-A-1-B SD ^5		580-194943	580-194813	07/14/2015	14:06	5	TAL SEA	PAB
A:6010B	580-51321-A-1-B SD ^5		580-194943	580-194813	07/15/2015	10:25	5	TAL SEA	HJM
P:3010A	580-51321-A-1-B PDS		580-194943	580-194813	07/14/2015	14:06	1	TAL SEA	PAB
A:6010B	580-51321-A-1-B PDS		580-194943	580-194813	07/15/2015	10:41	1	TAL SEA	HJM

Lab ID: 580-51321-2

Client ID: TCLP - 397 - A

Sample Date/Time: 06/22/2015 14:53 Received Date/Time: 06/30/2015 08:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	580-51321-A-2-B		580-194943	580-194813	07/14/2015	14:06	1	TAL SEA	PAB
A:6010B	580-51321-A-2-B		580-194943	580-194813	07/15/2015	10:50	1	TAL SEA	HJM
P:7470A	580-51321-A-2-C		580-194954	580-194815	07/14/2015	14:12	1	TAL SEA	PAB
A:7470A	580-51321-A-2-C		580-194954	580-194815	07/15/2015	11:48	1	TAL SEA	FCW

Lab ID: 580-51321-3

Client ID: TCLP - 398 - A

Sample Date/Time: 06/24/2015 12:40 Received Date/Time: 06/30/2015 08:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3010A	580-51321-A-3-B		580-194943	580-194813	07/14/2015	14:06	1	TAL SEA	PAB
A:6010B	580-51321-A-3-B		580-194943	580-194813	07/15/2015	10:54	1	TAL SEA	HJM
P:7470A	580-51321-A-3-C		580-194954	580-194815	07/14/2015	14:12	1	TAL SEA	PAB
A:7470A	580-51321-A-3-C		580-194954	580-194815	07/15/2015	11:50	1	TAL SEA	FCW

Lab ID: 580-51321-4

Client ID: 395-A-07-B-1

Sample Date/Time: 06/19/2015 11:36 Received Date/Time: 06/30/2015 08:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3050B	580-51321-A-4-B		580-194520	580-194423	07/09/2015	11:11	10	TAL SEA	MKN
A:6020	580-51321-A-4-B		580-194520	580-194423	07/09/2015	23:54	10	TAL SEA	FCW
A:D 2216	580-51321-A-4		580-194184		07/07/2015	13:49	1	TAL SEA	DGY

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51321-1

Laboratory Chronicle

Lab ID: 580-51321-5

Client ID: 397-A-03-B-1

Sample Date/Time: 06/22/2015 11:25 Received Date/Time: 06/30/2015 08:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51321-A-5-B		580-194520	580-194423	07/09/2015 11:11	10	TAL SEA	MKN
A:6020	580-51321-A-5-B		580-194520	580-194423	07/10/2015 00:01	10	TAL SEA	FCW
A:D 2216	580-51321-A-5		580-194354		07/09/2015 08:09	1	TAL SEA	CTT

Lab ID: 580-51321-5 DU

Client ID: 397-A-03-B-1

Sample Date/Time: 06/22/2015 11:25 Received Date/Time: 06/30/2015 08:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:D 2216	580-51321-A-5 DU		580-194439		07/09/2015 12:59	1	TAL SEA	MKN

Lab ID: 580-51321-6

Client ID: 398-A-05-B-1

Sample Date/Time: 06/24/2015 10:06 Received Date/Time: 06/30/2015 08:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	580-51321-A-6-B		580-194520	580-194423	07/09/2015 11:11	10	TAL SEA	MKN
A:6020	580-51321-A-6-B		580-194520	580-194423	07/10/2015 00:08	10	TAL SEA	FCW
A:D 2216	580-51321-A-6		580-194354		07/09/2015 08:09	1	TAL SEA	CTT

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	MB 580-194731/1-B		580-194943	580-194813	07/14/2015 14:06	1	TAL SEA	PAB
A:6010B	MB 580-194731/1-B		580-194943	580-194813	07/15/2015 10:13	1	TAL SEA	HJM
P:3050B	MB 580-194423/18-A		580-194520	580-194423	07/09/2015 11:11	10	TAL SEA	MKN
A:6020	MB 580-194423/18-A		580-194520	580-194423	07/09/2015 21:45	10	TAL SEA	FCW
P:7470A	MB 580-194731/1-C		580-194954	580-194815	07/14/2015 14:12	1	TAL SEA	PAB
A:7470A	MB 580-194731/1-C		580-194954	580-194815	07/15/2015 11:29	1	TAL SEA	FCW

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	LCS 580-194731/2-B		580-194943	580-194813	07/14/2015 14:06	1	TAL SEA	PAB
A:6010B	LCS 580-194731/2-B		580-194943	580-194813	07/15/2015 10:17	1	TAL SEA	HJM
P:3050B	LCS 580-194423/19-A		580-194520	580-194423	07/09/2015 11:11	50	TAL SEA	MKN
A:6020	LCS 580-194423/19-A		580-194520	580-194423	07/09/2015 21:52	50	TAL SEA	FCW
P:7470A	LCS 580-194731/2-C		580-194954	580-194815	07/14/2015 14:12	1	TAL SEA	PAB
A:7470A	LCS 580-194731/2-C		580-194954	580-194815	07/15/2015 11:31	1	TAL SEA	FCW

Quality Control Results

Client: Leidos, Inc.

Job Number: 580-51321-1

Laboratory Chronicle

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	LCSD 580-194731/3-B		580-194943	580-194813	07/14/2015 14:06	1	TAL SEA	PAB
A:6010B	LCSD 580-194731/3-B		580-194943	580-194813	07/15/2015 10:20	1	TAL SEA	HJM
P:3050B	LCSD 580-194423/20-A		580-194520	580-194423	07/09/2015 11:12	50	TAL SEA	MKN
A:6020	LCSD 580-194423/20-A		580-194520	580-194423	07/09/2015 21:58	50	TAL SEA	FCW
P:7470A	LCSD 580-194731/3-C		580-194954	580-194815	07/14/2015 14:12	1	TAL SEA	PAB
A:7470A	LCSD 580-194731/3-C		580-194954	580-194815	07/15/2015 11:34	1	TAL SEA	FCW

Lab ID: LCSSRM

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	LCSSRM 580-194813/12-A		580-194943	580-194813	07/14/2015 14:06	1	TAL SEA	PAB
A:6010B	LCSSRM 580-194813/12-A		580-194943	580-194813	07/15/2015 10:23	1	TAL SEA	HJM
P:3050B	LCSSRM 580-194423/21-A		580-194520	580-194423	07/09/2015 11:12	50	TAL SEA	MKN
A:6020	LCSSRM 580-194423/21-A		580-194520	580-194423	07/09/2015 22:05	50	TAL SEA	FCW
P:7470A	LCSSRM 580-194815/10-A		580-194954	580-194815	07/14/2015 14:12	1	TAL SEA	PAB
A:7470A	LCSSRM 580-194815/10-A		580-194954	580-194815	07/15/2015 11:36	1	TAL SEA	FCW

Lab References:

TAL SEA = TestAmerica Seattle

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration					
					Reagent ID	Volume Added							
Hg_CAL_WORK_00026	09/16/15	06/16/15	H2O, Lot standard	1000 mg/L	Hg_CAL_STOCK_00002	1 mL	Mercury	0.1 mg/L					
.Hg CAL STOCK 00002	11/30/18	AccuStandard, Lot 213115080			(Purchased Reagent)		Mercury	100 mg/L					
Hg_ICV_WORK_00029	09/16/15	06/16/15	H2O, Lot standard	1000 mg/L	Hg_ICV_STOCK_00005	1 mL	Mercury	0.1 mg/L					
.Hg ICV STOCK 00005	02/01/16	INORGANIC VENTURES, Lot G2-HG02113			(Purchased Reagent)		Mercury	100 mg/L					
ICP_CCV_00065	08/01/15	06/22/15	DI, Lot NA	2000 mL	ICP Std SolnB_00005	4 mL	Cadmium	1 mg/L					
							Chromium	1 mg/L					
					ICP Std SolnC_00005	4 mL	Arsenic	5 mg/L					
							Barium	5 mg/L					
							Lead	5 mg/L					
							Selenium	5 mg/L					
.ICP Std SolnB_00005	08/01/15	ESI, Lot 1420418		(Purchased Reagent)		Silver	0.5 mg/L						
						Cadmium	500 ug/mL						
.ICP Std SolnC_00005	08/01/15	CPI, Lot 1420501		(Purchased Reagent)		Chromium	500 ug/mL						
						Arsenic	2500 ug/mL						
						Barium	2500 ug/mL						
						Lead	2500 ug/mL						
						Selenium	2500 ug/mL						
						Silver	250 ug/mL						
ICP_ICSA_00069	11/19/15	06/08/15	DI, Lot NA	500 mL	ICP_ICSA_00065	50 mL	Al	500 mg/L					
							Ca	500 mg/L					
							Fe	500 mg/L					
							Mg	500 mg/L					
.ICP_ICSA_00065	11/19/15	Elemental Scientific, Lot 1427502		(Purchased Reagent)		Al	5000 ug/mL						
						Ca	5000 ug/mL						
						Fe	5000 ug/mL						
						Mg	5000 ug/mL						
ICP_ICSAB_00057	11/19/15	06/08/15	H2O, Lot NA	500 mL	ICP_ICSA_00065	50 mL	Al	500 mg/L					
							Ca	500 mg/L					
							Fe	500 mg/L					
							Mg	500 mg/L					
					ICP_ICSAB_1_00002					ICP_ICSAB_1_00002	5 mL	Arsenic	10 mg/L
												Barium	3 mg/L
												Be	1 mg/L
												Cadmium	3 mg/L
												Chromium	3 mg/L
												Co	3 mg/L
												Cu	3 mg/L
												K	200 mg/L
												Lead	10 mg/L
												Mn	2 mg/L
												Ni	3 mg/L
												Tl	10 mg/L
												V	3 mg/L
Zn	3 mg/L												

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					ICP ICSAB 2_00002	5 mL	Sb	10 mg/L
					ICP ICSAB 3_00002	5 mL	B	5 mg/L
							Mo	3 mg/L
							Si	2.5 mg/L
							Ti	10 mg/L
					ICP ICSAB 4_00002	5 mL	Silver	3 mg/L
.ICP ICSA_00065	11/19/15		Elemental Scientific, Lot 1427502		(Purchased Reagent)		Al	5000 ug/mL
							Ca	5000 ug/mL
							Fe	5000 ug/mL
							Mg	5000 ug/mL
.ICP ICSAB 1_00002	11/19/15		ESI elemental Scientific, Lot 1419502		(Purchased Reagent)		Arsenic	1000 ug/mL
							Barium	300 ug/mL
							Be	100 ug/mL
							Cadmium	300 ug/mL
							Chromium	300 ug/mL
							Co	300 ug/mL
							Cu	300 ug/mL
							K	20000 ug/mL
							Lead	1000 ug/mL
							Mn	200 ug/mL
							Ni	300 ug/mL
							Tl	1000 ug/mL
							V	300 ug/mL
							Zn	300 ug/mL
.ICP ICSAB 2_00002	11/19/15		ESI elemental scientific, Lot 1429301		(Purchased Reagent)		Sb	1000 ug/mL
.ICP ICSAB 3_00002	11/19/15		ESI elemental scientific, Lot 1417701		(Purchased Reagent)		B	500 ug/mL
							Mo	300 ug/mL
							Si	250 ug/mL
							Ti	1000 ug/mL
.ICP ICSAB 4_00002	11/19/15		ESI elemental scientific, Lot 1415425		(Purchased Reagent)		Silver	300 ug/mL
ICP ICV-2_00050	07/30/15	06/22/15	H2O, Lot NA	500 mL	ICP-ICV-1_00004	2.5 mL	Barium	0.25 mg/L
							Cadmium	0.25 mg/L
							Chromium	1 mg/L
							Lead	1 mg/L
							Silver	0.5 mg/L
					ICP-ICV-2_00004	2.5 mL	Arsenic	2.5 mg/L
							Selenium	5 mg/L
.ICP-ICV-1_00004	07/30/15		Spex, Lot 11-109YP		(Purchased Reagent)		Barium	50 mg/L
							Cadmium	50 mg/L
							Chromium	200 mg/L
							Lead	200 mg/L
							Silver	100 mg/L
.ICP-ICV-2_00004	07/30/15		Spex, Lot 11-110YP		(Purchased Reagent)		Arsenic	500 mg/L
							Selenium	1000 mg/L
ICP-RL_00030	11/19/15	06/22/15	DI, Lot NA	1000 mL	ICP RL SolnA_00004	1 mL	Arsenic	0.06 mg/L
							Barium	0.01 mg/L
							Cadmium	0.01 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chromium	0.025 mg/L
							Lead	0.03 mg/L
							Selenium	0.1 mg/L
					ICP RL SolnB 00004	1 mL	Silver	0.05 mg/L
.ICP RL SolnA_00004	11/19/15		Elemental Scientific, Lot 1431835		(Purchased Reagent)		Arsenic	60 mg/L
							Barium	10 mg/L
							Cadmium	10 mg/L
							Chromium	25 mg/L
							Lead	30 mg/L
							Selenium	100 mg/L
.ICP RL SolnB 00004	11/19/15		Elemental Science, Lot 1431836		(Purchased Reagent)		Silver	50 mg/L
ICPMS CAL #4 00014	09/30/15	07/01/15	H2O, Lot 020713	1000 mL	ICPMS-CAL 00001	5 mL	Arsenic	50 ug/L
.ICPMS-CAL 00001	01/01/16		CPI, Lot 1068277		(Purchased Reagent)		Arsenic	10 mg/L
ICPMS ICV 00016	09/30/15	07/01/15	H2O, Lot 122713	1000 mL	ICPMS-ICV1 00001	4 mL	Arsenic	40 ug/L
.ICPMS-ICV1 00001	12/17/15		High-Purity Standards, Lot 1415508		(Purchased Reagent)		Arsenic	10 mg/L
ICPMS RL_00021	09/30/15	07/01/15	H2O, Lot 020713	1000 mL	ICPMS-CAL 00001	0.2 mL	Arsenic	5 ug/L
					ICPMS RL SPK 00007	1 mL	Arsenic	5 ug/L
.ICPMS-CAL 00001	01/01/16		CPI, Lot 1068277		(Purchased Reagent)		Arsenic	10 mg/L
.ICPMS RL SPK 00007	09/30/15	07/08/14	H2O, Lot 053013	1000 mL	As-1000 00002	3 mL	Arsenic	3 ug/mL
..As-1000 00002	06/30/16		AccuStandard, Lot 209075065-01		(Purchased Reagent)		Arsenic	1000 mg/L
ICPMS- ICSA_00008	12/01/15		Inorganic Ventures, Lot g2-meb503046		(Purchased Reagent)		Al	1000 ug/mL
							Ca	3000 ug/mL
							Fe	2500 ug/mL
							K	1000 ug/mL
							Mg	1000 ug/mL
							Mo	20 ug/mL
							Na	2500 ug/mL
							P	1000 ug/mL
							Ti	20 ug/mL
ICPMS-ICSB_00008	12/01/15		Inorganic Ventures, Lot f2-meb429070		(Purchased Reagent)		Arsenic	10 ug/mL
							Cadmium	10 ug/mL
							Chromium	20 ug/mL
							Co	20 ug/mL
							Cu	20 ug/mL
							Mn	20 ug/mL
							Ni	20 ug/mL
							Selenium	10 ug/mL
							Silver	5 ug/mL
							V	20 ug/mL
							Zn	10 ug/mL
m-GPS-1_00037	03/01/16		Ibis Scientific, Lot 1073986		(Purchased Reagent)		Al	500 ppm
							Arsenic	200 ppm
							Barium	200 ppm
							Be	5 ppm
							Cadmium	5 ppm
							Chromium	20 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Co	50 ppm
							Cu	25 ppm
							Fe	100 ppm
							Lead	50 ppm
							Mn	50 ppm
							Ni	50 ppm
							Sb	50 ppm
							Selenium	200 ppm
							Silver	5 ppm
							Tl	200 ppm
							V	50 ppm
							Zn	200 ppm
m-GPS-2_00029	05/31/16		Ibis Scientific, Lot 1074005			(Purchased Reagent)	Sb	100 ppm
							Silver	25 ppm
m-GPS-3_00031	06/30/16		Ibis Scientific, Lot 1075373			(Purchased Reagent)	Ca	1000 ppm
							Fe	1000 ppm
							K	1000 ppm
							Mg	1000 ppm
							Na	1000 ppm
							P	1000 ppm
							Si	1000 ppm
							SiO2	2140 ppm
m-GPS-4_00031	05/31/16		Ibis Scientific, Lot 1073998			(Purchased Reagent)	B	250 ppm
							Mo	250 ppm
							Sn	250 ppm
							Ti	250 ppm
SRMsolid_00010	03/31/18		ERA, Lot D086-540			(Purchased Reagent)	Al	7460 mg/Kg
							Arsenic	139 mg/Kg
							B	133 mg/Kg
							Barium	203 mg/Kg
							Be	96.1 mg/Kg
							Ca	6040 mg/Kg
							Cadmium	96 mg/Kg
							Chromium	136 mg/Kg
							Co	148 mg/Kg
							Cu	168 mg/Kg
							Fe	14100 mg/Kg
							K	2540 mg/Kg
							Lead	133 mg/Kg
							Mercury	12.9 mg/Kg
							Mg	2800 mg/Kg
							Mn	297 mg/Kg
							Mo	112 mg/Kg
							Na	761 mg/Kg
							Ni	123 mg/Kg
							Sb	88.8 mg/Kg

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Selenium	177 mg/Kg
							Silver	40.2 mg/Kg
							Sn	132 mg/Kg
							Sr	101 mg/Kg
							Ti	306 mg/Kg
							Tl	138 mg/Kg
							V	107 mg/Kg
							Zn	189 mg/Kg

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Seattle

Job Number: 580-51321-1

SDG No.: _____

Project: EVPARKS

Client Sample ID

Lab Sample ID

TCLP - 395 - A

580-51321-1

TCLP - 397 - A

580-51321-2

TCLP - 398 - A

580-51321-3

395-A-07-B-1

580-51321-4

397-A-03-B-1

580-51321-5

398-A-05-B-1

580-51321-6

Comments:

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP - 395 - A

Lab Sample ID: 580-51321-1

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/19/2015 14:01

Reporting Basis: WET

Date Received: 06/30/2015 08:35

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.58	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0013	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.0036	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.014	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP - 397 - A

Lab Sample ID: 580-51321-2

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/22/2015 14:53

Reporting Basis: WET

Date Received: 06/30/2015 08:35

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.81	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0043	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	0.0041	0.025	0.0033	mg/L	J		1	6010B
7439-92-1	Lead	0.053	0.030	0.0026	mg/L			1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TCLP

Client Sample ID: TCLP - 398 - A

Lab Sample ID: 580-51321-3

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/24/2015 12:40

Reporting Basis: WET

Date Received: 06/30/2015 08:35

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.060	0.0047	mg/L			1	6010B
7440-39-3	Barium	0.51	0.010	0.00080	mg/L		B	1	6010B
7440-43-9	Cadmium	0.0016	0.020	0.00050	mg/L	J		1	6010B
7440-47-3	Chromium	ND	0.025	0.0033	mg/L			1	6010B
7439-92-1	Lead	0.016	0.030	0.0026	mg/L	J		1	6010B
7782-49-2	Selenium	ND	0.10	0.0054	mg/L			1	6010B
7440-22-4	Silver	ND	0.050	0.0085	mg/L			1	6010B
7439-97-6	Mercury	ND	0.0020	0.00041	mg/L			1	7470A

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 395-A-07-B-1

Lab Sample ID: 580-51321-4

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/19/2015 11:36

Reporting Basis: DRY

Date Received: 06/30/2015 08:35

% Solids: 92.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	39	0.52	0.19	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 397-A-03-B-1

Lab Sample ID: 580-51321-5

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 06/22/2015 11:25

Reporting Basis: DRY

Date Received: 06/30/2015 08:35

% Solids: 85.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	69	0.57	0.20	mg/Kg			10	6020

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: 398-A-05-B-1

Lab Sample ID: 580-51321-6

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

SDG ID.:

Matrix: Solid

Date Sampled: 06/24/2015 10:06

Reporting Basis: DRY

Date Received: 06/30/2015 08:35

% Solids: 85.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	43	0.56	0.20	mg/Kg			10	6020

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

ICV Source: ICP ICV-2_00050 Concentration Units: mg/L

CCV Source: ICP CCV_00065

Analyte	ICV 580-194943/6 07/15/2015 09:33				CCV 580-194943/17 07/15/2015 10:07				CCV 580-194943/29 07/15/2015 10:44			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	2.38		2.50	95	4.77		5.00	95	4.97		5.00	99
Barium	0.256		0.250	102	5.00		5.00	100	5.02		5.00	100
Cadmium	0.238		0.250	95	0.990		1.00	99	0.959		1.00	96
Chromium	0.926		1.00	93	0.954		1.00	95	0.958		1.00	96
Lead	0.970		1.00	97	4.98		5.00	100	4.89		5.00	98
Selenium	4.84		5.00	97	4.78		5.00	96	5.04		5.00	101
Silver	0.493		0.500	99	0.494		0.500	99	0.490		0.500	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

ICV Source: ICP ICV-2_00050 Concentration Units: mg/L

CCV Source: ICP CCV_00065

Analyte	CCV 580-194943/33 07/15/2015 10:57											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	4.93		5.00	99								
Barium	5.02		5.00	100								
Cadmium	0.955		1.00	96								
Chromium	0.954		1.00	95								
Lead	4.87		5.00	97								
Selenium	4.99		5.00	100								
Silver	0.490		0.500	98								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

ICV Source: ICPMS ICV_00016 Concentration Units: mg/L

CCV Source: ICPMS CAL #4_00014

Analyte	ICV 580-194520/7 07/09/2015 12:42				CCV 580-194520/70 07/09/2015 21:24				CCV 580-194520/83 07/09/2015 22:53			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0399		0.0400	100	0.0497		0.0500	99	0.0495		0.0500	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

ICV Source: ICPMS ICV_00016 Concentration Units: mg/L

CCV Source: ICPMS CAL #4_00014

Analyte	CCV 580-194520/95 07/10/2015 00:21											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0502		0.0500	100								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

ICV Source: ICPMS ICV_00016 Concentration Units: mg/L

CCV Source: ICPMS RL_00021

Analyte	ICV 580-194520/7 07/09/2015 12:42				CCVL 580-194520/72 07/09/2015 21:38				CCVL 580-194520/85 07/09/2015 23:07			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0399		0.0400	100	0.00491		0.00500	98	0.00489		0.00500	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

ICV Source: ICPMS ICV_00016 Concentration Units: mg/L

CCV Source: ICPMS RL_00021

Analyte	CCVL 580-194520/97 07/10/2015 00:35											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.00495		0.00500	99								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

ICV Source: Hg_ICV_WORK_00029 Concentration Units: mg/L

CCV Source: Hg_CAL_WORK_00026

Analyte	ICV 580-194954/7 07/15/2015 08:40				CCV 580-194954/71 07/15/2015 11:24				CCV 580-194954/83 07/15/2015 11:52			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00404		0.00400	101	0.00525		0.00500	105	0.00529		0.00500	106

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1
 SDG No.: _____
 Method: 6010B Instrument ID: TAC047
 Lab Sample ID: CRI 580-194943/8 Concentration Units: mg/L
 CRQL Check Standard Source: ICP-RL_00030

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.0600	0.0602		100	50-150
Barium	0.0100	0.00990	J	99	50-150
Cadmium	0.0100	0.00900	J	90	50-150
Chromium	0.0250	0.0222	J	89	50-150
Lead	0.0300	0.0292	J	97	50-150
Selenium	0.100	0.103		103	50-150
Silver	0.0500	0.0487	J	97	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1
 SDG No.: _____
 Method: 6020 Instrument ID: SEA044
 Lab Sample ID: CRI 580-194520/9 Concentration Units: mg/L
 CRQL Check Standard Source: ICPMS RL_00021

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.00500	0.00497		99	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-194943/7 07/15/2015 09:36		CCB 580-194943/18 07/15/2015 10:10		CCB 580-194943/30 07/15/2015 10:47		CCB 580-194943/34 07/15/2015 11:00	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.060	ND		ND		0.00490	J	ND	
Barium	0.010	0.00160	J	0.00390	J	0.00550	J	0.00570	J
Cadmium	0.020	ND		ND		0.000600	J	0.000500	J
Chromium	0.025	ND		ND		ND		ND	
Lead	0.030	ND		0.00370	J	0.00400	J	0.00310	J
Selenium	0.10	ND		ND		0.00840	J	0.00660	J
Silver	0.050	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-194520/8 07/09/2015 12:48		CCB 580-194520/71 07/09/2015 21:31		CCB 580-194520/84 07/09/2015 23:00		CCB 580-194520/96 07/10/2015 00:28	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.0010	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 580-194954/8 07/15/2015 08:42		CCB 580-194954/72 07/15/2015 11:27		CCB 580-194954/84 07/15/2015 11:55		Found	C
		Found	C	Found	C	Found	C		
Mercury	0.00020	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Seattle Job No.: 580-51321-1
 SDG No.: _____
 Concentration Units: mg/L Lab Sample ID: MB 580-194731/1-B
 Instrument Code: TAC047 Batch No.: 194943

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	0.00640	J		6010B
7440-43-9	Cadmium	ND			6010B
7440-47-3	Chromium	ND			6010B
7439-92-1	Lead	ND			6010B
7782-49-2	Selenium	ND			6010B
7440-22-4	Silver	ND			6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1
SDG No.: _____
Concentration Units: mg/Kg Lab Sample ID: MB 580-194423/18-A
Instrument Code: SEA044 Batch No.: 194520

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6020

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Seattle Job No.: 580-51321-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 580-194731/1-C
Instrument Code: TAC104 Batch No.: 194954

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

SDG No.: _____

Lab Sample ID: ICSA 580-194943/9

Instrument ID: TAC047

Lab File ID: 194862 813 782.asc

ICS Source: ICP ICSA_00069

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		0.0011	
Barium		0.0011	
Cadmium		0.0056	
Chromium		-0.0027	
Lead		-0.0012	
Selenium		-0.0076	
Silver		0.0093	
<i>Aluminum</i>	<i>500</i>	<i>493</i>	<i>99</i>
<i>Antimony</i>		<i>0.0192</i>	
<i>Beryllium</i>		<i>-0.0001</i>	
<i>Bismuth</i>		<i>0.0116</i>	
<i>Boron</i>		<i>0.0021</i>	
<i>Calcium</i>	<i>500</i>	<i>481</i>	<i>96</i>
<i>Cobalt</i>		<i>0.0021</i>	
<i>Copper</i>		<i>0.0039</i>	
<i>Iron</i>	<i>500</i>	<i>473</i>	<i>95</i>
<i>Magnesium</i>	<i>500</i>	<i>488</i>	<i>98</i>
<i>Manganese</i>		<i>-0.0003</i>	
<i>Molybdenum</i>		<i>-0.0031</i>	
<i>Nickel</i>		<i>0.0035</i>	
<i>Phosphorus</i>		<i>0.0044</i>	
<i>Potassium</i>		<i>-0.0171</i>	
<i>Silicon</i>		<i>0.0171</i>	
<i>Sodium</i>		<i>0.0331</i>	
<i>Strontium</i>		<i>0.0060</i>	
<i>Thallium</i>		<i>-0.0042</i>	
<i>Tin</i>		<i>0.0009</i>	
<i>Titanium</i>		<i>-0.0263</i>	
<i>Vanadium</i>		<i>-0.0195</i>	
<i>Zinc</i>		<i>0.0047</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

SDG No.: _____

Lab Sample ID: ICSAB 580-194943/10

Instrument ID: TAC047

Lab File ID: 194862 813 782.asc

ICS Source: ICP ICSAB_00057

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	10.0	10.4	104
Barium	3.00	3.13	104
Cadmium	3.00	3.00	100
Chromium	3.00	3.05	102
Lead	10.0	9.90	99
Selenium		5.15	
Silver	3.00	3.11	104
<i>Aluminum</i>	<i>500</i>	<i>496</i>	<i>99</i>
<i>Antimony</i>	<i>10.0</i>	<i>10.6</i>	<i>106</i>
<i>Beryllium</i>	<i>1.00</i>	<i>1.02</i>	<i>102</i>
<i>Bismuth</i>		<i>0.0114</i>	
<i>Boron</i>	<i>5.00</i>	<i>5.10</i>	<i>102</i>
<i>Calcium</i>	<i>500</i>	<i>478</i>	<i>96</i>
<i>Cobalt</i>	<i>3.00</i>	<i>3.01</i>	<i>100</i>
<i>Copper</i>	<i>3.00</i>	<i>3.06</i>	<i>102</i>
<i>Iron</i>	<i>500</i>	<i>472</i>	<i>94</i>
<i>Magnesium</i>	<i>500</i>	<i>486</i>	<i>97</i>
<i>Manganese</i>	<i>2.00</i>	<i>2.00</i>	<i>100</i>
<i>Molybdenum</i>	<i>3.00</i>	<i>3.01</i>	<i>100</i>
<i>Nickel</i>	<i>3.00</i>	<i>2.98</i>	<i>99</i>
<i>Phosphorus</i>		<i>0.0057</i>	
<i>Potassium</i>	<i>200</i>	<i>211</i>	<i>106</i>
<i>Silicon</i>	<i>2.50</i>	<i>2.31</i>	<i>92</i>
<i>Sodium</i>		<i>0.0654</i>	
<i>Strontium</i>		<i>0.0059</i>	
<i>Thallium</i>	<i>10.0</i>	<i>9.69</i>	<i>97</i>
<i>Tin</i>		<i>0.0000</i>	
<i>Titanium</i>	<i>10.0</i>	<i>10.0</i>	<i>100</i>
<i>Vanadium</i>	<i>3.00</i>	<i>3.00</i>	<i>100</i>
<i>Zinc</i>	<i>3.00</i>	<i>2.90</i>	<i>97</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

SDG No.: _____

Lab Sample ID: ICSA 580-194520/10

Instrument ID: SEA044

Lab File ID: 021SMPL.D

ICS Source: ICPMS- ICSA_00008

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution A	Solution A	
Arsenic		0.0001	
Aluminum	20.0	20.9	104
Antimony		0.0000	
Barium		0.0001	
Beryllium		0.0000	
Cadmium		0.0001	
Calcium	60.0	62.7	105
Chromium		0.0006	
Cobalt		0.0000	
Copper		0.0003	
Iron	50.0	47.4	95
Lead		0.0001	
Magnesium	20.0	18.9	95
Manganese		0.0002	
Mercury		0.0000	
Molybdenum	0.400	0.454	113
Nickel		-0.0001	
Phosphorus	20.0	19.5	98
Potassium	20.0	18.9	95
Selenium		0.0001	
Silver		0.0000	
Sodium	50.0	46.7	93
Strontium		0.0002	
Thallium		0.0000	
Tin		0.0000	
Titanium	0.400	0.387	97
Uranium		0.0000	
Vanadium		0.0000	
Zinc		0.0005	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

SDG No.: _____

Lab Sample ID: ICSAB 580-194520/11

Instrument ID: SEA044

Lab File ID: 022SMPL.D

ICS Source: ICPMS- ICSA_00008

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	0.0200	0.0197	98
<i>Aluminum</i>	<i>20.0</i>	<i>20.9</i>	<i>105</i>
<i>Antimony</i>		<i>0.0000</i>	
<i>Barium</i>		<i>0.0000</i>	
<i>Beryllium</i>		<i>0.0000</i>	
<i>Cadmium</i>	<i>0.0200</i>	<i>0.0196</i>	<i>98</i>
<i>Calcium</i>	<i>60.0</i>	<i>63.2</i>	<i>105</i>
<i>Chromium</i>	<i>0.0400</i>	<i>0.0391</i>	<i>98</i>
<i>Cobalt</i>	<i>0.0400</i>	<i>0.0392</i>	<i>98</i>
<i>Copper</i>	<i>0.0400</i>	<i>0.0385</i>	<i>96</i>
<i>Iron</i>	<i>50.0</i>	<i>47.2</i>	<i>94</i>
<i>Lead</i>		<i>0.0001</i>	
<i>Magnesium</i>	<i>20.0</i>	<i>19.3</i>	<i>96</i>
<i>Manganese</i>	<i>0.0400</i>	<i>0.0378</i>	<i>94</i>
<i>Mercury</i>		<i>0.0000</i>	
<i>Molybdenum</i>	<i>0.400</i>	<i>0.456</i>	<i>114</i>
<i>Nickel</i>	<i>0.0400</i>	<i>0.0384</i>	<i>96</i>
<i>Phosphorus</i>	<i>20.0</i>	<i>19.6</i>	<i>98</i>
<i>Potassium</i>	<i>20.0</i>	<i>18.8</i>	<i>94</i>
<i>Selenium</i>	<i>0.0200</i>	<i>0.0192</i>	<i>96</i>
<i>Silver</i>	<i>0.0100</i>	<i>0.0099</i>	<i>99</i>
<i>Sodium</i>	<i>50.0</i>	<i>47.1</i>	<i>94</i>
<i>Strontium</i>		<i>0.0002</i>	
<i>Thallium</i>		<i>0.0000</i>	
<i>Tin</i>		<i>0.0000</i>	
<i>Titanium</i>	<i>0.400</i>	<i>0.388</i>	<i>97</i>
<i>Uranium</i>		<i>0.0000</i>	
<i>Vanadium</i>	<i>0.0400</i>	<i>0.0380</i>	<i>95</i>
<i>Zinc</i>	<i>0.0200</i>	<i>0.0195</i>	<i>98</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

SDG No.: _____

Lab Sample ID: ICSAB 580-194520/11

Instrument ID: SEA044

Lab File ID: 022SMPL.D

ICS Source: ICPMS-ICSB_00008

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	0.0200	0.0197	98
<i>Aluminum</i>	<i>20.0</i>	<i>20.9</i>	<i>105</i>
<i>Antimony</i>		<i>0.0000</i>	
<i>Barium</i>		<i>0.0000</i>	
<i>Beryllium</i>		<i>0.0000</i>	
<i>Cadmium</i>	<i>0.0200</i>	<i>0.0196</i>	<i>98</i>
<i>Calcium</i>	<i>60.0</i>	<i>63.2</i>	<i>105</i>
<i>Chromium</i>	<i>0.0400</i>	<i>0.0391</i>	<i>98</i>
<i>Cobalt</i>	<i>0.0400</i>	<i>0.0392</i>	<i>98</i>
<i>Copper</i>	<i>0.0400</i>	<i>0.0385</i>	<i>96</i>
<i>Iron</i>	<i>50.0</i>	<i>47.2</i>	<i>94</i>
<i>Lead</i>		<i>0.0001</i>	
<i>Magnesium</i>	<i>20.0</i>	<i>19.3</i>	<i>96</i>
<i>Manganese</i>	<i>0.0400</i>	<i>0.0378</i>	<i>94</i>
<i>Mercury</i>		<i>0.0000</i>	
<i>Molybdenum</i>	<i>0.400</i>	<i>0.456</i>	<i>114</i>
<i>Nickel</i>	<i>0.0400</i>	<i>0.0384</i>	<i>96</i>
<i>Phosphorus</i>	<i>20.0</i>	<i>19.6</i>	<i>98</i>
<i>Potassium</i>	<i>20.0</i>	<i>18.8</i>	<i>94</i>
<i>Selenium</i>	<i>0.0200</i>	<i>0.0192</i>	<i>96</i>
<i>Silver</i>	<i>0.0100</i>	<i>0.0099</i>	<i>99</i>
<i>Sodium</i>	<i>50.0</i>	<i>47.1</i>	<i>94</i>
<i>Strontium</i>		<i>0.0002</i>	
<i>Thallium</i>		<i>0.0000</i>	
<i>Tin</i>		<i>0.0000</i>	
<i>Titanium</i>	<i>0.400</i>	<i>0.388</i>	<i>97</i>
<i>Uranium</i>		<i>0.0000</i>	
<i>Vanadium</i>	<i>0.0400</i>	<i>0.0380</i>	<i>95</i>
<i>Zinc</i>	<i>0.0200</i>	<i>0.0195</i>	<i>98</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP - 395 - A MS

Lab ID: 580-51321-1 MS

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/L

% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.26	ND	4.00	107	75-125		6010B
Barium	4.57	0.58	4.00	100	75-125		6010B
Cadmium	0.105	0.0013 J	0.100	104	75-125		6010B
Chromium	0.375	0.0036 J	0.400	93	75-125		6010B
Lead	1.02	0.014 J	1.00	101	75-125		6010B
Selenium	4.41	ND	4.00	110	75-125		6010B
Silver	0.575	ND	0.600	96	75-125		6010B
Mercury	0.0224	ND	0.0200	112	80-120		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP - 395 - A MSD

Lab ID: 580-51321-1 MSD

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/L

% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.31	4.00	108	75-125	1	20		6010B
Barium	4.54	4.00	99	75-125	1	20		6010B
Cadmium	0.105	0.100	104	75-125	0	20		6010B
Chromium	0.377	0.400	93	75-125	1	20		6010B
Lead	1.03	1.00	101	75-125	0	20		6010B
Selenium	4.43	4.00	111	75-125	0	20		6010B
Silver	0.571	0.600	95	75-125	1	20		6010B
Mercury	0.0210	0.0200	105	80-120	7	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS - TCLP

Client ID: TCLP - 395 - A PDS

Lab ID: 580-51321-1 PDS

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/L

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.40	ND	4.00	110	75-125		6010B
Barium	4.69	0.58	4.00	103	75-125		6010B
Cadmium	0.108	0.0013	J 0.100	107	75-125		6010B
Chromium	0.389	0.0036	J 0.400	96	75-125		6010B
Lead	1.06	0.014	J 1.00	104	75-125		6010B
Selenium	4.50	ND	4.00	112	75-125		6010B
Silver	0.595	ND	0.600	99	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATES
 METALS - TCLP

Client ID: TCLP - 395 - A DU

Lab ID: 580-51321-1 DU

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

SDG No.: _____

% Solids for Sample: _____

% Solids for Duplicate: _____

Matrix: Solid

Concentration Units: mg/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Arsenic	0.060	ND	ND	NC		6010B
Barium	0.010	0.58	0.595	2		6010B
Cadmium	0.020	0.0013 J	0.00140 J	7		6010B
Chromium	0.025	0.0036 J	0.00340 J	6		6010B
Lead	0.030	0.014 J	0.0150 J	6		6010B
Selenium	0.10	ND	ND	NC		6010B
Silver	0.050	ND	ND	NC		6010B
Mercury	0.0020	ND	ND	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
 LAB CONTROL SAMPLE
 METALS - TCLP

Lab ID: LCS 580-194731/2-B

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00037

Analyte	Solid (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.15		104	80	120		6010B
Barium	4.00	3.90		97	80	120		6010B
Cadmium	0.100	0.102		102	80	120		6010B
Chromium	0.400	0.366		91	80	120		6010B
Lead	1.00	0.995		100	80	120		6010B
Selenium	4.00	4.28		107	80	120		6010B
Silver	0.600	0.569		95	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS - TCLP

Lab ID: LCSD 580-194731/3-B

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00037

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.20	4.00	105	80-120	1	20		6010B
Barium	3.96	4.00	99	80-120	2	20		6010B
Cadmium	0.102	0.100	102	80-120	0	20		6010B
Chromium	0.368	0.400	92	80-120	1	20		6010B
Lead	0.996	1.00	100	80-120	0	20		6010B
Selenium	4.36	4.00	109	80-120	2	20		6010B
Silver	0.567	0.600	94	80-120	0	20		6010B

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-194813/12-A

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

Sample Matrix: Water

LCS Source: m-GPS-1_00037

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.24		106	80	120		6010B
Barium	4.00	3.93		98	80	120		6010B
Cadmium	0.100	0.103		103	80	120		6010B
Chromium	0.400	0.369		92	80	120		6010B
Lead	1.00	1.00		100	80	120		6010B
Selenium	4.00	4.34		108	80	120		6010B
Silver	0.600	0.571		95	75	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 580-194423/19-A

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00037

Analyte	Solid(mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Arsenic	200	197		98	80 120		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS

Lab ID: LCSD 580-194423/20-A

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

Sample Matrix: Solid

LCS Source: m-GPS-1_00037

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	197	200	98	80-120	0	20		6020

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-194423/21-A

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

Sample Matrix: Solid

LCS Source: SRMsolid_00010

Analyte	Solid(mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Arsenic	139	135		97.4	70.4 140.3		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
 LAB CONTROL SAMPLE
 METALS - TCLP

Lab ID: LCS 580-194731/2-C

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

Sample Matrix: Solid

LCS Source: Hg_CAL_WORK_00026

Analyte	Solid (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.0200	0.0221		110	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS - TCLP

Lab ID: LCSD 580-194731/3-C

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

Sample Matrix: Solid

LCS Source: Hg_CAL_WORK_00026

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.0214	0.0200	107	80-120	3	20		7470A

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
 LCS-CERTIFIED REFERENCE MATERIAL
 METALS

Lab ID: LCSSRM 580-194815/10-A

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

Sample Matrix: Water

LCS Source: Hg_CAL_WORK_00026

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.0200	0.0204		102	75	125		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS - TCLP

Lab ID: 580-51321-1

SDG No: _____

Lab Name: TestAmerica Seattle

Job No: 580-51321-1

Matrix: Solid

Concentration Units: mg/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	Method
Arsenic	ND	ND	NC		6010B
Barium	0.58	0.592	1.3		6010B
Cadmium	0.0013 J	ND	NC		6010B
Chromium	0.0036 J	ND	NC		6010B
Lead	0.014 J	0.0195 J	NC		6010B
Selenium	ND	0.0305 J	NC		6010B
Silver	ND	ND	NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle

Job Number: 580-51321-1

SDG Number: _____

Matrix: Solid

Instrument ID: TAC047

Method: 6010B

MDL Date: 01/29/2015 10:21

Prep Method: 3010A

Leach Method: 1311

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Arsenic		0.06	0.0047
Barium		0.01	0.0008
Cadmium		0.02	0.0005
Chromium		0.025	0.0033
Lead		0.03	0.0026
Selenium		0.1	0.0054
Silver		0.05	0.0085

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle Job Number: 580-51321-1
SDG Number: _____
Matrix: Solid Instrument ID: TAC047
Method: 6010B XMDL Date: 01/29/2015 11:14

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Arsenic		0.06	0.0047
Barium		0.01	0.0008
Cadmium		0.02	0.0005
Chromium		0.025	0.0033
Lead		0.03	0.0026
Selenium		0.1	0.0054
Silver		0.05	0.0085

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Seattle Job Number: 580-51321-1
SDG Number: _____
Matrix: Solid Instrument ID: SEA044
Method: 6020 MDL Date: 01/16/2015 14:46
Prep Method: 3050B
Sieved Method: Sieve

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Arsenic		0.5	0.18

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Seattle Job Number: 580-51321-1
SDG Number: _____
Matrix: Solid Instrument ID: SEA044
Method: 6020 XMDL Date: 01/29/2015 11:12

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Arsenic		0.001	0.00027

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle Job Number: 580-51321-1
SDG Number: _____
Matrix: Solid Instrument ID: TAC104
Method: 7470A MDL Date: 06/06/2011 08:34
Prep Method: 7470A
Leach Method: 1311

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Mercury		0.0002	0.000041

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Seattle Job Number: 580-51321-1
SDG Number: _____
Matrix: Solid Instrument ID: TAC104
Method: 7470A XMDL Date: 01/29/2015 11:16

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Mercury		0.0002	0.000041

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Seattle

Job No: 580-51321-1

SDG No.: _____

Instrument ID: TAC047

Date: 12/03/2010 07:34

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Arsenic		125	6010B
Barium		125	6010B
Cadmium		10	6010B
Chromium		50	6010B
Lead		100	6010B
Selenium		50	6010B
Silver		10	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-51321-1	07/14/2015 14:06	194813		50	50
580-51321-1 DU	07/14/2015 14:06	194813		50	50
580-51321-1 MS	07/14/2015 14:06	194813		50	50
580-51321-1 MSD	07/14/2015 14:06	194813		50	50
580-51321-2	07/14/2015 14:06	194813		50	50
580-51321-3	07/14/2015 14:06	194813		50	50
MB 580-194731/1-B	07/14/2015 14:06	194813		50	50
LCS 580-194731/2-B	07/14/2015 14:06	194813		50	50
LCSD 580-194731/3-B	07/14/2015 14:06	194813		50	50
LCSSRM 580-194813/12-A	07/14/2015 14:06	194813		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle

Job No.: 580-51321-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
580-51321-4	07/09/2015 11:11	194423	1.0416		50
580-51321-5	07/09/2015 11:11	194423	1.0381		50
580-51321-6	07/09/2015 11:11	194423	1.0403		50
MB 580-194423/18-A	07/09/2015 11:11	194423	1.0		50
LCS 580-194423/19-A	07/09/2015 11:11	194423	1.0		50
LCSD 580-194423/20-A	07/09/2015 11:12	194423	1.0		50
LCSSRM 580-194423/21-A	07/09/2015 11:12	194423	0.5087		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
580-51321-1	07/14/2015 14:12	194815		5	50
580-51321-1 DU	07/14/2015 14:12	194815		5	50
580-51321-1 MS	07/14/2015 14:12	194815		5	50
580-51321-1 MSD	07/14/2015 14:12	194815		5	50
580-51321-2	07/14/2015 14:12	194815		5	50
580-51321-3	07/14/2015 14:12	194815		5	50
MB 580-194731/1-C	07/14/2015 14:12	194815		5	50
LCS 580-194731/2-C	07/14/2015 14:12	194815		5	50
LCSD 580-194731/3-C	07/14/2015 14:12	194815		5	50
LCSSRM 580-194815/10-A	07/14/2015 14:12	194815		5	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Instrument ID: TAC047 Method: 6010B

Start Date: 07/15/2015 09:17 End Date: 07/15/2015 11:41

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ICIS 580-194943/1	1		09:17	X	X	X	X	X	X	X									
STD1 580-194943/2 IC			09:20	X	X	X	X	X	X	X									
STD2 580-194943/3 IC			09:23	X	X	X	X	X	X	X									
STD3 580-194943/4 IC			09:26	X	X	X	X	X	X	X									
STD4 580-194943/5 IC			09:29	X	X	X	X	X	X	X									
ICV 580-194943/6	1		09:33	X	X	X	X	X	X	X									
ICB 580-194943/7	1		09:36	X	X	X	X	X	X	X									
CRI 580-194943/8	1		09:39	X	X	X	X	X	X	X									
ICSA 580-194943/9	1		09:42	X	X	X	X	X	X	X									
ICSAB 580-194943/10	1		09:46	X	X	X	X	X	X	X									
CCV 580-194943/11			09:49																
CCB 580-194943/12			09:52																
ZZZZZZ			09:55																
ZZZZZZ			09:58																
ZZZZZZ			10:01																
ZZZZZZ			10:04																
CCV 580-194943/17	1		10:07	X	X	X	X	X	X	X									
CCB 580-194943/18	1		10:10	X	X	X	X	X	X	X									
MB 580-194731/1-B	1	P	10:13	X	X	X	X	X	X	X									
LCS 580-194731/2-B	1	P	10:17	X	X	X	X	X	X	X									
LCSD 580-194731/3-B	1	P	10:20	X	X	X	X	X	X	X									
LCSSRM 580-194813/12-A	1	T	10:23	X	X	X	X	X	X	X									
580-51321-1 SD	5	P	10:25	X	X	X	X	X	X	X									
580-51321-1	1	P	10:29	X	X	X	X	X	X	X									
580-51321-1 DU	1	P	10:32	X	X	X	X	X	X	X									
580-51321-1 MS	1	P	10:36	X	X	X	X	X	X	X									
580-51321-1 MSD	1	P	10:38	X	X	X	X	X	X	X									
580-51321-1 PDS	1	P	10:41	X	X	X	X	X	X	X									
CCV 580-194943/29	1		10:44	X	X	X	X	X	X	X									
CCB 580-194943/30	1		10:47	X	X	X	X	X	X	X									
580-51321-2	1	P	10:50	X	X	X	X	X	X	X									
580-51321-3	1	P	10:54	X	X	X	X	X	X	X									
CCV 580-194943/33	1		10:57	X	X	X	X	X	X	X									
CCB 580-194943/34	1		11:00	X	X	X	X	X	X	X									
ZZZZZZ			11:03																
ZZZZZZ			11:06																
ZZZZZZ			11:09																
ZZZZZZ			11:12																
ZZZZZZ			11:14																
ZZZZZZ			11:18																
ZZZZZZ			11:22																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Instrument ID: TAC047 Method: 6010B

Start Date: 07/15/2015 09:17 End Date: 07/15/2015 11:41

Lab Sample ID	D / F	T y p e	Time	Analytes																
				A g	A s	B a	C d	C r	P b	S e										
ZZZZZZ			11:25																	
ZZZZZZ			11:28																	
ZZZZZZ			11:31																	
ZZZZZZ			11:34																	
CCV 580-194943/46			11:38																	
CCB 580-194943/47			11:41																	

Prep Types
P = TCLP
T = Total/NA

13-IN
 ANALYSIS RUN LOG
 METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Instrument ID: SEA044 Method: 6020

Start Date: 07/09/2015 12:01 End Date: 07/10/2015 01:29

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A	S														
ICIS 580-194520/1			12:01	X															
IC 580-194520/2	1		12:08	X															
IC 580-194520/3	1		12:14	X															
IC 580-194520/4	1		12:21	X															
IC 580-194520/5	1		12:28	X															
IC 580-194520/6	1		12:35	X															
ICV 580-194520/7	1		12:42	X															
ICB 580-194520/8	1		12:48	X															
CRI 580-194520/9	1		12:55	X															
ICSA 580-194520/10	1		13:02	X															
ICSAB 580-194520/11	1		13:09	X															
CCV 580-194520/12			14:30																
CCB 580-194520/13			14:36																
CCVL 580-194520/14			14:43																
ZZZZZZ			14:50																
ZZZZZZ			14:57																
ZZZZZZ			15:04																
ZZZZZZ			15:10																
ZZZZZZ			15:17																
ZZZZZZ			15:24																
ZZZZZZ			15:31																
ZZZZZZ			15:38																
ZZZZZZ			15:44																
ZZZZZZ			15:51																
CCV 580-194520/25			15:58																
CCB 580-194520/26			16:05																
CCVL 580-194520/27			16:12																
ZZZZZZ			16:19																
ZZZZZZ			16:25																
ZZZZZZ			16:32																
ZZZZZZ			16:39																
ZZZZZZ			16:46																
ZZZZZZ			16:52																
ZZZZZZ			16:59																
ZZZZZZ			17:06																
ZZZZZZ			17:13																
CCV 580-194520/37			17:26																
CCB 580-194520/38			17:33																
CCVL 580-194520/39			17:40																
ZZZZZZ			17:47																
ZZZZZZ			17:53																
ZZZZZZ			18:00																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Instrument ID: SEA044 Method: 6020

Start Date: 07/09/2015 12:01 End Date: 07/10/2015 01:29

Lab Sample ID	D / F	Type	Time	Analytes															
				A	S														
ZZZZZZ			18:07																
ZZZZZZ			18:14																
CCV 580-194520/45			18:28																
CCB 580-194520/46			18:34																
CCVL 580-194520/47			18:41																
ZZZZZZ			18:48																
ZZZZZZ			18:55																
ZZZZZZ			19:02																
ZZZZZZ			19:09																
ZZZZZZ			19:15																
ZZZZZZ			19:22																
ZZZZZZ			19:29																
ZZZZZZ			19:36																
ZZZZZZ			19:42																
ZZZZZZ			19:49																
CCV 580-194520/58			19:56																
CCB 580-194520/59			20:03																
CCVL 580-194520/60			20:10																
ZZZZZZ			20:17																
ZZZZZZ			20:23																
ZZZZZZ			20:30																
ZZZZZZ			20:37																
ZZZZZZ			20:44																
ZZZZZZ			20:51																
ZZZZZZ			20:57																
ZZZZZZ			21:04																
ZZZZZZ			21:11																
CCV 580-194520/70	1		21:24	X															
CCB 580-194520/71	1		21:31	X															
CCVL 580-194520/72	1		21:38	X															
MB 580-194423/18-A	10	T	21:45	X															
LCS 580-194423/19-A	50	T	21:52	X															
LCSD 580-194423/20-A	50	T	21:58	X															
LCSSRM 580-194423/21-A	50	T	22:05	X															
ZZZZZZ			22:12																
ZZZZZZ			22:19																
ZZZZZZ			22:26																
ZZZZZZ			22:32																
ZZZZZZ			22:39																
ZZZZZZ			22:46																
CCV 580-194520/83	1		22:53	X															

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Instrument ID: SEA044 Method: 6020

Start Date: 07/09/2015 12:01 End Date: 07/10/2015 01:29

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A	S														
CCB 580-194520/84	1		23:00	X															
CCVL 580-194520/85	1		23:07	X															
ZZZZZZ			23:14																
ZZZZZZ			23:20																
ZZZZZZ			23:27																
ZZZZZZ			23:34																
ZZZZZZ			23:41																
ZZZZZZ			23:48																
580-51321-4	10	T	23:54	X															
580-51321-5	10	T	00:01	X															
580-51321-6	10	T	00:08	X															
CCV 580-194520/95	1		00:21	X															
CCB 580-194520/96	1		00:28	X															
CCVL 580-194520/97	1		00:35	X															
ZZZZZZ			00:42																
ZZZZZZ			00:49																
ZZZZZZ			00:56																
ZZZZZZ			01:02																
CCV 580-194520/102			01:16																
CCB 580-194520/103			01:23																
CCVL 580-194520/104			01:29																

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Instrument ID: TAC104 Method: 7470A

Start Date: 07/15/2015 08:26 End Date: 07/15/2015 11:55

Lab Sample ID	D / F	Type	Time	Analytes																
				H g																
STD 580-194954/1 IC			08:26	X																
STD 580-194954/2 IC			08:28	X																
STD 580-194954/3 IC			08:31	X																
STD 580-194954/4 IC			08:33	X																
STD 580-194954/5 IC			08:35	X																
STD 580-194954/6 IC			08:37	X																
ICV 580-194954/7	1		08:40	X																
ICB 580-194954/8	1		08:42	X																
CCV 580-194954/9			08:49																	
CCB 580-194954/10			08:52																	
ZZZZZZ			08:54																	
ZZZZZZ			08:56																	
ZZZZZZ			08:59																	
ZZZZZZ			09:01																	
ZZZZZZ			09:03																	
ZZZZZZ			09:06																	
ZZZZZZ			09:08																	
ZZZZZZ			09:11																	
ZZZZZZ			09:13																	
ZZZZZZ			09:15																	
CCV 580-194954/21			09:18																	
CCB 580-194954/22			09:20																	
ZZZZZZ			09:23																	
ZZZZZZ			09:25																	
ZZZZZZ			09:27																	
ZZZZZZ			09:30																	
ZZZZZZ			09:32																	
ZZZZZZ			09:35																	
ZZZZZZ			09:37																	
ZZZZZZ			09:39																	
ZZZZZZ			09:42																	
ZZZZZZ			09:44																	
CCV 580-194954/33			09:46																	
CCB 580-194954/34			09:49																	
ZZZZZZ			09:51																	
ZZZZZZ			09:54																	
ZZZZZZ			09:56																	
ZZZZZZ			09:58																	
CCV 580-194954/39			10:01																	
CCB 580-194954/40			10:03																	
ZZZZZZ			10:14																	
ZZZZZZ			10:16																	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Instrument ID: TAC104 Method: 7470A

Start Date: 07/15/2015 08:26 End Date: 07/15/2015 11:55

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
ZZZZZZ			10:19																		
ZZZZZZ			10:21																		
ZZZZZZ			10:23																		
ZZZZZZ			10:26																		
ZZZZZZ			10:28																		
ZZZZZZ			10:30																		
ZZZZZZ			10:33																		
ZZZZZZ			10:35																		
CCV 580-194954/51			10:38																		
CCB 580-194954/52			10:40																		
ZZZZZZ			10:42																		
ZZZZZZ			10:45																		
ZZZZZZ			10:47																		
ZZZZZZ			10:49																		
ZZZZZZ			10:52																		
ZZZZZZ			10:54																		
ZZZZZZ			10:56																		
ZZZZZZ			10:59																		
ZZZZZZ			11:01																		
ZZZZZZ			11:03																		
CCV 580-194954/63			11:06																		
CCB 580-194954/64			11:08																		
ZZZZZZ			11:10																		
ZZZZZZ			11:13																		
ZZZZZZ			11:15																		
ZZZZZZ			11:17																		
ZZZZZZ			11:20																		
ZZZZZZ			11:22																		
CCV 580-194954/71	1		11:24	X																	
CCB 580-194954/72	1		11:27	X																	
MB 580-194731/1-C	1	P	11:29	X																	
LCS 580-194731/2-C	1	P	11:31	X																	
LCSD 580-194731/3-C	1	P	11:34	X																	
LCSSRM 580-194815/10-A	1	T	11:36	X																	
580-51321-1	1	P	11:38	X																	
580-51321-1 DU	1	P	11:41	X																	
580-51321-1 MS	1	P	11:43	X																	
580-51321-1 MSD	1	P	11:45	X																	
580-51321-2	1	P	11:48	X																	
580-51321-3	1	P	11:50	X																	
CCV 580-194954/83	1		11:52	X																	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Instrument ID: TAC104 Method: 7470A

Start Date: 07/15/2015 08:26 End Date: 07/15/2015 11:55

Lab Sample ID	D / F	Type	Time	Analytes															
				Hg															
CCB 580-194954/84	1		11:55	X															

Prep Types

P = TCLP

T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

ICP-MS Instrument ID: SEA044 Start Date: 07/09/2015 End Date: 07/10/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element Rh-103	Q	Element Ho	Q
IC 580-194520/2	12:08	100		100		101		101		102	
IC 580-194520/3	12:14	99		99		101		99		100	
IC 580-194520/4	12:21	99		100		102		99		101	
IC 580-194520/5	12:28	98		101		101		98		100	
IC 580-194520/6	12:35	97		101		100		98		100	
ICV 580-194520/7	12:42	97		100		101		99		100	
ICB 580-194520/8	12:48	99		101		102		100		101	
CRI 580-194520/9	12:55	99		100		101		100		101	
ICSA 580-194520/10	13:02	94		99		99		91		97	
ICSAB 580-194520/11	13:09	96		101		100		93		97	
CCV 580-194520/70	21:24	92		96		98		95		105	
CCB 580-194520/71	21:31	93		95		98		97		104	
CCVL 580-194520/72	21:38	92		95		98		96		105	
MB 580-194423/18-A	21:45	93		94		98		96		105	
LCS 580-194423/19-A	21:52	92		94		97		96		106	
LCSD 580-194423/20-	21:58	93		94		98		96		106	
LCSSRM 580-194423/2	22:05	92		93		97		95		106	
CCV 580-194520/83	22:53	88		92		95		93		102	
CCB 580-194520/84	23:00	90		92		95		96		105	
CCVL 580-194520/85	23:07	91		92		95		95		106	
580-51321-4	23:54	90		91		93		92		105	
580-51321-5	00:01	91		91		94		93		106	
580-51321-6	00:08	91		90		94		92		106	
CCV 580-194520/95	00:21	86		89		92		91		103	
CCB 580-194520/96	00:28	90		90		94		93		103	
CCVL 580-194520/97	00:35	90		88		94		93		103	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

ICP-MS Instrument ID: SEA044 Start Date: 07/09/2015 End Date: 07/10/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
IC 580-194520/2	12:08	102									
IC 580-194520/3	12:14	100									
IC 580-194520/4	12:21	101									
IC 580-194520/5	12:28	99									
IC 580-194520/6	12:35	99									
ICV 580-194520/7	12:42	100									
ICB 580-194520/8	12:48	100									
CRI 580-194520/9	12:55	101									
ICSA 580-194520/10	13:02	93									
ICSAB 580-194520/11	13:09	94									
CCV 580-194520/70	21:24	105									
CCB 580-194520/71	21:31	106									
CCVL 580-194520/72	21:38	107									
MB 580-194423/18-A	21:45	107									
LCS 580-194423/19-A	21:52	108									
LCSD 580-194423/20-	21:58	107									
LCSSRM 580-194423/2	22:05	107									
CCV 580-194520/83	22:53	104									
CCB 580-194520/84	23:00	108									
CCVL 580-194520/85	23:07	109									
580-51321-4	23:54	107									
580-51321-5	00:01	109									
580-51321-6	00:08	108									
CCV 580-194520/95	00:21	104									
CCB 580-194520/96	00:28	106									
CCVL 580-194520/97	00:35	106									

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Batch Number: 194731 Batch Start Date: 07/13/15 19:35 Batch Analyst: Chan, Aaron L

Batch Method: 1311 Batch End Date: 07/14/15 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_SampleWeigh t	EFD_VolumeWater Add	EFD_InitialpH	EFD_SecondpHChe ck
MB 580-194731/1		1311, 3010A, 6010B		100 g	2000 mL			4.95 SU	
LCS 580-194731/2		1311, 3010A, 6010B		100 g	2000 mL			4.95 SU	
LCSD 580-194731/3		1311, 3010A, 6010B		100 g	2000 mL			4.95 SU	
580-51321-A-1	TCLP - 395 - A	1311, 3010A, 6010B	P	100.0 g	2000 mL	5.1 g	96.5 mL	5.99 SU	1.69 SU
580-51321-A-2	TCLP - 397 - A	1311, 3010A, 6010B	P	100.1 g	2000 mL	5.0 g	96.5 mL	6.29 SU	1.74 SU
580-51321-A-3	TCLP - 398 - A	1311, 3010A, 6010B	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.29 SU	1.73 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid			
MB 580-194731/1		1311, 3010A, 6010B		4.95 SU	100 %	1			
LCS 580-194731/2		1311, 3010A, 6010B		4.95 SU	100 %	1			
LCSD 580-194731/3		1311, 3010A, 6010B		4.95 SU	100 %	1			
580-51321-A-1	TCLP - 395 - A	1311, 3010A, 6010B	P	4.91 SU	100 %	1			
580-51321-A-2	TCLP - 397 - A	1311, 3010A, 6010B	P	4.90 SU	100 %	1			
580-51321-A-3	TCLP - 398 - A	1311, 3010A, 6010B	P	4.91 SU	100 %	1			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Batch Number: 194731 Batch Start Date: 07/13/15 19:35 Batch Analyst: Chan, Aaron L

Batch Method: 1311 Batch End Date: 07/14/15 13:00

Batch Notes	
1N Lot #	1493896
Balance ID	sea231
Bottle Lot Number	0129001x, 0427101v
pH Buffer 1 ID	1310882 (pH2)
pH Buffer 2 ID	135952 (pH7)
pH Buffer 3 ID	134095 (pH10)
pH Buffer 4 ID	1406B18 (pH7, 2nd source)
First End time	7/14/15@1200
Filter Lot #	9626946
Hot Plate ID	sp73235/50c/10min
pH Meter ID	3
Room Temperature Thermometer ID	122531678
First Start time	7/13/15@2000
TCLP Fluid 1 ID	1476384
TCLP Fluid 1 pH	4.95
TCLP Fluid 2 ID	1498755
TCLP Fluid 2 pH	2.90
Maximum Temperature	23.3 Degrees C
Minimum Temperature	22.2 Degrees C
ID number of the thermometer	64155
Tumbler Rotations per Minute	30
Uncorrected Maximum Temperature	23.4 Degrees C
Uncorrected Minimum Temperature	22.3 Degrees C

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Batch Number: 194813 Batch Start Date: 07/14/15 14:06 Batch Analyst: Boardway, Peter A

Batch Method: 3010A Batch End Date: 07/14/15 19:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	m-GPS-1 00037	m-GPS-2 00029	m-GPS-3 00031	m-GPS-4 00031
580-51321-A-1-A	TCLP - 395 - A	3010A, 6010B	P	50 mL	50 mL				
580-51321-A-1-A DU	TCLP - 395 - A	3010A, 6010B	P	50 mL	50 mL				
580-51321-A-1-A MS	TCLP - 395 - A	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-51321-A-1-A MSD	TCLP - 395 - A	3010A, 6010B	P	50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
580-51321-A-2-A	TCLP - 397 - A	3010A, 6010B	P	50 mL	50 mL				
580-51321-A-3-A	TCLP - 398 - A	3010A, 6010B	P	50 mL	50 mL				
MB 580-194731/1-A		3010A, 6010B		50 mL	50 mL				
LCS 580-194731/2-A		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCSD 580-194731/3-A		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL
LCSSRM 580-194813/12		3010A, 6010B		50 mL	50 mL	1 mL	1 mL	1 mL	1 mL

Batch Notes	
Lot # of hydrochloric acid	1414631
Lot # of Nitric Acid	1490405
Hot Block ID number	38009
Oven, Bath or Block Temperature 1	94.6 CORRECTED-TEMP Degrees C
Oven, Bath or Block Temperature 2	94.6 CORRECTED-TEMP Degrees C
Pipette ID	METALS-PREP-2
ID number of the thermometer	HB-01
Digestion Tube/Cup Lot #	1486542
Uncorrected Temperature	95 Celsius

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Batch Number: 194423 Batch Start Date: 07/09/15 12:40 Batch Analyst: Nijjar, Manjit K

Batch Method: 3050B Batch End Date: 07/09/15 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	m-GPS-1 00037	m-GPS-2 00029	m-GPS-3 00031
580-51321-A-4-A	395-A-07-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0416 g	50 mL			
580-51321-A-5-A	397-A-03-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0381 g	50 mL			
580-51321-A-6-A	398-A-05-B-1	3050B, 6020	T	CALC NOT SET TO RUN	1.0403 g	50 mL			
MB 580-194423/18		3050B, 6020		CALC NOT SET TO RUN	1.0 g	50 mL			
LCS 580-194423/19		3050B, 6020		CALC NOT SET TO RUN	1.0 g	50 mL	1 mL	1 mL	1 mL
LCSD 580-194423/20		3050B, 6020		CALC NOT SET TO RUN	1.0 g	50 mL	1 mL	1 mL	1 mL
LCSSRM 580-194423/21		3050B, 6020		CALC NOT SET TO RUN	0.5087 g	50 mL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	m-GPS-4 00031	SRMsolid 00010				
580-51321-A-4-A	395-A-07-B-1	3050B, 6020	T						
580-51321-A-5-A	397-A-03-B-1	3050B, 6020	T						
580-51321-A-6-A	398-A-05-B-1	3050B, 6020	T						
MB 580-194423/18		3050B, 6020							
LCS 580-194423/19		3050B, 6020		1 mL					
LCSD 580-194423/20		3050B, 6020		1 mL					
LCSSRM 580-194423/21		3050B, 6020			0.5087 g				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Batch Number: 194423 Batch Start Date: 07/09/15 12:40 Batch Analyst: Nijjar, Manjit K

Batch Method: 3050B Batch End Date: 07/09/15 14:00

Batch Notes	
Balance ID	SEA228
Hydrogen peroxide lot number	1324292
Lot # of hydrochloric acid	1446213
Logbook ID for diluted Nitric	1304262
Lot # of Nitric Acid	1472183
Hot Block ID number	41291
Oven, Bath or Block Temperature 1	92.6 Degrees C
Oven, Bath or Block Temperature 2	92.6 Degrees C
Pipette ID	METALS-PREP-2
ID number of the thermometer	HB-01
Digestion Tube/Cup Lot #	1486542
Uncorrected Temperature	93 Celsius
Uncorrected Temperature 2	93 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Batch Number: 194731 Batch Start Date: 07/13/15 19:35 Batch Analyst: Chan, Aaron L

Batch Method: 1311 Batch End Date: 07/14/15 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_SampleWeigh t	EFD_VolumeWater Add	EFD_InitialpH	EFD_SecondpHChe ck
MB 580-194731/1		1311, 7470A, 7470A		100 g	2000 mL			4.95 SU	
LCS 580-194731/2		1311, 7470A, 7470A		100 g	2000 mL			4.95 SU	
LCSD 580-194731/3		1311, 7470A, 7470A		100 g	2000 mL			4.95 SU	
580-51321-A-1	TCLP - 395 - A	1311, 7470A, 7470A	P	100.0 g	2000 mL	5.1 g	96.5 mL	5.99 SU	1.69 SU
580-51321-A-2	TCLP - 397 - A	1311, 7470A, 7470A	P	100.1 g	2000 mL	5.0 g	96.5 mL	6.29 SU	1.74 SU
580-51321-A-3	TCLP - 398 - A	1311, 7470A, 7470A	P	100.0 g	2000 mL	5.0 g	96.5 mL	6.29 SU	1.73 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	TCLP%Solids	ExtractFluid			
MB 580-194731/1		1311, 7470A, 7470A		4.95 SU	100 %	1			
LCS 580-194731/2		1311, 7470A, 7470A		4.95 SU	100 %	1			
LCSD 580-194731/3		1311, 7470A, 7470A		4.95 SU	100 %	1			
580-51321-A-1	TCLP - 395 - A	1311, 7470A, 7470A	P	4.91 SU	100 %	1			
580-51321-A-2	TCLP - 397 - A	1311, 7470A, 7470A	P	4.90 SU	100 %	1			
580-51321-A-3	TCLP - 398 - A	1311, 7470A, 7470A	P	4.91 SU	100 %	1			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Batch Number: 194731 Batch Start Date: 07/13/15 19:35 Batch Analyst: Chan, Aaron L

Batch Method: 1311 Batch End Date: 07/14/15 13:00

Batch Notes	
1N Lot #	1493896
Balance ID	sea231
Bottle Lot Number	0129001x, 0427101v
pH Buffer 1 ID	1310882 (pH2)
pH Buffer 2 ID	135952 (pH7)
pH Buffer 3 ID	134095 (pH10)
pH Buffer 4 ID	1406B18 (pH7, 2nd source)
First End time	7/14/15@1200
Filter Lot #	9626946
Hot Plate ID	sp73235/50c/10min
pH Meter ID	3
Room Temperature Thermometer ID	122531678
First Start time	7/13/15@2000
TCLP Fluid 1 ID	1476384
TCLP Fluid 1 pH	4.95
TCLP Fluid 2 ID	1498755
TCLP Fluid 2 pH	2.90
Maximum Temperature	23.3 Degrees C
Minimum Temperature	22.2 Degrees C
ID number of the thermometer	64155
Tumbler Rotations per Minute	30
Uncorrected Maximum Temperature	23.4 Degrees C
Uncorrected Minimum Temperature	22.3 Degrees C

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Batch Number: 194815 Batch Start Date: 07/14/15 14:12 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 07/14/15 16:05

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_CAL_WORK 00026			
580-51321-A-1-A	TCLP - 395 - A	7470A, 7470A	P	5 mL	50 mL				
580-51321-A-1-A DU	TCLP - 395 - A	7470A, 7470A	P	5 mL	50 mL				
580-51321-A-1-A MS	TCLP - 395 - A	7470A, 7470A	P	5 mL	50 mL	1 mL			
580-51321-A-1-A MSD	TCLP - 395 - A	7470A, 7470A	P	5 mL	50 mL	1 mL			
580-51321-A-2-A	TCLP - 397 - A	7470A, 7470A	P	5 mL	50 mL				
580-51321-A-3-A	TCLP - 398 - A	7470A, 7470A	P	5 mL	50 mL				
MB 580-194731/1-A		7470A, 7470A		5 mL	50 mL				
LCS 580-194731/2-A		7470A, 7470A		5 mL	50 mL	1 mL			
LCSD 580-194731/3-A		7470A, 7470A		5 mL	50 mL	1 mL			
LCSSRM 580-194815/10		7470A, 7470A		5 mL	50 mL	1 mL			

Batch Notes	
Hydroxylamine Hydrochloride Lot	1414591
Sulfuric Acid Lot Number	1292486
Lot # of Nitric Acid	1490405
Hot Block ID number	41291
Potassium Persulfate Lot Number	988268
Potassium Permanganate Lot Number	1499756
NaCl Lot #	979092
Oven, Bath or Block Temperature 1	93.6 CORRECTED-TEMP Celsius
Pipette ID	METALS-PREP-2
Stannous Chloride Lot Number	1414590
Temperature	93.6 CORRECTED-TEMP
ID number of the thermometer	HB-01
Digestion Tube/Cup Lot #	1486542
Uncorrected Temperature	94.0 Celsius

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Batch Number: 194815 Batch Start Date: 07/14/15 14:12 Batch Analyst: Boardway, Peter A

Batch Method: 7470A Batch End Date: 07/14/15 16:05

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-51321-1

SDG No.: _____

Project: EVPARKS

Client Sample ID	Lab Sample ID
<u>395-A-07-B-1</u>	<u>580-51321-4</u>
<u>397-A-03-B-1</u>	<u>580-51321-5</u>
<u>398-A-05-B-1</u>	<u>580-51321-6</u>

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-51321-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: D 2216 MDL Date: 12/31/2013 17:53

Analyte	Wavelength/ Mass	RL (%)	MDL (%)
Percent Moisture		0.1	0.1
Percent Solids		0.1	0.1

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Instrument ID: NOEQUIP Method: D 2216

Start Date: 07/07/2015 13:49 End Date: 07/07/2015 13:49

Lab Sample ID	D / F	T y p e	Time	Analytes															
				% S o l	M o i s t														
ZZZZZZ			13:49																
ZZZZZZ			13:49																
ZZZZZZ			13:49																
ZZZZZZ			13:49																
ZZZZZZ			13:49																
ZZZZZZ			13:49																
ZZZZZZ			13:49																
ZZZZZZ			13:49																
580-51321-4	1	T	13:49	X	X														
ZZZZZZ			13:49																
ZZZZZZ			13:49																
ZZZZZZ			13:49																
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ZZZZZZ			13:49																

Prep Types
T = Total/NA

13-IN
 ANALYSIS RUN LOG
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Instrument ID: NOEQUIP Method: D 2216

Start Date: 07/09/2015 08:09 End Date: 07/09/2015 09:30

Lab Sample ID	D / F	T y p e	Time	Analytes																					
				% S o l	M o i s t																				
ZZZZZZ			08:09																						
ZZZZZZ			08:09																						
ZZZZZZ			08:09																						
ZZZZZZ			08:09																						
ZZZZZZ			08:09																						
ZZZZZZ			08:09																						
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ZZZZZZ			08:09																						
ZZZZZZ			08:09																						
ZZZZZZ			08:09																						
580-51321-5	1	T	08:09	X	X																				
580-51321-6	1	T	08:09	X	X																				
ZZZZZZ			08:09																						
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Instrument ID: NOEQUIP Method: D 2216

Start Date: 07/09/2015 08:09 End Date: 07/09/2015 09:30

Lab Sample ID	D / F	Type	Time	Analytes																
				% S o l	M o i s t															
ZZZZZZ			08:09																	
ZZZZZZ			08:09																	
ZZZZZZ			08:09																	
ZZZZZZ			08:09																	
ZZZZZZ			08:09																	
ZZZZZZ			08:09																	
ZZZZZZ			08:09																	
ZZZZZZ			08:09																	
ZZZZZZ			08:09																	
ZZZZZZ			09:30																	

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Instrument ID: NOEQUIP Method: D 2216

Start Date: 07/09/2015 12:59 End Date: 07/09/2015 12:59

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				% S o l	M o i s t																		
ZZZZZZ			12:59																				
580-51321-5 DU	1	T	12:59	X	X																		
ZZZZZZ			12:59																				
ZZZZZZ			12:59																				
ZZZZZZ			12:59																				

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Batch Number: 194184 Batch Start Date: 07/07/15 13:49 Batch Analyst: Yao, Derrick G

Batch Method: D 2216 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-51321-A-4	395-A-07-B-1	D 2216	T	0.807 g	8.554 g	7.946 g			

Batch Notes	
Balance ID	SEA230 No Unit
Date samples were placed in the oven	07/07/2015
Oven Temp when samples are put in oven	112.2 Degrees C
Time samples were place in the oven	14:52
Oven ID	oven 2
ID number of the thermometer	15-041-5E
Uncorrected In Temperature	114 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Batch Number: 194354 Batch Start Date: 07/09/15 08:09 Batch Analyst: Tran, Carlyne T

Batch Method: D 2216 Batch End Date: 07/09/15 14:57

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-51321-A-5	397-A-03-B-1	D 2216	T	0.794 g	5.378 g	4.701 g			
580-51321-A-6	398-A-05-B-1	D 2216	T	0.811 g	5.384 g	4.708 g			

Batch Notes	
Balance ID	SEA230 No Unit
Date samples were placed in the oven	07/09/15
Oven Temp when samples are put in oven	115.2 Degrees C
Time samples were place in the oven	9:16
Date samples were removed from oven	7/09/15
Oven Temp when samples removed from oven	112.2 Degrees C
Time Samples were removed from oven	14:42
Oven ID	Oven 2
ID number of the thermometer	15-041-5E
Uncorrected In Temperature	117 Celsius
Uncorrected Out Temperature	114 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-51321-1

SDG No.: _____

Batch Number: 194439 Batch Start Date: 07/09/15 12:59 Batch Analyst: Nijjar, Manjit K

Batch Method: D 2216 Batch End Date: 07/10/15 08:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-51321-A-5	397-A-03-B-1	D 2216	T	0.7421 g	5.0928 g	4.4384 g			
580-51321-A-5 DU	397-A-03-B-1	D 2216	T	0.7605 g	5.0769 g	4.4362 g			
580-51321-A-6	398-A-05-B-1	D 2216	T	0.7517 g	5.1907 g	4.5340 g			

Batch Notes	
Balance ID	SEA228 No Unit
Date samples were placed in the oven	07/09/15
Oven Temp when samples are put in oven	106.2 Degrees C
Time samples were place in the oven	13:10
Date samples were removed from oven	07/10/15
Oven Temp when samples removed from oven	108.2 Degrees C
Time Samples were removed from oven	8:30
Oven ID	SEA304
ID number of the thermometer	6103-040-3
Uncorrected In Temperature	108 Celsius
Uncorrected Out Temperature	110 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

18912 North Creek Parkway, Suite 101 Bothell, Washington 98011
 425.485.5800 - FAX 425.485.5566

TEL :

Analysis/Tests

Shipping Information

Number of shipping containers: 6

Date Shipped: 6/30/15

Carrier: Test America

Waybill No.:

Comments

CHAIN OF CUSTODY RECORD

Project No.: 305057.00.000.04.10.000

Project Name: Everett Smelter Uplands- 2015 Mapping and Sampling

Project Location: Everett, WA

Sample Collectors: B. Donaldson, M. Gay

Client Name: Washington State Department of Ecology

Samples collected by Hand Auger:

Sample ID	Depth	Matrix	Date	Time	# of Containers
TCLP-395-A	0-12"	Soil	6/19/2015	1401	1
TCLP-397-A	0-12"	Soil	6/22/2015	1453	1
TCLP-398-A	0-12"	Soil	6/24/2015	1240	1
395-A-07-B-1	6-12"	Soil	6/19/2015	1136	1
397-A-03-B-1	6-12"	Soil	6/22/2015	1125	1
398-A-05-B-1	6-12"	Soil	6/24/2015	1006	1

Total Arsenic by ICP-MS
 TCLP (RCRA Metals)

Relinquished by:
 Signature: [Signature]
 Date/Time: 6/30/15 08:55
 Affiliation: Leidos

Received By:
 Signature: [Signature]
 Date/Time: 6/30/15 08:35
 Affiliation: T.A.S.E.H.

Relinquished by:
 Signature: _____
 Date/Time: _____
 Affiliation: _____

Received By:
 Signature: _____
 Date/Time: _____
 Affiliation: _____



580-51321 Chain of Custody

IR2
 Eoater/4B Dig @R cor 24,4unc 24,1unc
 Cooler Dsc 5.1kg @Lab 105
 Wet/Packs Packing Bobh 1x
 w/c 5 lb

Login Sample Receipt Checklist

Client: Leidos, Inc.

Job Number: 580-51321-1

Login Number: 51321
List Number: 1
Creator: Rivers, Zachary V

List Source: TestAmerica Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	False	24.4C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 27, 2021

John Bingham
Hart Crowser, Inc.
A Division of Haley & Aldrich, Inc.
3131 Elliott Avenue, Suite 600
Seattle, WA 98121

Re: Analytical Data for Project 1950019
Laboratory Reference No. 2109-122

Dear John:

Enclosed are the analytical results and associated quality control data for samples submitted on September 14, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 27, 2021
Samples Submitted: September 14, 2021
Laboratory Reference: 2109-122
Project: 1950019

Case Narrative

Samples were collected on August 17, 18, 19, 20, 23, 24, 25, 26, 27, 30, and September 1, 2021 and received by the laboratory on September 14, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: September 27, 2021
 Samples Submitted: September 14, 2021
 Laboratory Reference: 2109-122
 Project: 1950019

**TOTAL METALS
 EPA 6010D**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	355-A-02-A					
Laboratory ID:	09-122-01					
Arsenic	16	11	EPA 6010D	9-21-21	9-22-21	
Lead	150	5.6	EPA 6010D	9-21-21	9-22-21	

Client ID:	355-A-02-B					
Laboratory ID:	09-122-02					
Arsenic	24	11	EPA 6010D	9-21-21	9-22-21	
Lead	210	5.5	EPA 6010D	9-21-21	9-22-21	

Client ID:	355-A-02-A-DUP					
Laboratory ID:	09-122-03					
Arsenic	16	11	EPA 6010D	9-21-21	9-22-21	
Lead	160	5.7	EPA 6010D	9-21-21	9-22-21	

Client ID:	355-A-03-A					
Laboratory ID:	09-122-04					
Arsenic	24	12	EPA 6010D	9-21-21	9-22-21	
Lead	70	5.9	EPA 6010D	9-21-21	9-22-21	

Client ID:	355-A-03-B					
Laboratory ID:	09-122-05					
Arsenic	47	11	EPA 6010D	9-21-21	9-22-21	
Lead	100	5.5	EPA 6010D	9-21-21	9-22-21	

Client ID:	355-A-04-A					
Laboratory ID:	09-122-06					
Arsenic	36	12	EPA 6010D	9-21-21	9-22-21	
Lead	83	5.8	EPA 6010D	9-21-21	9-22-21	

Client ID:	355-A-04-B					
Laboratory ID:	09-122-07					
Arsenic	41	11	EPA 6010D	9-21-21	9-22-21	
Lead	81	5.6	EPA 6010D	9-21-21	9-22-21	



Date of Report: September 27, 2021
 Samples Submitted: September 14, 2021
 Laboratory Reference: 2109-122
 Project: 1950019

**TOTAL METALS
 EPA 6010D**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	355-A-05-A					
Laboratory ID:	09-122-08					
Arsenic	28	11	EPA 6010D	9-21-21	9-22-21	
Lead	95	5.5	EPA 6010D	9-21-21	9-22-21	
Client ID:	355-A-05-B					
Laboratory ID:	09-122-09					
Arsenic	24	11	EPA 6010D	9-21-21	9-22-21	
Lead	60	5.7	EPA 6010D	9-21-21	9-22-21	
Client ID:	355-A-05-C					
Laboratory ID:	09-122-10					
Arsenic	61	11	EPA 6010D	9-21-21	9-22-21	
Lead	140	5.4	EPA 6010D	9-21-21	9-22-21	
Client ID:	333-A-05-A					
Laboratory ID:	09-122-31					
Arsenic	27	12	EPA 6010D	9-21-21	9-22-21	
Lead	50	6.1	EPA 6010D	9-21-21	9-22-21	
Client ID:	443C-4-05-B					
Laboratory ID:	09-122-35					
Arsenic	ND	11	EPA 6010D	9-21-21	9-22-21	
Lead	170	5.4	EPA 6010D	9-21-21	9-22-21	
Client ID:	443C-A-05-C					
Laboratory ID:	09-122-36					
Arsenic	17	11	EPA 6010D	9-21-21	9-22-21	
Lead	370	5.5	EPA 6010D	9-21-21	9-22-21	
Client ID:	443D-A-03-A					
Laboratory ID:	09-122-37					
Arsenic	18	11	EPA 6010D	9-21-21	9-22-21	
Lead	45	5.6	EPA 6010D	9-21-21	9-22-21	



Date of Report: September 27, 2021
 Samples Submitted: September 14, 2021
 Laboratory Reference: 2109-122
 Project: 1950019

**TOTAL METALS
 EPA 6010D**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	434-A-02-A					
Laboratory ID:	09-122-38					
Arsenic	38	11	EPA 6010D	9-22-21	9-23-21	
Lead	260	5.4	EPA 6010D	9-22-21	9-23-21	
Client ID:	434-A-02-B					
Laboratory ID:	09-122-39					
Arsenic	19	11	EPA 6010D	9-22-21	9-23-21	
Lead	75	5.4	EPA 6010D	9-22-21	9-23-21	
Client ID:	434-A-03-B					
Laboratory ID:	09-122-40					
Arsenic	23	11	EPA 6010D	9-22-21	9-23-21	
Lead	130	5.4	EPA 6010D	9-22-21	9-23-21	
Client ID:	434-A-04-A					
Laboratory ID:	09-122-41					
Arsenic	20	11	EPA 6010D	9-22-21	9-23-21	
Lead	68	5.3	EPA 6010D	9-22-21	9-23-21	
Client ID:	434-A-04-A-DUP					
Laboratory ID:	09-122-42					
Arsenic	20	11	EPA 6010D	9-22-21	9-23-21	
Lead	69	5.5	EPA 6010D	9-22-21	9-23-21	
Client ID:	434-A-04-B					
Laboratory ID:	09-122-43					
Arsenic	27	11	EPA 6010D	9-21-21	9-23-21	
Lead	56	5.4	EPA 6010D	9-21-21	9-23-21	
Client ID:	434-A-05-A					
Laboratory ID:	09-122-44					
Arsenic	23	11	EPA 6010D	9-21-21	9-23-21	
Lead	83	5.4	EPA 6010D	9-21-21	9-23-21	



Date of Report: September 27, 2021
 Samples Submitted: September 14, 2021
 Laboratory Reference: 2109-122
 Project: 1950019

**TOTAL METALS
 EPA 6010D**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	434-A-06-A					
Laboratory ID:	09-122-45					
Arsenic	24	11	EPA 6010D	9-21-21	9-23-21	
Lead	76	5.4	EPA 6010D	9-21-21	9-23-21	
Client ID:	434-A-06-B					
Laboratory ID:	09-122-46					
Arsenic	28	11	EPA 6010D	9-21-21	9-23-21	
Lead	19	5.4	EPA 6010D	9-21-21	9-23-21	
Client ID:	434-A-07-A					
Laboratory ID:	09-122-47					
Arsenic	13	11	EPA 6010D	9-21-21	9-23-21	
Lead	55	5.4	EPA 6010D	9-21-21	9-23-21	
Client ID:	435-A-02-B					
Laboratory ID:	09-122-48					
Arsenic	22	11	EPA 6010D	9-21-21	9-23-21	
Lead	91	5.4	EPA 6010D	9-21-21	9-23-21	
Client ID:	435-A-03-A					
Laboratory ID:	09-122-49					
Arsenic	21	11	EPA 6010D	9-21-21	9-23-21	
Lead	110	5.4	EPA 6010D	9-21-21	9-23-21	
Client ID:	435-A-3-B					
Laboratory ID:	09-122-50					
Arsenic	25	11	EPA 6010D	9-21-21	9-23-21	
Lead	120	5.6	EPA 6010D	9-21-21	9-23-21	
Client ID:	435-A-04-A					
Laboratory ID:	09-122-51					
Arsenic	23	11	EPA 6010D	9-21-21	9-23-21	
Lead	98	5.4	EPA 6010D	9-21-21	9-23-21	



Date of Report: September 27, 2021
 Samples Submitted: September 14, 2021
 Laboratory Reference: 2109-122
 Project: 1950019

**TOTAL METALS
 EPA 6010D**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	435-A-05-A					
Laboratory ID:	09-122-52					
Arsenic	27	11	EPA 6010D	9-21-21	9-23-21	
Lead	73	5.6	EPA 6010D	9-21-21	9-23-21	
Client ID:	435-A-05-B					
Laboratory ID:	09-122-53					
Arsenic	51	11	EPA 6010D	9-21-21	9-23-21	
Lead	94	5.6	EPA 6010D	9-21-21	9-23-21	
Client ID:	435-A-06-A					
Laboratory ID:	09-122-54					
Arsenic	24	11	EPA 6010D	9-21-21	9-23-21	
Lead	82	5.5	EPA 6010D	9-21-21	9-23-21	
Client ID:	435-A-06-B					
Laboratory ID:	09-122-55					
Arsenic	20	11	EPA 6010D	9-21-21	9-23-21	
Lead	55	5.6	EPA 6010D	9-21-21	9-23-21	
Client ID:	460-A-01-A					
Laboratory ID:	09-122-56					
Arsenic	32	11	EPA 6010D	9-21-21	9-23-21	
Lead	320	5.5	EPA 6010D	9-21-21	9-23-21	
Client ID:	460-A-01-B					
Laboratory ID:	09-122-57					
Arsenic	15	11	EPA 6010D	9-21-21	9-23-21	
Lead	120	5.4	EPA 6010D	9-21-21	9-23-21	
Client ID:	460-A-02-A					
Laboratory ID:	09-122-58					
Arsenic	21	11	EPA 6010D	9-21-21	9-23-21	
Lead	110	5.4	EPA 6010D	9-21-21	9-23-21	



Date of Report: September 27, 2021
 Samples Submitted: September 14, 2021
 Laboratory Reference: 2109-122
 Project: 1950019

**TOTAL METALS
 EPA 6010D**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	460-A-02-B					
Laboratory ID:	09-122-59					
Arsenic	44	11	EPA 6010D	9-21-21	9-23-21	
Lead	86	5.4	EPA 6010D	9-21-21	9-23-21	

Client ID:	460-A-03-A					
Laboratory ID:	09-122-60					
Arsenic	48	11	EPA 6010D	9-21-21	9-23-21	
Lead	100	5.5	EPA 6010D	9-21-21	9-23-21	

Client ID:	460-A-03-A-DUP					
Laboratory ID:	09-122-61					
Arsenic	36	11	EPA 6010D	9-21-21	9-23-21	
Lead	88	5.3	EPA 6010D	9-21-21	9-23-21	

Client ID:	460-A-03-B					
Laboratory ID:	09-122-62					
Arsenic	33	11	EPA 6010D	9-22-21	9-22-21	
Lead	200	5.4	EPA 6010D	9-22-21	9-22-21	

Client ID:	460-A-04-A					
Laboratory ID:	09-122-63					
Arsenic	74	11	EPA 6010D	9-22-21	9-22-21	
Lead	880	5.5	EPA 6010D	9-22-21	9-22-21	

Client ID:	460-A-04-B					
Laboratory ID:	09-122-64					
Arsenic	27	11	EPA 6010D	9-22-21	9-23-21	
Lead	150	5.3	EPA 6010D	9-22-21	9-23-21	

Client ID:	460-A-05-A					
Laboratory ID:	09-122-65					
Arsenic	60	11	EPA 6010D	9-22-21	9-23-21	
Lead	320	5.5	EPA 6010D	9-22-21	9-23-21	



Date of Report: September 27, 2021
 Samples Submitted: September 14, 2021
 Laboratory Reference: 2109-122
 Project: 1950019

TOTAL METALS
EPA 6010D

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	460-A-05-B					
Laboratory ID:	09-122-66					
Arsenic	75	11	EPA 6010D	9-22-21	9-23-21	
Lead	500	5.5	EPA 6010D	9-22-21	9-23-21	
Client ID:	460-A-06-A					
Laboratory ID:	09-122-67					
Arsenic	48	11	EPA 6010D	9-22-21	9-23-21	
Lead	350	5.4	EPA 6010D	9-22-21	9-23-21	
Client ID:	460-A-06-B					
Laboratory ID:	09-122-68					
Arsenic	32	11	EPA 6010D	9-22-21	9-23-21	
Lead	360	5.5	EPA 6010D	9-22-21	9-23-21	
Client ID:	460-A-07-A					
Laboratory ID:	09-122-69					
Arsenic	54	11	EPA 6010D	9-22-21	9-23-21	
Lead	470	5.4	EPA 6010D	9-22-21	9-23-21	
Client ID:	460-A-07-B					
Laboratory ID:	09-122-70					
Arsenic	35	11	EPA 6010D	9-22-21	9-23-21	
Lead	240	5.4	EPA 6010D	9-22-21	9-23-21	
Client ID:	460-A-08-B					
Laboratory ID:	09-122-71					
Arsenic	32	11	EPA 6010D	9-22-21	9-23-21	
Lead	150	5.6	EPA 6010D	9-22-21	9-23-21	
Client ID:	460-A-08-8					
Laboratory ID:	09-122-72					
Arsenic	18	11	EPA 6010D	9-22-21	9-23-21	
Lead	78	5.3	EPA 6010D	9-22-21	9-23-21	



Date of Report: September 27, 2021
 Samples Submitted: September 14, 2021
 Laboratory Reference: 2109-122
 Project: 1950019

**TOTAL METALS
 EPA 6010D**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	502-A-01-C					
Laboratory ID:	09-122-74					
Arsenic	11	11	EPA 6010D	9-22-21	9-23-21	
Lead	100	5.3	EPA 6010D	9-22-21	9-23-21	
Client ID:	497-A-04-B					
Laboratory ID:	09-122-75					
Arsenic	ND	11	EPA 6010D	9-22-21	9-23-21	
Lead	33	5.6	EPA 6010D	9-22-21	9-23-21	
Client ID:	468-A-01-A					
Laboratory ID:	09-122-76					
Arsenic	33	11	EPA 6010D	9-22-21	9-23-21	
Lead	300	5.3	EPA 6010D	9-22-21	9-23-21	
Client ID:	468-A-01-B					
Laboratory ID:	09-122-77					
Arsenic	34	11	EPA 6010D	9-22-21	9-23-21	
Lead	360	5.3	EPA 6010D	9-22-21	9-23-21	
Client ID:	468-A-02-A					
Laboratory ID:	09-122-78					
Arsenic	37	10	EPA 6010D	9-22-21	9-23-21	
Lead	260	5.2	EPA 6010D	9-22-21	9-23-21	
Client ID:	468-A-03-A					
Laboratory ID:	09-122-79					
Arsenic	24	11	EPA 6010D	9-22-21	9-23-21	
Lead	230	5.7	EPA 6010D	9-22-21	9-23-21	
Client ID:	468-A-03-B					
Laboratory ID:	09-122-80					
Arsenic	25	12	EPA 6010D	9-22-21	9-23-21	
Lead	270	5.8	EPA 6010D	9-22-21	9-23-21	



Date of Report: September 27, 2021
 Samples Submitted: September 14, 2021
 Laboratory Reference: 2109-122
 Project: 1950019

**TOTAL METALS
 EPA 6010D**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	468-A-04-B					
Laboratory ID:	09-122-81					
Arsenic	21	11	EPA 6010D	9-22-21	9-23-21	
Lead	120	5.4	EPA 6010D	9-22-21	9-23-21	

Client ID:	468-A-04-B-DUP					
Laboratory ID:	09-122-82					
Arsenic	16	11	EPA 6010D	9-22-21	9-23-21	
Lead	97	5.5	EPA 6010D	9-22-21	9-23-21	

Client ID:	468-A-05-A					
Laboratory ID:	09-122-83					
Arsenic	29	11	EPA 6010D	9-22-21	9-23-21	
Lead	450	5.4	EPA 6010D	9-22-21	9-23-21	

Client ID:	468-A-05-B					
Laboratory ID:	09-122-84					
Arsenic	39	11	EPA 6010D	9-22-21	9-23-21	
Lead	670	5.5	EPA 6010D	9-22-21	9-23-21	

Client ID:	470-A-04-B					
Laboratory ID:	09-122-85					
Arsenic	27	10	EPA 6010D	9-22-21	9-23-21	
Lead	27	5.1	EPA 6010D	9-22-21	9-23-21	

Client ID:	470-A-05-B					
Laboratory ID:	09-122-86					
Arsenic	ND	11	EPA 6010D	9-22-21	9-23-21	
Lead	500	5.7	EPA 6010D	9-22-21	9-23-21	

Client ID:	470-A-05-A					
Laboratory ID:	09-122-87					
Arsenic	19	12	EPA 6010D	9-22-21	9-23-21	
Lead	280	5.8	EPA 6010D	9-22-21	9-23-21	



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**TOTAL METALS
 EPA 6010D**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	111-A-01-A					
Laboratory ID:	09-122-88					
Arsenic	22	11	EPA 6010D	9-22-21	9-23-21	
Lead	16	5.5	EPA 6010D	9-22-21	9-23-21	
Client ID:	111-A-03-A					
Laboratory ID:	09-122-89					
Arsenic	31	11	EPA 6010D	9-22-21	9-23-21	
Lead	5.8	5.5	EPA 6010D	9-22-21	9-23-21	
Client ID:	111-A-05-A					
Laboratory ID:	09-122-90					
Arsenic	28	11	EPA 6010D	9-22-21	9-23-21	
Lead	13	5.4	EPA 6010D	9-22-21	9-23-21	
Client ID:	488-A-03-C					
Laboratory ID:	09-122-91					
Arsenic	16	11	EPA 6010D	9-22-21	9-23-21	
Lead	170	5.4	EPA 6010D	9-22-21	9-23-21	
Client ID:	488-A-04-B					
Laboratory ID:	09-122-92					
Arsenic	15	11	EPA 6010D	9-22-21	9-23-21	
Lead	230	5.4	EPA 6010D	9-22-21	9-23-21	
Client ID:	488-A-05-A					
Laboratory ID:	09-122-93					
Arsenic	22	11	EPA 6010D	9-22-21	9-23-21	
Lead	140	5.5	EPA 6010D	9-22-21	9-23-21	
Client ID:	488-A-05-B					
Laboratory ID:	09-122-94					
Arsenic	40	11	EPA 6010D	9-22-21	9-23-21	
Lead	190	5.5	EPA 6010D	9-22-21	9-23-21	



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**TOTAL METALS
 EPA 6010D**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	491-A-01-A					
Laboratory ID:	09-122-97					
Arsenic	19	11	EPA 6010D	9-22-21	9-23-21	
Lead	150	5.4	EPA 6010D	9-22-21	9-23-21	

Client ID:	491-A-01-B					
Laboratory ID:	09-122-98					
Arsenic	23	11	EPA 6010D	9-22-21	9-23-21	
Lead	170	5.5	EPA 6010D	9-22-21	9-23-21	

Client ID:	591-A-01-D					
Laboratory ID:	09-122-99					
Arsenic	30	11	EPA 6010D	9-22-21	9-23-21	
Lead	730	5.5	EPA 6010D	9-22-21	9-23-21	

Client ID:	591-B-03-D					
Laboratory ID:	09-122-100					
Arsenic	13	11	EPA 6010D	9-22-21	9-23-21	
Lead	240	5.4	EPA 6010D	9-22-21	9-23-21	

Client ID:	605-A-02-A					
Laboratory ID:	09-122-101					
Arsenic	29	11	EPA 6010D	9-22-21	9-23-21	
Lead	390	5.7	EPA 6010D	9-22-21	9-23-21	

Client ID:	605-A-01-B					
Laboratory ID:	09-122-102					
Arsenic	19	11	EPA 6010D	9-22-21	9-23-21	
Lead	190	5.4	EPA 6010D	9-22-21	9-23-21	

Client ID:	605-A-03-A					
Laboratory ID:	09-122-103					
Arsenic	33	11	EPA 6010D	9-22-21	9-23-21	
Lead	300	5.5	EPA 6010D	9-22-21	9-23-21	



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**TOTAL METALS
 EPA 6010D**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	605-A-03-A DUP					
Laboratory ID:	09-122-104					
Arsenic	28	11	EPA 6010D	9-22-21	9-23-21	
Lead	260	5.5	EPA 6010D	9-22-21	9-23-21	
Client ID:	605-A-03-B					
Laboratory ID:	09-122-105					
Arsenic	35	11	EPA 6010D	9-22-21	9-23-21	
Lead	220	5.6	EPA 6010D	9-22-21	9-23-21	
Client ID:	605-A-04-A					
Laboratory ID:	09-122-106					
Arsenic	35	11	EPA 6010D	9-22-21	9-23-21	
Lead	270	5.4	EPA 6010D	9-22-21	9-23-21	
Client ID:	605-A-04-B					
Laboratory ID:	09-122-107					
Arsenic	23	11	EPA 6010D	9-22-21	9-23-21	
Lead	170	5.3	EPA 6010D	9-22-21	9-23-21	
Client ID:	605-A-04-C					
Laboratory ID:	09-122-108					
Arsenic	18	11	EPA 6010D	9-22-21	9-23-21	
Lead	68	5.4	EPA 6010D	9-22-21	9-23-21	
Client ID:	605-A-05-A					
Laboratory ID:	09-122-109					
Arsenic	16	11	EPA 6010D	9-22-21	9-23-21	
Lead	160	5.4	EPA 6010D	9-22-21	9-23-21	
Client ID:	605-A-05-B					
Laboratory ID:	09-122-110					
Arsenic	19	11	EPA 6010D	9-22-21	9-23-21	
Lead	130	5.4	EPA 6010D	9-22-21	9-23-21	



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TOTAL METALS
EPA 6010D

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	599-A-02-A					
Laboratory ID:	09-122-111					
Arsenic	42	11	EPA 6010D	9-22-21	9-23-21	
Lead	670	5.4	EPA 6010D	9-22-21	9-23-21	
Client ID:	599-A-02-B					
Laboratory ID:	09-122-112					
Arsenic	32	12	EPA 6010D	9-22-21	9-23-21	
Lead	250	5.9	EPA 6010D	9-22-21	9-23-21	
Client ID:	599-A-03-A					
Laboratory ID:	09-122-113					
Arsenic	32	11	EPA 6010D	9-22-21	9-23-21	
Lead	290	5.7	EPA 6010D	9-22-21	9-23-21	
Client ID:	599-A-03-B					
Laboratory ID:	09-122-114					
Arsenic	19	11	EPA 6010D	9-22-21	9-23-21	
Lead	120	5.7	EPA 6010D	9-22-21	9-23-21	
Client ID:	599-A-04-A					
Laboratory ID:	09-122-115					
Arsenic	27	12	EPA 6010D	9-22-21	9-23-21	
Lead	250	5.8	EPA 6010D	9-22-21	9-23-21	
Client ID:	599-A-04-B					
Laboratory ID:	09-122-116					
Arsenic	21	11	EPA 6010D	9-22-21	9-23-21	
Lead	130	5.6	EPA 6010D	9-22-21	9-23-21	
Client ID:	599-A-04-D					
Laboratory ID:	09-122-117					
Arsenic	14	11	EPA 6010D	9-22-21	9-23-21	
Lead	170	5.5	EPA 6010D	9-22-21	9-23-21	



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**TOTAL METALS
 EPA 6010D**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	568-A-03-B					
Laboratory ID:	09-122-119					
Arsenic	ND	11	EPA 6010D	9-22-21	9-23-21	
Lead	65	5.4	EPA 6010D	9-22-21	9-23-21	

Client ID:	568-A-07-B					
Laboratory ID:	09-122-120					
Arsenic	18	11	EPA 6010D	9-22-21	9-23-21	
Lead	610	5.6	EPA 6010D	9-22-21	9-23-21	

Client ID:	568-A-06-B					
Laboratory ID:	09-122-121					
Arsenic	20	11	EPA 6010D	9-22-21	9-23-21	
Lead	470	5.5	EPA 6010D	9-22-21	9-23-21	

Client ID:	562-A-02-A					
Laboratory ID:	09-122-122					
Arsenic	15	13	EPA 6010D	9-22-21	9-23-21	
Lead	57	6.4	EPA 6010D	9-22-21	9-23-21	

Client ID:	385-A-03-B					
Laboratory ID:	09-122-123					
Arsenic	28	11	EPA 6010D	9-22-21	9-24-21	
Lead	52	5.4	EPA 6010D	9-22-21	9-24-21	

Client ID:	599-A-03-A-redo					
Laboratory ID:	09-122-124					
Arsenic	29	11	EPA 6010D	9-22-21	9-24-21	
Lead	340	5.5	EPA 6010D	9-22-21	9-24-21	

Client ID:	568-A-02-B					
Laboratory ID:	09-122-125					
Arsenic	28	11	EPA 6010D	9-22-21	9-24-21	
Lead	510	5.4	EPA 6010D	9-22-21	9-24-21	



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**TOTAL METALS
 EPA 6010D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0922SM1					
Arsenic	ND	10	EPA 6010D	9-22-21	9-22-21	
Lead	ND	5.0	EPA 6010D	9-22-21	9-22-21	
Laboratory ID:	MB0922SM2					
Arsenic	ND	10	EPA 6010D	9-22-21	9-23-21	
Lead	ND	5.0	EPA 6010D	9-22-21	9-23-21	
Laboratory ID:	MB0922SM3					
Arsenic	ND	10	EPA 6010D	9-22-21	9-23-21	
Lead	ND	5.0	EPA 6010D	9-22-21	9-23-21	
Laboratory ID:	MB0922SM4					
Arsenic	ND	10	EPA 6010D	9-22-21	9-23-21	
Lead	ND	5.0	EPA 6010D	9-22-21	9-23-21	
Laboratory ID:	MB0921SM1					
Arsenic	ND	10	EPA 6010D	9-21-21	9-22-21	
Lead	ND	5.0	EPA 6010D	9-21-21	9-22-21	
Laboratory ID:	MB0921SM2					
Arsenic	ND	10	EPA 6010D	9-21-21	9-23-21	
Lead	ND	5.0	EPA 6010D	9-21-21	9-23-21	



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**TOTAL METALS
 EPA 6010D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	09-233-01							
	ORIG	DUP						
Arsenic	ND	ND	NA	NA	NA	NA	NA	20
Lead	ND	5.45	NA	NA	NA	NA	NA	20
Laboratory ID:	09-122-01							
	ORIG	DUP						
Arsenic	13.9	12.7	NA	NA	NA	NA	9	20
Lead	130	124	NA	NA	NA	NA	5	20
Laboratory ID:	09-122-43							
	ORIG	DUP						
Arsenic	25.4	23.5	NA	NA	NA	NA	8	20
Lead	52.1	46.4	NA	NA	NA	NA	12	20
Laboratory ID:	09-122-62							
	ORIG	DUP						
Arsenic	30.7	29.8	NA	NA	NA	NA	3	20
Lead	181	181	NA	NA	NA	NA	0	20
Laboratory ID:	09-122-82							
	ORIG	DUP						
Arsenic	14.4	18.3	NA	NA	NA	NA	24	20
Lead	88.5	121	NA	NA	NA	NA	31	20
Laboratory ID:	09-122-103							
	ORIG	DUP						
Arsenic	30.4	27.8	NA	NA	NA	NA	9	20
Lead	272	248	NA	NA	NA	NA	9	20



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**TOTAL METALS
 EPA 6010D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
					Result	Recovery	Limits	RPD	Limit	
MATRIX SPIKES										
Laboratory ID: 09-233-01										
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	93.8	93.0	100	100	ND	94	93	75-125	1	20
Lead	232	229	250	250	ND	93	92	75-125	1	20
Laboratory ID: 09-122-01										
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	107	106	100	100	13.9	93	92	75-125	1	20
Lead	388	364	250	250	130	103	94	75-125	6	20
Laboratory ID: 09-122-43										
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	107	119	100	100	25.4	82	93	75-125	10	20
Lead	260	289	250	250	52.1	83	95	75-125	11	20
Laboratory ID: 09-122-62										
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	123	124	100	100	30.7	92	93	75-125	1	20
Lead	442	434	250	250	181	105	101	75-125	2	20
Laboratory ID: 09-122-82										
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	101	108	100	100	14.4	86	93	75-125	7	20
Lead	307	339	250	250	88.5	87	100	75-125	10	20
Laboratory ID: 09-122-103										
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	127	129	100	100	30.4	97	98	75-125	1	20
Lead	516	511	250	250	272	98	96	75-125	1	20



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**TOTAL METALS
 EPA 6010D
 QUALITY CONTROL**

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	Flags
SPIKE BLANK						
Laboratory ID:	SB0922SM1					
Arsenic	95.8	100	N/A	96	80-120	
Lead	252	250	N/A	101	80-120	
Laboratory ID:	SB0922SM2					
Arsenic	94.2	100	N/A	94	80-120	
Lead	246	250	N/A	98	80-120	
Laboratory ID:	SB0922SM3					
Arsenic	99.9	100	N/A	100	80-120	
Lead	262	250	N/A	105	80-120	
Laboratory ID:	SB0922SM4					
Arsenic	104	100	N/A	104	80-120	
Lead	269	250	N/A	108	80-120	
Laboratory ID:	SB0921SM1					
Arsenic	98.0	100	N/A	98	80-120	
Lead	266	250	N/A	106	80-120	
Laboratory ID:	SB0921SM2					
Arsenic	89.4	100	N/A	89	80-120	
Lead	237	250	N/A	95	80-120	



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% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
355-A-02-A	09-122-01	11	9-21-21
355-A-02-B	09-122-02	8	9-21-21
355-A-02-A-DUP	09-122-03	12	9-21-21
355-A-03-A	09-122-04	15	9-21-21
355-A-03-B	09-122-05	9	9-21-21
355-A-04-A	09-122-06	13	9-21-21
355-A-04-B	09-122-07	10	9-21-21
355-A-05-A	09-122-08	9	9-21-21
355-A-05-B	09-122-09	12	9-21-21
355-A-05-C	09-122-10	7	9-21-21
333-A-05-A	09-122-31	18	9-21-21
443C-4-05-B	09-122-35	7	9-21-21
443C-A-05-C	09-122-36	10	9-21-21
443D-A-03-A	09-122-37	11	9-21-21
434-A-02-A	09-122-38	8	9-21-21
434-A-02-B	09-122-39	7	9-21-21
434-A-03-B	09-122-40	8	9-21-21
434-A-04-A	09-122-41	6	9-21-21
434-A-04-A-DUP	09-122-42	8	9-21-21
434-A-04-B	09-122-43	7	9-21-21
434-A-05-A	09-122-44	8	9-21-21
434-A-06-A	09-122-45	7	9-21-21
434-A-06-B	09-122-46	8	9-21-21
434-A-07-A	09-122-47	7	9-21-21
435-A-02-B	09-122-48	7	9-21-21
435-A-03-A	09-122-49	8	9-21-21
435-A-3-B	09-122-50	11	9-21-21



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% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
435-A-04-A	09-122-51	8	9-21-21
435-A-05-A	09-122-52	10	9-21-21
435-A-05-B	09-122-53	10	9-21-21
435-A-06-A	09-122-54	8	9-21-21
435-A-06-B	09-122-55	11	9-21-21
460-A-01-A	09-122-56	9	9-21-21
460-A-01-B	09-122-57	7	9-21-21
460-A-02-A	09-122-58	8	9-21-21
460-A-02-B	09-122-59	7	9-21-21
460-A-03-A	09-122-60	9	9-21-21
460-A-03-A-DUP	09-122-61	6	9-21-21
460-A-03-B	09-122-62	8	9-21-21
460-A-04-A	09-122-63	9	9-21-21
460-A-04-B	09-122-64	6	9-21-21
460-A-05-A	09-122-65	9	9-21-21
460-A-05-B	09-122-66	8	9-21-21
460-A-06-A	09-122-67	8	9-21-21
460-A-06-B	09-122-68	9	9-21-21
460-A-07-A	09-122-69	8	9-21-21
460-A-07-B	09-122-70	7	9-21-21
460-A-08-B	09-122-71	10	9-21-21
460-A-08-8	09-122-72	6	9-21-21
502-A-01-C	09-122-74	6	9-21-21
497-A-04-B	09-122-75	11	9-21-21
468-A-01-A	09-122-76	6	9-21-21
468-A-01-B	09-122-77	5	9-21-21
468-A-02-A	09-122-78	5	9-21-21



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% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
468-A-03-A	09-122-79	12	9-21-21
468-A-03-B	09-122-80	14	9-21-21
468-A-04-B	09-122-81	8	9-21-21
468-A-04-B-DUP	09-122-82	8	9-21-21
468-A-05-A	09-122-83	7	9-21-21
468-A-05-B	09-122-84	8	9-21-21
470-A-04-B	09-122-85	3	9-22-21
470-A-05-B	09-122-86	12	9-22-21
470-A-05-A	09-122-87	14	9-22-21
111-A-01-A	09-122-88	9	9-22-21
111-A-03-A	09-122-89	9	9-22-21
111-A-05-A	09-122-90	7	9-22-21
488-A-03-C	09-122-91	8	9-22-21
488-A-04-B	09-122-92	7	9-22-21
488-A-05-A	09-122-93	9	9-22-21
488-A-05-B	09-122-94	9	9-22-21
491-A-01-A	09-122-97	8	9-22-21
491-A-01-B	09-122-98	8	9-22-21
591-A-01-D	09-122-99	8	9-22-21
591-B-03-D	09-122-100	7	9-22-21
605-A-02-A	09-122-101	12	9-22-21
605-A-01-B	09-122-102	8	9-22-21
605-A-03-A	09-122-103	9	9-22-21
605-A-03-A DUP	09-122-104	9	9-22-21
605-A-03-B	09-122-105	10	9-22-21
605-A-04-A	09-122-106	8	9-22-21
605-A-04-B	09-122-107	6	9-22-21



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% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
605-A-04-C	09-122-108	7	9-22-21
605-A-05-A	09-122-109	7	9-22-21
605-A-05-B	09-122-110	8	9-22-21
599-A-02-A	09-122-111	7	9-22-21
599-A-02-B	09-122-112	16	9-22-21
599-A-03-A	09-122-113	12	9-22-21
599-A-03-B	09-122-114	12	9-22-21
599-A-04-A	09-122-115	14	9-22-21
599-A-04-B	09-122-116	11	9-22-21
599-A-04-D	09-122-117	10	9-22-21
568-A-03-B	09-122-119	7	9-22-21
568-A-07-B	09-122-120	10	9-22-21
568-A-06-B	09-122-121	9	9-22-21
562-A-02-A	09-122-122	21	9-22-21
385-A-03-B	09-122-123	8	9-22-21
599-A-03-A-redo	09-122-124	10	9-22-21
568-A-02-B	09-122-125	7	9-22-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





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Chain of Custody

Turnaround Request (in working days)

(Check One)

- Same Day 1 Day
- 2 Days 3 Days
- Standard (7 Days)
- _____ (other)

Laboratory Number: **09-122**

Company: **HC**

Project Number: **1950619**

Project Name: **Everett Smejar**

Project Manager: **John Bingham**

Sampled by: **C.O. AN**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	
1	355-A-02-A	8/17/21	1024	Soil	1	
2	355-A-02-B	8/17/21	1024	Soil	1	
3	355-A-02-A-DUP	8/17/21	1024	Soil	1	
4	355-A-03-A	8/17/21	1038	Soil	1	
5	355-A-03-B	8/17/21	1038	Soil	1	
6	355-A-04-A	8/17/21	1115	Soil	1	
7	355-A-04-B	8/17/21	1115	Soil	1	
8	355-A-05-A	8/17/21	1136	Soil	1	
9	355-A-05-B	8/17/21	1136	Soil	1	
10	355-A-05-C	8/17/21	1136	Soil	1	

Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260D	Halogenated Volatiles 8260D	EDB EPA 8011 (Waters Only)	Semivolatiles 8270E/SIM (with low-level PAHs)	PAHs 8270E/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270E/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Total Metals (As, Pb)	% Moisture
1																			
1																			
1																			
1																			
1																			
1																			
1																			
1																			
1																			
1																			

Signature	Company	Date	Time	Comments/Special Instructions
<i>M. Brodzinski</i>	Hart Cronson	9/14/21	12:00	
#17	Speedy & Son	9/14/21	12:50	
#17	Speedy & Son	9/14/21	6:58	
<i>[Signature]</i>	GOE	9/14/21	8:07	
Received				Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>
Relinquished				Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input checked="" type="checkbox"/>
Received				
Relinquished				
Reviewed/Date				



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Chain of Custody

Turnaround Request (in working days)
 (Check One)
 Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
 (other) _____

Laboratory Number: 09-122

Company: HLC
 Project Number: 1950019
 Project Name: Ernest Smith
 Project Manager:
 Sampled by: C.D. AN

Lab ID	Sample Identification	Date		Matrix	Number of Containers
		Sampled	Time Sampled		
11	355-A-06-A	8/7/21	11:55	Soil	1
12	355-A-06-B		11:55		1
13	355-A-07-A		12:15		1
14	355-A-07-B		12:15		1
15	355-A-08-A		12:30		1
16	355-A-08-B		12:30		1
17	385-A-04-A	8/18/21	8:30		1
18	385-A-04-B	8/18/21	8:30		1
19	385-A-01-A	8/18/21	8:55		1
20	385-A-01-B	8/18/21	8:55		1

Date	Time	Comments/Special Instructions
9/14/21	12:00	
9/14/21	12:50	
9/14/21	8:07	

Signature	Company	Date	Time	Comments/Special Instructions
<u>M. B. Smith</u>	<u>Hara Cronser</u>	<u>9/14/21</u>	<u>12:00</u>	
<u>[Signature]</u>	<u>Speedy Alpha</u>	<u>9/14/21</u>	<u>12:50</u>	
<u>[Signature]</u>	<u>Speedy Alpha</u>	<u>9/14/21</u>	<u>8:07</u>	

Data Package: Standard Level III Level IV
 Chromatograms with final report Electronic Data Deliverables (EDDs)



MA Onsite Environmental Inc.

Analytical Laboratory Testing Services
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Chain of Custody

Turnaround Request (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

(other) _____

Laboratory Number: 09-122

NWTPH-HCID
NWTPH-Gx/BTEX
NWTPH-Gx
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)
Volatiles 8260D
Halogenated Volatiles 8260D
EDB EPA 8011 (Waters Only)
Semivolatiles 8270E/SIM (with low-level PAHs)
PAHs 8270E/SIM (low-level)
PCBs 8082A
Organochlorine Pesticides 8081B
Organophosphorus Pesticides 8270E/SIM
Chlorinated Acid Herbicides 8151A
Total RCRA Metals
Total MTCA Metals
TCLP Metals
HEM (oil and grease) 1664A
% Moisture

Number of Containers

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	
					1	2
21	385-A-02-D	8/18	9:13	soil	1	1
22	385-A-02-D-DUP		9:13		1	1
23	385-A-05-A		9:45		1	1
24	385-A-05-B		9:45		1	1
25	385-A-06-A		10:00		1	1
26	385-A-06-B		10:00		1	1
27	333-A-01-A		11:25		1	1
28	333-A-02-A		11:40		1	1
28	333-A-02-B		11:45		1	1
30	333-A-05-B		12:20		1	1

Signature: *M. Prasad* Company: *Hart Crouser* Date: *9/14/21* Time: *12:50* Comments/Special Instructions:

Relinquished	Received	Relinquished	Received	Relinquished	Received	Reviewed/Date

Data Package: Standard Level III Level IV
Chromatograms with final report Electronic Data Deliverables (EDDs)



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Chain of Custody

Turnaround Request
(in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

(other) _____

Laboratory Number: **09-122**

Company: HL
 Project Number: 1950019
 Project Name: Everett Smelter
 Project Manager:
 Sampled by: C.O. A.N. VK

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	
31	333-A-05-A	4/16/21	12:20	soil	1	1
32	443A-A-04-A	8/19/21	10:04	"	1	1
33	615A-A-02-B		10:55	"	1	1
34	615A-A-05-D		10:40	"	1	1
35	443C-A-05-B		13:53	"	1	1
36	443C-A-05-C		13:53	"	1	1
37	443D-A-03-A		14:45	"	1	1
38	434-A-02-A	8/24/21	8:54	"	1	1
39	434-A-02-B		8:54	"	1	1
40	434-A-03-B		9:12	"	1	1

Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260D	Halogenated Volatiles 8260D	EDB EPA 8011 (Waters Only)	Semivolatiles 8270E/SIM (with low-level PAHs)	PAHs 8270E/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270E/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Total Metals (As, Pb)	% Moisture
1																		X	
1																		X	
1																		X	
1																		X	
1																		X	
1																		X	
1																		X	
1																		X	
1																		X	

Signature	Company	Date	Time	Comments/Special Instructions
<u>MR Probst</u>	<u>HVA Crowder</u>	<u>9/14/21</u>	<u>12:00</u>	
<u>#17</u>	<u>Speedy Alpha</u>	<u>9/14/21</u>	<u>12:50</u>	
<u>#17</u>	<u>Speedy Alpha</u>	<u>9/14/21</u>	<u>6:07</u>	
<u>[Signature]</u>	<u>[Signature]</u>	<u>9/14/21</u>	<u>8:07</u>	
				Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>
				Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>



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Chain of Custody

Turnaround Request (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

(other) _____

Laboratory Number:

09-122

Company: HC

Project Number: 1950019

Project Name: Evact-Smelter

Project Manager: _____

Sampled by: C.O. AN.

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix
Y1	434-A-04-A	8/20/21	9:37	Soil
Y2	434-A-04-A-DUP		9:37	Soil
Y3	434-A-04-B		9:37	Soil
Y4	434-A-05-A		7:51	Soil
Y5	434-A-06-A		10:05	Soil
Y6	434-A-06-B		10:05	Soil
Y7	434-A-07-A		10:20	Soil
Y8	435-A-02-B		11:35	Soil
Y9	435-A-03-A		11:50	Soil
SD	435-A-03-B		11:50	Soil

Number of Containers

Parameter	Count
NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	
Volatiles 8260D	
Halogenated Volatiles 8260D	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270E/SIM (with low-level PAHs)	
PAHs 8270E/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270E/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
Total Metals (As, Pb)	X
% Moisture	

Signature: _____

Company: _____

Date: _____

Time: _____

Comments/Special Instructions

Relinquished: M. R. New

Relinquished: DATA GROWING

Date: 9/14/21

Time: 12:00

Comments/Special Instructions

Received: #17

Received: Spooky Alpha

Date: 9/14/21

Time: 12:50

Comments/Special Instructions

Relinquished: #17

Relinquished: Specimen Alpha

Date: 9/14/21

Time: 6:07

Comments/Special Instructions

Received: _____

Received: _____

Date: _____

Time: _____

Comments/Special Instructions

Reviewed/Date: _____

Reviewed/Date: _____

Date: _____

Comments/Special Instructions

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



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Chain of Custody

Turnaround Request
(in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

(other) _____

Laboratory Number: **09-122**

Company: HC
 Project Number: 1950019
 Project Name: Everett Smelter
 Project Manager: J. Bingham
 Sampled by: CO. A N

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
S1	435-A-04-A	8/20/21	12:10	Soil	1
S2	435-A-05-A		12:25		1
S3	435-A-05-B		12:25		1
S4	435-A-06-A		12:45		1
S5	435-A-06-B		12:45		1
S6	460-A-01-A	8/23/21	8:30		1
S7	460-A-01-B		8:30		1
S8	460-A-02-A		8:49		1
S9	460-A-02-B		8:49		1
S0	460-A-03-A		9:06		1

Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260D	Halogenated Volatiles 8260D	EDB EPA 8011 (Waters Only)	Semivolatiles 8270E/SIM (with low-level PAHs)	PAHs 8270E/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270E/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Total Metals (As, Pb)	% Moisture
1																			

Signature	Company	Date	Time	Comments/Special Instructions
<u>W. Maddox</u>	<u>HWA Cousins</u>	<u>9/14/21</u>	<u>12:00</u>	
<u>#17</u>	<u>Speedy Alpha</u>	<u>9/14/21</u>	<u>12:58</u>	
<u>#17</u>	<u>Speedy Alpha</u>	<u>9/14/21</u>	<u>6:58</u>	
<u>[Signature]</u>	<u>OSB</u>	<u>9/14/21</u>	<u>4:07</u>	

Received _____

Relinquished _____

Received _____

Relinquished _____

Received _____

Relinquished _____

Reviewed/Date _____

Reviewed/Date _____

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



Onsite Environmental Inc.

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Chain of Custody

Turnaround Request (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

(other) _____

Laboratory Number:

09-1222 09-1222

Company: HC

Project Number: 1950019

Project Name: Everett smelter

Project Manager: J. Bingham

Sampled by: CO. VK

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix
61	460-A-03-A-DUP	8/23/19	9:06	soil
62	460-A-03-B		9:06	
63	460-A-04-A		9:20	
64	460-A-04-B		9:20	
65	460-A-05-A		9:35	
66	460-A-05-B		9:35	
67	460-A-06-A		9:45	
68	460-A-06-B		9:45	
69	460-A-07-A		10:00	
70	460-A-07-B		10:00	

Number of Containers

NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	
Volatiles 8260D	
Halogenated Volatiles 8260D	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270E/SIM (with low-level PAHs)	
PAHs 8270E/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270E/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
<input checked="" type="checkbox"/> Total Metals (As, Pb)	
% Moisture	

Signature	Company	Date	Time	Comments/Special Instructions
<u>MTPedman</u>	<u>HWA CRUSSRY</u>	<u>9/14/21</u>	<u>1200</u>	
<u>#17</u>	<u>Specs Alpha</u>	<u>9/14/21</u>	<u>12:58</u>	
<u>#17</u>	<u>Specs Alpha</u>	<u>9/14/21</u>	<u>6:58</u>	

Relinquished

Received

Relinquished

Received

Relinquished

Received

Reviewed/Date

Reviewed/Date

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



MA Onsite Environmental Inc.

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Chain of Custody

Turnaround Request
(in working days)

Laboratory Number: 09-122

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

(other)

Company: HC
Project Number: Everett smelter
Project Name: 1950019
Project Manager: J. Bingham
Sampled by: CD. VK

Date Sampled: 8/23
Time Sampled: 10:13
Matrix: soil

Number of Containers	
NWTPH-HCID	1
NWTPH-Gx/BTEX	1
NWTPH-Gx	1
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	1
Volatiles 8260D	1
Halogenated Volatiles 8260D	1
EDB EPA 8011 (Waters Only)	1
Semivolatiles 8270E/SIM (with low-level PAHs)	1
PAHs 8270E/SIM (low-level)	1
PCBs 8082A	1
Organochlorine Pesticides 8081B	1
Organophosphorus Pesticides 8270E/SIM	1
Chlorinated Acid Herbicides 8151A	1
Total RCRA Metals	1
Total MTCA Metals	1
TCLP Metals	1
HEM (oil and grease) 1664A	1
Total Metals (As, Pb)	1
% Moisture	2

Lab ID	Sample Identification
71	460-A-08-B
72	460-A-08-A
73	560-A-03-A
74	502-A-01-C
75	497-A-04-B
76	468-A-01-A
77	468-A-01-B
78	468-A-02-A
79	468-A-03-A
80	468-A-03-B

Date Sampled	Time Sampled	Matrix
8/23	10:13	soil
8/24	11:52	soil
8/24	8:30	soil
8/24	8:35	soil
8/24	12:02	soil
8/24	12:02	soil
8/24	12:15	soil
8/24	12:29	soil
8/24	12:30	soil

Signature	Company	Date	Time	Comments/Special Instructions
	Heart Crosser	9/14/21	12:00	
	Speeds Alpha	9/14/21	12:50	
	Speeds Alpha	9/14/21	6:57	
	OSB	9/14/21	18:07	

Received/Date	Reviewed/Date
Relinquished	
Received	
Relinquished	
Received	
Relinquished	
Received	
Relinquished	
Reviewed/Date	Reviewed/Date

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



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Chain of Custody

Turnaround Request
 (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Laboratory Number: 09-122

Company: HIC
 Project Number: 1950019
 Project Name: Everett Smelter
 Project Manager: J Ringham
 Sampled by: CO MR SG. AL.

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers		Laboratory Tests																						
							NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260D	Halogenated Volatiles 8260D	EDB EPA 8011 (Waters Only)	Semivolatiles 8270E/SIM (with low-level PAHs)	PAHs 8270E/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270E/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Total Metals (As, Pb)	% Moisture				
81	408-A-04-B	8/24/12	1242	soil	1	1																							
82	408-A-04-B-DUP		1242		1	1																							
83	468-A-05-A		1255		1	1																							
84	408-A-05-B		1256		1	1																							
85	470-A-04-B	8/25/12	1000		1	1																							
86	470-A-05-B		1020		1	1																							
87	470-A-05-A		1020		1	1																							
88	111-A-01-A		1110		1	1																							
89	111-A-03-A		1110		1	1																							
90	111-A-05-A		1209		1	1																							

Signature	Company	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	Hart Crosser	9/14/12	1200	
<i>[Signature]</i>	Speedy Allen	9/14/12	12:50	
<i>[Signature]</i>	Speedy Allen	9/14/12	6:07	
<i>[Signature]</i>	Speedy Allen	9/14/12	12:07	

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



**MVA Onsite
Environmental Inc.**

Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Company: <u>HL</u>				Turnaround Request (in working days) (Check One) <input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> Standard (7 Days)	
Project Number: <u>1450019</u>				<input type="checkbox"/> (other) _____	
Project Name: <u>Everett Smelter</u>					
Project Manager: <u>J Bingham</u>					
Sampled by: <u>CC. AN. SG. V.K.</u>					
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
91	488-A-03-C	8/25/21	1400	Soil	1
92	488-A-04-B		1415		1
93	488-A-05-A		1427		1
94	488-A-05-B		1427		1
95	479-A-05-A	8/26/21	926		1
96	480-A-04-A	8/26/21	1019		1
97	499-A-01-A	8/26/21	1114		1
98	491-A-01-B	8/26/21	1114		1
99	591-A-01-D	8/27/21	819		1
100	591-B-03-D	8-27-21	1050		1
Relinquished	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	<i>M Bingham</i>	Hera Cruiser	9/14/21	1200	
Received	<i>[Signature]</i>	Speedy Air	9/14/21	12:58	
Relinquished	<i>[Signature]</i>	Speedy Air	9/14/21	6:07	
Received	<i>[Signature]</i>	Speedy Air	9/14/21	2:07	
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			

Laboratory Number: **09-1222**

NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	
Volatiles 8260D	
Halogenated Volatiles 8260D	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270E/SIM (with low-level PAHs)	
PAHs 8270E/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270E/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
<i>X</i> Total Metals (As, Pb)	
% Moisture	

Data Package: Standard Level III Level IV
 Chromatograms with final report Electronic Data Deliverables (EDDs)



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Chain of Custody

Turnaround Request
(in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Laboratory Number: **09-122**

Company: HL

Project Number: 1450019

Project Name: Everett Smelter

Project Manager: S. Bingham

Sampled by: C.O. AN. SC

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix
101	1005-A-02-A	8-27-21	1255	Soil
102	1005-A-01-B	8-27-21	1240	
103	1005-A-03-A	8-27-21	1317	
104	1005-A-03-A Dup	8-27-21	1317	
105	1005-A-03-B	8-27-21	1317	
106	1005-A-04-A	8-27-21	1343	
107	1005-A-04B	8-27-21	1343	
108	1005-A-04-C	8-27-21	1343	
109	1005-A-05-A	8-27-21	1355	
110	1005-A-05-B	8-27-21	1355	

Number of Containers

NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	
Volatiles 8260D	
Halogenated Volatiles 8260D	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270E/SIM (with low-level PAHs)	
PAHs 8270E/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270E/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
<input checked="" type="checkbox"/> Total Metals (As, Pb)	
% Moisture	

Signature	Company	Date	Time	Comments/Special Instructions
<u>MPRoostman</u>	<u>HWA CRUISER</u>	<u>9/14/21</u>	<u>1200</u>	
<u>#17</u>	<u>Speedy A/A</u>	<u>9/14/21</u>	<u>12:50</u>	
<u>#17</u>	<u>Speedy A/A</u>	<u>9/14/21</u>	<u>6:07</u>	
<u>[Signature]</u>	<u>[Signature]</u>	<u>9/14/21</u>	<u>1807</u>	

Relinquished

Received

Relinquished

Received

Relinquished

Received

Relinquished

Reviewed/Date

Reviewed/Date

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



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Chain of Custody

Turnaround Request
 (in working days)
 (Check One)

- Same Day 1 Day
- 2 Days 3 Days
- Standard (7 Days)
- _____ (other)

Laboratory Number: **09-122**

Company: HC
 Project Number: 1956019
 Project Name: Everett Smith
 Project Manager: S. Bingham
 Sampled by: CO. Soc.

Lab ID Sample Identification Date Sampled Time Sampled Matrix

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260D	Halogenated Volatiles 8260D	EDB EPA 8011 (Waters Only)	Semivolatiles 8270E/SIM (with low-level PAHs)	PAHs 8270E/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270E/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	TOTAL metals (As, Pb)	% Moisture	
562-A-04-A	562-A-04-A	8/31/21	908	soil	1																				
562-A-04-B	562-A-04-B	8/31/21	908	soil	1																				
562-A-05-A	562-A-05-A	9/1/21	917	soil	1																				
562-A-05-A-dup	562-A-05-A-dup	9/1/21	917	soil	1																				
562-A-05-B	562-A-05-B	9/1/21	917	soil	1																				
568-A-03-B	568-A-03-B	9/1/21	1021	soil	1																				
568-A-07-B	568-A-07-B	9/1/21	1109	soil	1																				
568-A-06-B	568-A-06-B	9/1/21	1128	soil	1																				
562-A-02-A	562-A-02-A	8/10/21	1309	soil	1																				
385-A-03-B	385-A-03-B	8/10/21	0930	soil	1																				

Signature: M. Broadman Company: Heart Crosser Date: 9/14/21 Time: 1200 Comments/Special Instructions:

Relinquished Received Relinquished Received Relinquished Received Relinquished Received

#17
#17
Speedy + Alpha
Speedy Alpha
9/14/21
9/14/21
6:51
1807

Reviewed/Date: _____ Data Package: Standard Level III Level IV
 Reviewed/Date: _____ Chromatograms with final report Electronic Data Deliverables (EDDs)



MVA Onsite Environmental Inc.

Analytical Laboratory Testing Services
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Chain of Custody

Company: **Hans Crowser**
 Project Number: **1950019**
 Project Name: **Barrett Smelter**
 Project Manager: **J Birmingham**
 Sampled by: **MB/SF**

Turnaround Request (in working days)
 (Check One)
 Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
 _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
124	599-A-03-A-redo	9/1/21	1330	soil	1
125	500-A-02-B	9/1/21	1230	soil	1

Laboratory Number: 09-122	
<input type="checkbox"/>	NWTPH-HCID
<input type="checkbox"/>	NWTPH-Gx/BTEX
<input type="checkbox"/>	NWTPH-Gx
<input type="checkbox"/>	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)
<input type="checkbox"/>	Volatiles 8260D
<input type="checkbox"/>	Halogenated Volatiles 8260D
<input type="checkbox"/>	EDB EPA 8011 (Waters Only)
<input type="checkbox"/>	Semivolatiles 8270E/SIM (with low-level PAHs)
<input type="checkbox"/>	PAHs 8270E/SIM (low-level)
<input type="checkbox"/>	PCBs 8082A
<input type="checkbox"/>	Organochlorine Pesticides 8081B
<input type="checkbox"/>	Organophosphorus Pesticides 8270E/SIM
<input type="checkbox"/>	Chlorinated Acid Herbicides 8151A
<input type="checkbox"/>	Total RCRA Metals
<input type="checkbox"/>	Total MTCA Metals
<input type="checkbox"/>	TCLP Metals
<input type="checkbox"/>	HEM (oil and grease) 1664A
<input checked="" type="checkbox"/>	Total metals (As, Pb)
<input checked="" type="checkbox"/>	% Moisture

Received _____
 Relinquished _____
 Received _____
 Relinquished _____
 Received _____
 Relinquished _____
 Received _____
 Relinquished _____
 Reviewed/Date _____

Signature: **M Broadman**
 Company: **Hans Crowser**
 Date: **9/14/21**
 Time: **12:00**
 Signature: **Hans Crowser**
 Company: **Greedy Alpha**
 Date: **9/14/21**
 Time: **12:50**
 Signature: **Greedy Alpha**
 Date: **9/14/21**
 Time: **6:07**
 Signature: **[Signature]**
 Date: **9/14/21**
 Time: **8:07**

Comments/Special Instructions
 Data Package: Standard Level III Level IV
 Chromatograms with final report Electronic Data Deliverables (EDDs)