

This quality assurance (QA) review is based upon an examination of the data generated from the analyses of the samples collected as part of the:

**John Sevier Fish**

Data Verification was performed in accordance with the Tennessee Valley Authority Environmental Investigation Plan, John Sevier Fossil Plant (JSF EIP; Revision 3, October 2018). This review was performed with guidance from the National Functional Guidelines for Inorganic Data Review (US EPA, October 2004); the US EPA Region IV Environmental Investigations Standard Operating Procedures and Quality Assurance Manual (November 2001); and the US EPA Region IV Data Validation Standard Operating Procedures. These validation guidance documents specifically address analyses performed in accordance with the Contract Laboratory Program (CLP) analytical methods and are not completely applicable to the type of analyses and analytical protocols performed for the US EPA, SW-846, and Standard Methods utilized by the laboratory for these samples. Environmental Standards, Inc. (Environmental Standards) used professional judgment to determine the usability of the analytical results and compliance relative to the US EPA, SW-846, and Standard Methods utilized by the laboratory. This QA review was performed on the data associated with Job Number:

**40197843**

The findings offered in this report are based on a review of holding times and preservation, method blank results, field blank results, filter blank results, equipment blank results, tubing blank results, matrix spike/matrix spike duplicate recoveries and precision, laboratory control sample/laboratory control sample duplicate recoveries and precision, laboratory and field duplicate precision, total and dissolved results comparisons, and/or positive results between the method detection limit and quantitation limit.

The following results were qualified based on the data verification effort:

Sample	Location	Sample Type	Method	Anayte	T/D	Result	Qual	Reason Code(s)	MDL	QL	Unit
JSF-FH-BG-HRA1-F-20190522	JSF-HRA1	N	SW-846 6020A	Arsenic	T	0.062	J	RL	0.030	0.10	MG/KG
JSF-FH-BG-HRA1-F-20190522	JSF-HRA1	N	SW-846 6020A	Cadmium	T	0.019	J	RL	0.011	0.10	MG/KG
JSF-FH-BG-HRA1-F-20190522	JSF-HRA1	N	SW-846 6020A	Calcium	T	242	J	M+	25.4	84.6	MG/KG
JSF-FH-BG-HRA1-F-20190522	JSF-HRA1	N	SW-846 6020A	Copper	T	0.38	J	RL	0.28	0.95	MG/KG
JSF-FH-BG-HRA1-F-20190522	JSF-HRA1	N	SW-846 6020A	Strontium	T	0.18	J	RL	0.16	0.54	MG/KG
JSF-FH-BG-HRA1-F-20190522	JSF-HRA1	N	SW-846 7473	Mercury	T	0.043	J	M+	0.0072	0.024	MG/KG
JSF-FH-BG-HRA2-F-20190507	JSF-HRA2	N	SW-846 6020A	Arsenic	T	0.037	J	RL	0.029	0.096	MG/KG
JSF-FH-BG-HRA2-F-20190507	JSF-HRA2	N	SW-846 6020A	Calcium	T	170	J	M+	24.4	81.4	MG/KG
JSF-FH-BG-HRA2-F-20190507	JSF-HRA2	N	SW-846 6020A	Chromium	T	0.16	J	RL	0.085	0.28	MG/KG
JSF-FH-BG-HRA2-F-20190507	JSF-HRA2	N	SW-846 6020A	Nickel	T		U*	BE	0.065	0.13	MG/KG
JSF-FH-BG-HRA2-F-20190507	JSF-HRA2	N	SW-846 7473	Mercury	T	0.21	J	M+	0.0072	0.024	MG/KG
JSF-FH-BG-HRD-F-20190507	JSF-HRD	N	SW-846 6020A	Arsenic	T	0.039	J	RL	0.029	0.097	MG/KG
JSF-FH-BG-HRD-F-20190507	JSF-HRD	N	SW-846 6020A	Calcium	T	348	J	FD,M+	24.5	81.8	MG/KG
JSF-FH-BG-HRD-F-20190507	JSF-HRD	N	SW-846 6020A	Strontium	T	0.31	J	RL	0.16	0.52	MG/KG
JSF-FH-BG-HRD-F-20190507	JSF-HRD	N	SW-846 7473	Mercury	T	0.19	J	M+	0.0070	0.023	MG/KG
JSF-FH-BG-HRU-F-20190507	JSF-HRU	N	SW-846 6020A	Calcium	T	400	J	M+	24.2	80.7	MG/KG
JSF-FH-BG-HRU-F-20190507	JSF-HRU	N	SW-846 6020A	Strontium	T	0.34	J	RL	0.15	0.51	MG/KG
JSF-FH-BG-HRU-F-20190507	JSF-HRU	N	SW-846 7473	Mercury	T	0.18	J	M+	0.0070	0.023	MG/KG
JSF-FH-BG-F-DUP01-20190507	JSF-HRD	FD	SW-846 6020A	Calcium	T	150	J	FD,M+	24.3	80.9	MG/KG
JSF-FH-BG-F-DUP01-20190507	JSF-HRD	FD	SW-846 7473	Mercury	T	0.21	J	M+	0.0070	0.023	MG/KG
JSF-FH-BG-F-DUP02-20190507	JSF-HRU	FD	SW-846 6020A	Arsenic	T	0.033	J	RL	0.030	0.098	MG/KG
JSF-FH-BG-F-DUP02-20190507	JSF-HRU	FD	SW-846 6020A	Calcium	T	410	J	M+	24.8	82.7	MG/KG

Sample	Location	Sample Type	Method	Anayte	T/D	Result	Qual	Reason Code(s)	MDL	QL	Unit
JSF-FH-BG-F-DUP02-20190507	JSF-HRU	FD	SW-846 6020A	Strontium	T	0.32	J	RL	0.16	0.53	MG/KG
JSF-FH-BG-F-DUP02-20190507	JSF-HRU	FD	SW-846 7473	Mercury	T	0.21	J	M+	0.0071	0.024	MG/KG
JSF-FH-BG-HRA1-O-20190522	JSF-HRA1	N	SW-846 6020A	Arsenic	T	0.064	J	RL	0.028	0.092	MG/KG
JSF-FH-BG-HRA1-O-20190522	JSF-HRA1	N	SW-846 6020A	Barium	T	0.079	J	RL	0.028	0.092	MG/KG
JSF-FH-BG-HRA1-O-20190522	JSF-HRA1	N	SW-846 6020A	Calcium	T	154	J	M+	23.4	78.0	MG/KG
JSF-FH-BG-HRA1-O-20190522	JSF-HRA1	N	SW-846 6020A	Cobalt	T	0.036	J	RL	0.018	0.092	MG/KG
JSF-FH-BG-HRA1-O-20190522	JSF-HRA1	N	SW-846 6020A	Molybdenum	T	0.044	J	RL	0.033	0.11	MG/KG
JSF-FH-BG-HRA1-O-20190522	JSF-HRA1	N	SW-846 6020A	Strontium	T	0.24	J	RL	0.15	0.50	MG/KG
JSF-FH-BG-HRA1-O-20190522	JSF-HRA1	N	SW-846 7473	Mercury	T		U*	BL	0.011	0.024	MG/KG
JSF-FH-BG-HRA2-O-20190507	JSF-HRA2	N	SW-846 6020A	Arsenic	T	0.044	J	RL	0.029	0.097	MG/KG
JSF-FH-BG-HRA2-O-20190507	JSF-HRA2	N	SW-846 6020A	Calcium	T		U*	BE,M+	131	131	MG/KG
JSF-FH-BG-HRA2-O-20190507	JSF-HRA2	N	SW-846 6020A	Cobalt	T	0.052	J	RL	0.018	0.097	MG/KG
JSF-FH-BG-HRA2-O-20190507	JSF-HRA2	N	SW-846 6020A	Molybdenum	T	0.059	J	RL	0.035	0.12	MG/KG
JSF-FH-BG-HRA2-O-20190507	JSF-HRA2	N	SW-846 6020A	Strontium	T	0.34	J	RL	0.16	0.52	MG/KG
JSF-FH-BG-HRA2-O-20190507	JSF-HRA2	N	SW-846 7473	Mercury	T		U*	BL	0.016	0.024	MG/KG
JSF-FH-BG-HRD-O-20190507	JSF-HRD	N	SW-846 6020A	Arsenic	T	0.059	J	RL	0.028	0.093	MG/KG
JSF-FH-BG-HRD-O-20190507	JSF-HRD	N	SW-846 6020A	Calcium	T	138	J	M+	23.6	78.8	MG/KG
JSF-FH-BG-HRD-O-20190507	JSF-HRD	N	SW-846 6020A	Cobalt	T	0.067	J	RL	0.018	0.093	MG/KG
JSF-FH-BG-HRD-O-20190507	JSF-HRD	N	SW-846 6020A	Molybdenum	T	0.046	J	RL	0.033	0.11	MG/KG
JSF-FH-BG-HRD-O-20190507	JSF-HRD	N	SW-846 6020A	Strontium	T	0.35	J	RL	0.15	0.50	MG/KG
JSF-FH-BG-HRD-O-20190507	JSF-HRD	N	SW-846 7473	Mercury	T		U*	BL	0.013	0.025	MG/KG
JSF-FH-BG-HRU-O-20190507	JSF-HRU	N	SW-846 6020A	Arsenic	T	0.049	J	RL	0.028	0.093	MG/KG
JSF-FH-BG-HRU-O-20190507	JSF-HRU	N	SW-846 6020A	Calcium	T	147	J	M+	23.5	78.4	MG/KG
JSF-FH-BG-HRU-O-20190507	JSF-HRU	N	SW-846 6020A	Cobalt	T	0.042	J	RL	0.018	0.093	MG/KG
JSF-FH-BG-HRU-O-20190507	JSF-HRU	N	SW-846 6020A	Molybdenum	T	0.041	J	RL	0.033	0.11	MG/KG
JSF-FH-BG-HRU-O-20190507	JSF-HRU	N	SW-846 6020A	Nickel	T		U*	BE	0.046	0.13	MG/KG
JSF-FH-BG-HRU-O-20190507	JSF-HRU	N	SW-846 6020A	Strontium	T	0.31	J	RL	0.15	0.50	MG/KG
JSF-FH-BG-HRU-O-20190507	JSF-HRU	N	SW-846 7473	Mercury	T		U*	BL	0.0095	0.025	MG/KG
JSF-FH-BG-O-DUP01-20190507	JSF-HRD	FD	SW-846 6020A	Arsenic	T	0.048	J	RL	0.028	0.094	MG/KG
JSF-FH-BG-O-DUP01-20190507	JSF-HRD	FD	SW-846 6020A	Calcium	T		U*	BE,M+	134	134	MG/KG
JSF-FH-BG-O-DUP01-20190507	JSF-HRD	FD	SW-846 6020A	Cobalt	T	0.049	J	RL	0.018	0.094	MG/KG
JSF-FH-BG-O-DUP01-20190507	JSF-HRD	FD	SW-846 6020A	Molybdenum	T	0.039	J	RL	0.034	0.11	MG/KG
JSF-FH-BG-O-DUP01-20190507	JSF-HRD	FD	SW-846 6020A	Strontium	T	0.36	J	RL	0.15	0.51	MG/KG
JSF-FH-BG-O-DUP01-20190507	JSF-HRD	FD	SW-846 7473	Mercury	T		U*	BL	0.018	0.025	MG/KG
JSF-FH-BG-O-DUP02-20190507	JSF-HRU	FD	SW-846 6020A	Arsenic	T	0.075	J	RL	0.030	0.098	MG/KG
JSF-FH-BG-O-DUP02-20190507	JSF-HRU	FD	SW-846 6020A	Calcium	T		U*	BE,M+	117	117	MG/KG

Sample	Location	Sample Type	Method	Anayte	T/D	Result	Qual	Reason Code(s)	MDL	QL	Unit
JSF-FH-BG-O-DUP02-20190507	JSF-HRU	FD	SW-846 6020A	Chromium	T		UJ	L-	0.087	0.29	MG/KG
JSF-FH-BG-O-DUP02-20190507	JSF-HRU	FD	SW-846 6020A	Cobalt	T	0.055	J	RL	0.019	0.098	MG/KG
JSF-FH-BG-O-DUP02-20190507	JSF-HRU	FD	SW-846 6020A	Molybdenum	T	0.062	J	RL	0.035	0.12	MG/KG
JSF-FH-BG-O-DUP02-20190507	JSF-HRU	FD	SW-846 6020A	Strontium	T	0.29	J	RL	0.16	0.53	MG/KG
JSF-FH-BG-O-DUP02-20190507	JSF-HRU	FD	SW-846 7473	Mercury	T		U*	BL	0.022	0.024	MG/KG
JSF-FH-BG-HRA1-L-20190522	JSF-HRA1	N	SW-846 6020A	Barium	T	0.043	J	RL	0.031	0.10	MG/KG
JSF-FH-BG-HRA1-L-20190522	JSF-HRA1	N	SW-846 6020A	Cadmium	T	0.041	J	RL	0.011	0.10	MG/KG
JSF-FH-BG-HRA1-L-20190522	JSF-HRA1	N	SW-846 6020A	Calcium	T		U*	BE,M+	122	122	MG/KG
JSF-FH-BG-HRA1-L-20190522	JSF-HRA1	N	SW-846 6020A	Vanadium	T	0.065	J	RL	0.033	0.11	MG/KG
JSF-FH-BG-HRA2-L-20190507	JSF-HRA2	N	SW-846 6020A	Barium	T	0.050	J	RL	0.028	0.092	MG/KG
JSF-FH-BG-HRA2-L-20190507	JSF-HRA2	N	SW-846 6020A	Calcium	T		U*	BE,M+	133	133	MG/KG
JSF-FH-BG-HRA2-L-20190507	JSF-HRA2	N	SW-846 6020A	Chromium	T		UJ	L-	0.081	0.27	MG/KG
JSF-FH-BG-HRA2-L-20190507	JSF-HRA2	N	SW-846 6020A	Nickel	T		U*	BE	0.042	0.13	MG/KG
JSF-FH-BG-HRA2-L-20190507	JSF-HRA2	N	SW-846 6020A	Strontium	T	0.15	J	RL	0.15	0.50	MG/KG
JSF-FH-BG-HRA2-L-20190507	JSF-HRA2	N	SW-846 6020A	Thallium	T	0.025	J	RL	0.012	0.092	MG/KG
JSF-FH-BG-HRD-L-20190507	JSF-HRD	N	SW-846 6020A	Barium	T	0.031	J	RL	0.028	0.092	MG/KG
JSF-FH-BG-HRD-L-20190507	JSF-HRD	N	SW-846 6020A	Calcium	T		U*	BE,M+	75.0	77.5	MG/KG
JSF-FH-BG-HRD-L-20190507	JSF-HRD	N	SW-846 6020A	Thallium	T	0.023	J	RL	0.012	0.092	MG/KG
JSF-FH-BG-HRU-L-20190507	JSF-HRU	N	SW-846 6020A	Barium	T	0.057	J	RL	0.028	0.092	MG/KG
JSF-FH-BG-HRU-L-20190507	JSF-HRU	N	SW-846 6020A	Calcium	T		U*	BE,M+	107	107	MG/KG
JSF-FH-BG-HRU-L-20190507	JSF-HRU	N	SW-846 6020A	Nickel	T		U*	BE	0.039	0.13	MG/KG
JSF-FH-BG-HRU-L-20190507	JSF-HRU	N	SW-846 6020A	Thallium	T	0.021	J	RL	0.012	0.092	MG/KG
JSF-FH-BG-HRU-L-20190507	JSF-HRU	N	SW-846 6020A	Vanadium	T	0.064	J	RL	0.031	0.10	MG/KG
JSF-FH-BG-L-DUP01-20190507	JSF-HRD	FD	SW-846 6020A	Barium	T	0.034	J	RL	0.029	0.096	MG/KG
JSF-FH-BG-L-DUP01-20190507	JSF-HRD	FD	SW-846 6020A	Calcium	T		U*	BE,M+	78.5	81.4	MG/KG
JSF-FH-BG-L-DUP01-20190507	JSF-HRD	FD	SW-846 6020A	Nickel	T		U*	BE	0.040	0.13	MG/KG
JSF-FH-BG-L-DUP01-20190507	JSF-HRD	FD	SW-846 6020A	Thallium	T	0.016	J	RL	0.012	0.096	MG/KG
JSF-FH-BG-L-DUP02-20190507	JSF-HRU	FD	SW-846 6020A	Barium	T	0.037	J	RL	0.030	0.098	MG/KG
JSF-FH-BG-L-DUP02-20190507	JSF-HRU	FD	SW-846 6020A	Calcium	T		U*	BE,M+	106	106	MG/KG
JSF-FH-BG-L-DUP02-20190507	JSF-HRU	FD	SW-846 6020A	Nickel	T		U*	BE	0.043	0.14	MG/KG
JSF-FH-BG-L-DUP02-20190507	JSF-HRU	FD	SW-846 6020A	Thallium	T	0.018	J	RL	0.013	0.098	MG/KG
JSF-FH-BG-L-DUP02-20190507	JSF-HRU	FD	SW-846 6020A	Vanadium	T	0.080	J	RL	0.033	0.11	MG/KG
JSF-FH-CC-HRA1-F-20190507	JSF-HRA1	N	SW-846 6020A	Calcium	T		U*	BE,M+	74.6	83.6	MG/KG
JSF-FH-CC-HRA1-F-20190507	JSF-HRA1	N	SW-846 7473	Mercury	T	0.25	J	M+	0.0070	0.023	MG/KG
JSF-FH-CC-HRA2-F-20190611	JSF-HRA2	N	SW-846 6020A	Calcium	T	156	J	M+	24.4	81.2	MG/KG
JSF-FH-CC-HRA2-F-20190611	JSF-HRA2	N	SW-846 6020A	Cobalt	T	0.024	J	RL	0.018	0.096	MG/KG
JSF-FH-CC-HRA2-F-20190611	JSF-HRA2	N	SW-846 6020A	Strontium	T	0.16	J	RL	0.15	0.52	MG/KG
JSF-FH-CC-HRA2-F-20190611	JSF-HRA2	N	SW-846 7473	Mercury	T	0.19	J	M+	0.0073	0.024	MG/KG

**Data Qualifiers**

U*	This result should be considered "not-detected" because it was detected in a rinsate blank or laboratory blank at a similar level.
UR	Unreliable reporting limit; analyte may or may not be present in sample.
R	Unreliable positive result; analyte may or may not be present in sample.
J	Quantitation is approximate due to limitations identified during data validation.
UJ	This analyte was not detected, but the reporting limit may or may not be higher due to a bias identified during data validation.

**Reason Codes and Explanations**

BE	Equipment blank contamination. The result should be considered "not-detected."
BF	Field blank contamination. The result should be considered "not-detected."
BL	Laboratory blank contamination. The result should be considered "not-detected."
FD	Field duplicate imprecision.
FG	Total versus Dissolved Imprecision.
H	Holding time exceeded.
L	LCS and LCSD recoveries outside of acceptance limits, indeterminate bias.
L+	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased high.
L-	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased low.
LD	Laboratory duplicate imprecision.
LP	LCS/LCSD imprecision.
M	MS and MSD recoveries outside of acceptance limits, indeterminate bias.
M+	MS and/or MSD recoveries outside of acceptance limits. The result may be biased high.
M-	MS and/or MSD recoveries outside of acceptance limits. The result may be biased low.
MP	MS/MSD imprecision.
Q	Chemical Preservation issue.
RL	Reported Results between the MDL and RL.
T	Temperature preservation issue.
X	Percent solids < 50%.
Y+	Chemical Yield outside of acceptance limits. The result may be biased high.
Y-	Chemical yield outside of acceptance limits. The result may be biased low.

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
ASTM D2974-87	Percent Moisture	MOISTURE	N	%	80.4			0.10	0.10	0.10	Y	Yes	1	WET
SW-846 6020A	Antimony	7440-36-0	T	MG/KG		U		0.021	0.021	0.10	N	Yes	1	WET
	Arsenic	7440-38-2	T	MG/KG	0.062	J	RL	0.030	0.030	0.10	Y	Yes	1	WET
	Barium	7440-39-3	T	MG/KG		U		0.031	0.031	0.10	N	Yes	1	WET
	Beryllium	7440-41-7	T	MG/KG		U		0.033	0.033	0.11	N	Yes	1	WET
	Boron	7440-42-8	T	MG/KG		U		0.70	0.70	2.3	N	Yes	1	WET
	Cadmium	7440-43-9	T	MG/KG	0.019	J	RL	0.011	0.011	0.10	Y	Yes	1	WET
	Calcium	7440-70-2	T	MG/KG	242	J	M+	25.4	25.4	84.6	Y	Yes	1	WET
	Chromium	7440-47-3	T	MG/KG		U		0.088	0.088	0.29	N	Yes	1	WET
	Cobalt	7440-48-4	T	MG/KG		U		0.019	0.019	0.10	N	Yes	1	WET
	Copper	7440-50-8	T	MG/KG	0.38	J	RL	0.28	0.28	0.95	Y	Yes	1	WET
	Lead	7439-92-1	T	MG/KG		U		0.030	0.030	0.10	N	Yes	1	WET
	Lithium	7439-93-2	T	MG/KG		U		0.021	0.021	0.10	N	Yes	1	WET
	Molybdenum	7439-98-7	T	MG/KG		U		0.036	0.036	0.12	N	Yes	1	WET
	Nickel	7440-02-0	T	MG/KG		U		0.041	0.041	0.14	N	Yes	1	WET
	Selenium	7782-49-2	T	MG/KG	0.23			0.051	0.051	0.17	Y	Yes	1	WET
	Silver	7440-22-4	T	MG/KG		U		0.011	0.011	0.050	N	Yes	1	WET
	Strontium	7440-24-6	T	MG/KG	0.18	J	RL	0.16	0.16	0.54	Y	Yes	1	WET
	Thallium	7440-28-0	T	MG/KG		U		0.013	0.013	0.10	N	Yes	1	WET
	Vanadium	7440-62-2	T	MG/KG		U		0.033	0.033	0.11	N	Yes	1	WET
	Zinc	7440-66-6	T	MG/KG	5.6			1.4	1.4	4.7	Y	Yes	1	WET
SW-846 7473	Mercury	7439-97-6	T	MG/KG	0.043	J	M+	0.0072	0.0072	0.024	Y	Yes	1	WET

				<b>Lab Sample ID</b>	40197843002									
				<b>Sys Sample Code</b>	JSF-FH-BG-HRA2-F-20190507									
				<b>Sample Name</b>	JSF-FH-BG-HRA2-F-20190507									
				<b>Sample Date</b>	5/7/2019 6:07:00 PM									
				<b>Location</b>	JSF-HRA2									
				<b>Sample Type</b>	N									
				<b>Parent Sample</b>										
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
ASTM D2974-87	Percent Moisture	MOISTURE	N	%	81.2			0.10	0.10	0.10	Y	Yes	1	WET
SW-846 6020A	Antimony	7440-36-0	T	MG/KG		U		0.020	0.020	0.096	N	Yes	1	WET
	Arsenic	7440-38-2	T	MG/KG	0.037	J	RL	0.029	0.029	0.096	Y	Yes	1	WET
	Barium	7440-39-3	T	MG/KG		U		0.029	0.029	0.096	N	Yes	1	WET
	Beryllium	7440-41-7	T	MG/KG		U		0.032	0.032	0.11	N	Yes	1	WET
	Boron	7440-42-8	T	MG/KG		U		0.67	0.67	2.2	N	Yes	1	WET
	Cadmium	7440-43-9	T	MG/KG		U		0.011	0.011	0.096	N	Yes	1	WET
	Calcium	7440-70-2	T	MG/KG	170	J	M+	24.4	24.4	81.4	Y	Yes	1	WET
	Chromium	7440-47-3	T	MG/KG	0.16	J	RL	0.085	0.085	0.28	Y	Yes	1	WET
	Cobalt	7440-48-4	T	MG/KG		U		0.018	0.018	0.096	N	Yes	1	WET
	Copper	7440-50-8	T	MG/KG		U		0.27	0.27	0.91	N	Yes	1	WET
	Lead	7439-92-1	T	MG/KG		U		0.029	0.029	0.096	N	Yes	1	WET
	Lithium	7439-93-2	T	MG/KG		U		0.020	0.020	0.096	N	Yes	1	WET
	Molybdenum	7439-98-7	T	MG/KG		U		0.034	0.034	0.12	N	Yes	1	WET
	Nickel	7440-02-0	T	MG/KG		U*	BE	0.065	0.065	0.13	N	Yes	1	WET
	Selenium	7782-49-2	T	MG/KG	0.40			0.049	0.049	0.16	Y	Yes	1	WET
	Silver	7440-22-4	T	MG/KG		U		0.011	0.011	0.048	N	Yes	1	WET
	Strontium	7440-24-6	T	MG/KG		U		0.15	0.15	0.52	N	Yes	1	WET
	Thallium	7440-28-0	T	MG/KG		U		0.012	0.012	0.096	N	Yes	1	WET
	Vanadium	7440-62-2	T	MG/KG		U		0.032	0.032	0.11	N	Yes	1	WET
	Zinc	7440-66-6	T	MG/KG	6.1			1.3	1.3	4.5	Y	Yes	1	WET
SW-846 7473	Mercury	7439-97-6	T	MG/KG	0.21	J	M+	0.0072	0.0072	0.024	Y	Yes	1	WET

				<b>Lab Sample ID</b>	40197843003									
				<b>Sys Sample Code</b>	JSF-FH-BG-HRD-F-20190507									
				<b>Sample Name</b>	JSF-FH-BG-HRD-F-20190507									
				<b>Sample Date</b>	5/7/2019 3:30:00 PM									
				<b>Location</b>	JSF-HRD									
				<b>Sample Type</b>	N									
				<b>Parent Sample</b>										
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
ASTM D2974-87	Percent Moisture	MOISTURE	N	%	81.6			0.10	0.10	0.10	Y	Yes	1	WET
SW-846 6020A	Antimony	7440-36-0	T	MG/KG		U		0.020	0.020	0.097	N	Yes	1	WET
	Arsenic	7440-38-2	T	MG/KG	0.039	J	RL	0.029	0.029	0.097	Y	Yes	1	WET
	Barium	7440-39-3	T	MG/KG		U		0.030	0.030	0.097	N	Yes	1	WET
	Beryllium	7440-41-7	T	MG/KG		U		0.032	0.032	0.11	N	Yes	1	WET
	Boron	7440-42-8	T	MG/KG		U		0.67	0.67	2.3	N	Yes	1	WET
	Cadmium	7440-43-9	T	MG/KG		U		0.011	0.011	0.097	N	Yes	1	WET
	Calcium	7440-70-2	T	MG/KG	348	J	FD,M+	24.5	24.5	81.8	Y	Yes	1	WET
	Chromium	7440-47-3	T	MG/KG		U		0.085	0.085	0.28	N	Yes	1	WET
	Cobalt	7440-48-4	T	MG/KG		U		0.018	0.018	0.097	N	Yes	1	WET
	Copper	7440-50-8	T	MG/KG		U		0.27	0.27	0.92	N	Yes	1	WET
	Lead	7439-92-1	T	MG/KG		U		0.029	0.029	0.097	N	Yes	1	WET
	Lithium	7439-93-2	T	MG/KG		U		0.021	0.021	0.097	N	Yes	1	WET
	Molybdenum	7439-98-7	T	MG/KG		U		0.035	0.035	0.12	N	Yes	1	WET
	Nickel	7440-02-0	T	MG/KG		U		0.040	0.040	0.14	N	Yes	1	WET
	Selenium	7782-49-2	T	MG/KG	0.29			0.049	0.049	0.16	Y	Yes	1	WET
	Silver	7440-22-4	T	MG/KG		U		0.011	0.011	0.048	N	Yes	1	WET
	Strontium	7440-24-6	T	MG/KG	0.31	J	RL	0.16	0.16	0.52	Y	Yes	1	WET
	Thallium	7440-28-0	T	MG/KG		U		0.013	0.013	0.097	N	Yes	1	WET
	Vanadium	7440-62-2	T	MG/KG		U		0.032	0.032	0.11	N	Yes	1	WET
	Zinc	7440-66-6	T	MG/KG	5.7			1.4	1.4	4.5	Y	Yes	1	WET
SW-846 7473	Mercury	7439-97-6	T	MG/KG	0.19	J	M+	0.0070	0.0070	0.023	Y	Yes	1	WET

				<b>Lab Sample ID</b>	40197843004									
				<b>Sys Sample Code</b>	JSF-FH-BG-HRU-F-20190507									
				<b>Sample Name</b>	JSF-FH-BG-HRU-F-20190507									
				<b>Sample Date</b>	5/7/2019 12:20:00 PM									
				<b>Location</b>	JSF-HRU									
				<b>Sample Type</b>	N									
				<b>Parent Sample</b>										
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
ASTM D2974-87	Percent Moisture	MOISTURE	N	%	81.0			0.10	0.10	0.10	Y	Yes	1	WET
SW-846 6020A	Antimony	7440-36-0	T	MG/KG		U		0.020	0.020	0.095	N	Yes	1	WET
	Arsenic	7440-38-2	T	MG/KG		U		0.029	0.029	0.095	N	Yes	1	WET
	Barium	7440-39-3	T	MG/KG		U		0.029	0.029	0.095	N	Yes	1	WET
	Beryllium	7440-41-7	T	MG/KG		U		0.032	0.032	0.10	N	Yes	1	WET
	Boron	7440-42-8	T	MG/KG		U		0.66	0.66	2.2	N	Yes	1	WET
	Cadmium	7440-43-9	T	MG/KG		U		0.010	0.010	0.095	N	Yes	1	WET
	Calcium	7440-70-2	T	MG/KG	400	J	M+	24.2	24.2	80.7	Y	Yes	1	WET
	Chromium	7440-47-3	T	MG/KG		U		0.084	0.084	0.28	N	Yes	1	WET
	Cobalt	7440-48-4	T	MG/KG		U		0.018	0.018	0.095	N	Yes	1	WET
	Copper	7440-50-8	T	MG/KG		U		0.27	0.27	0.91	N	Yes	1	WET
	Lead	7439-92-1	T	MG/KG		U		0.029	0.029	0.095	N	Yes	1	WET
	Lithium	7439-93-2	T	MG/KG		U		0.020	0.020	0.095	N	Yes	1	WET
	Molybdenum	7439-98-7	T	MG/KG		U		0.034	0.034	0.11	N	Yes	1	WET
	Nickel	7440-02-0	T	MG/KG		U		0.039	0.039	0.13	N	Yes	1	WET
	Selenium	7782-49-2	T	MG/KG	0.35			0.048	0.048	0.16	Y	Yes	1	WET
	Silver	7440-22-4	T	MG/KG		U		0.011	0.011	0.048	N	Yes	1	WET
	Strontium	7440-24-6	T	MG/KG	0.34	J	RL	0.15	0.15	0.51	Y	Yes	1	WET
	Thallium	7440-28-0	T	MG/KG		U		0.012	0.012	0.095	N	Yes	1	WET
	Vanadium	7440-62-2	T	MG/KG		U		0.032	0.032	0.10	N	Yes	1	WET
	Zinc	7440-66-6	T	MG/KG	5.8			1.3	1.3	4.4	Y	Yes	1	WET
SW-846 7473	Mercury	7439-97-6	T	MG/KG	0.18	J	M+	0.0070	0.0070	0.023	Y	Yes	1	WET

Lab Sample ID	40197843005
Sys Sample Code	JSF-FH-BG-F-DUP01-20190507
Sample Name	JSF-FH-BG-F-DUP01-20190507
Sample Date	5/7/2019 12:00:00 AM
Location	JSF-HRD
Sample Type	FD
Parent Sample	JSF-FH-BG-HRD-F-20190507

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
ASTM D2974-87	Percent Moisture	MOISTURE	N	%	82.0			0.10	0.10	0.10	Y	Yes	1	WET
SW-846 6020A	Antimony	7440-36-0	T	MG/KG		U		0.020	0.020	0.096	N	Yes	1	WET
	Arsenic	7440-38-2	T	MG/KG		U		0.029	0.029	0.096	N	Yes	1	WET
	Barium	7440-39-3	T	MG/KG		U		0.029	0.029	0.096	N	Yes	1	WET
	Beryllium	7440-41-7	T	MG/KG		U		0.032	0.032	0.11	N	Yes	1	WET
	Boron	7440-42-8	T	MG/KG		U		0.67	0.67	2.2	N	Yes	1	WET
	Cadmium	7440-43-9	T	MG/KG		U		0.010	0.010	0.096	N	Yes	1	WET
	Calcium	7440-70-2	T	MG/KG	150	J	FD,M+	24.3	24.3	80.9	Y	Yes	1	WET
	Chromium	7440-47-3	T	MG/KG		U		0.085	0.085	0.28	N	Yes	1	WET
	Cobalt	7440-48-4	T	MG/KG		U		0.018	0.018	0.096	N	Yes	1	WET
	Copper	7440-50-8	T	MG/KG		U		0.27	0.27	0.91	N	Yes	1	WET
	Lead	7439-92-1	T	MG/KG		U		0.029	0.029	0.096	N	Yes	1	WET
	Lithium	7439-93-2	T	MG/KG		U		0.020	0.020	0.096	N	Yes	1	WET
	Molybdenum	7439-98-7	T	MG/KG		U		0.034	0.034	0.11	N	Yes	1	WET
	Nickel	7440-02-0	T	MG/KG		U		0.039	0.039	0.13	N	Yes	1	WET
	Selenium	7782-49-2	T	MG/KG	0.29			0.048	0.048	0.16	Y	Yes	1	WET
	Silver	7440-22-4	T	MG/KG		U		0.011	0.011	0.048	N	Yes	1	WET
	Strontium	7440-24-6	T	MG/KG		U		0.15	0.15	0.52	N	Yes	1	WET
	Thallium	7440-28-0	T	MG/KG		U		0.012	0.012	0.096	N	Yes	1	WET
	Vanadium	7440-62-2	T	MG/KG		U		0.032	0.032	0.11	N	Yes	1	WET
	Zinc	7440-66-6	T	MG/KG	6.5			1.3	1.3	4.5	Y	Yes	1	WET
SW-846 7473	Mercury	7439-97-6	T	MG/KG	0.21	J	M+	0.0070	0.0070	0.023	Y	Yes	1	WET

Lab Sample ID	40197843006
Sys Sample Code	JSF-FH-BG-F-DUP02-20190507
Sample Name	JSF-FH-BG-F-DUP02-20190507
Sample Date	5/7/2019 12:00:00 AM
Location	JSF-HRU
Sample Type	FD
Parent Sample	JSF-FH-BG-HRU-F-20190507

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
ASTM D2974-87	Percent Moisture	MOISTURE	N	%	80.1			0.10	0.10	0.10	Y	Yes	1	WET
SW-846 6020A	Antimony	7440-36-0	T	MG/KG		U		0.021	0.021	0.098	N	Yes	1	WET
	Arsenic	7440-38-2	T	MG/KG	0.033	J	RL	0.030	0.030	0.098	Y	Yes	1	WET
	Barium	7440-39-3	T	MG/KG		U		0.030	0.030	0.098	N	Yes	1	WET
	Beryllium	7440-41-7	T	MG/KG		U		0.032	0.032	0.11	N	Yes	1	WET
	Boron	7440-42-8	T	MG/KG		U		0.68	0.68	2.3	N	Yes	1	WET
	Cadmium	7440-43-9	T	MG/KG		U		0.011	0.011	0.098	N	Yes	1	WET
	Calcium	7440-70-2	T	MG/KG	410	J	M+	24.8	24.8	82.7	Y	Yes	1	WET
	Chromium	7440-47-3	T	MG/KG		U		0.086	0.086	0.28	N	Yes	1	WET
	Cobalt	7440-48-4	T	MG/KG		U		0.019	0.019	0.098	N	Yes	1	WET
	Copper	7440-50-8	T	MG/KG		U		0.28	0.28	0.93	N	Yes	1	WET
	Lead	7439-92-1	T	MG/KG		U		0.029	0.029	0.098	N	Yes	1	WET
	Lithium	7439-93-2	T	MG/KG		U		0.021	0.021	0.098	N	Yes	1	WET
	Molybdenum	7439-98-7	T	MG/KG		U		0.035	0.035	0.12	N	Yes	1	WET
	Nickel	7440-02-0	T	MG/KG		U		0.040	0.040	0.14	N	Yes	1	WET
	Selenium	7782-49-2	T	MG/KG	0.36			0.050	0.050	0.17	Y	Yes	1	WET
	Silver	7440-22-4	T	MG/KG		U		0.011	0.011	0.049	N	Yes	1	WET
	Strontium	7440-24-6	T	MG/KG	0.32	J	RL	0.16	0.16	0.53	Y	Yes	1	WET
	Thallium	7440-28-0	T	MG/KG		U		0.013	0.013	0.098	N	Yes	1	WET
	Vanadium	7440-62-2	T	MG/KG		U		0.033	0.033	0.11	N	Yes	1	WET
	Zinc	7440-66-6	T	MG/KG	6.4			1.4	1.4	4.6	Y	Yes	1	WET
SW-846 7473	Mercury	7439-97-6	T	MG/KG	0.21	J	M+	0.0071	0.0071	0.024	Y	Yes	1	WET

	<b>Lab Sample ID</b>	40197843007												
	<b>Sys Sample Code</b>	JSF-FH-BG-HRA1-O-20190522												
	<b>Sample Name</b>	JSF-FH-BG-HRA1-O-20190522												
	<b>Sample Date</b>	5/22/2019 1:10:00 PM												
	<b>Location</b>	JSF-HRA1												
	<b>Sample Type</b>	N												
	<b>Parent Sample</b>													
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
ASTM D2974-87	Percent Moisture	MOISTURE	N	%	67.4			0.10	0.10	0.10	Y	Yes	1	WET
SW-846 6020A	Antimony	7440-36-0	T	MG/KG		U		0.019	0.019	0.092	N	Yes	1	WET
	Arsenic	7440-38-2	T	MG/KG	0.064	J	RL	0.028	0.028	0.092	Y	Yes	1	WET
	Barium	7440-39-3	T	MG/KG	0.079	J	RL	0.028	0.028	0.092	Y	Yes	1	WET
	Beryllium	7440-41-7	T	MG/KG		U		0.031	0.031	0.10	N	Yes	1	WET
	Boron	7440-42-8	T	MG/KG		U		0.64	0.64	2.1	N	Yes	1	WET
	Cadmium	7440-43-9	T	MG/KG		U		0.010	0.010	0.092	N	Yes	1	WET
	Calcium	7440-70-2	T	MG/KG	154	J	M+	23.4	23.4	78.0	Y	Yes	1	WET
	Chromium	7440-47-3	T	MG/KG		U		0.082	0.082	0.27	N	Yes	1	WET
	Cobalt	7440-48-4	T	MG/KG	0.036	J	RL	0.018	0.018	0.092	Y	Yes	1	WET
	Copper	7440-50-8	T	MG/KG	1.1			0.26	0.26	0.88	Y	Yes	1	WET
	Lead	7439-92-1	T	MG/KG		U		0.028	0.028	0.092	N	Yes	1	WET
	Lithium	7439-93-2	T	MG/KG		U		0.020	0.020	0.092	N	Yes	1	WET
	Molybdenum	7439-98-7	T	MG/KG	0.044	J	RL	0.033	0.033	0.11	Y	Yes	1	WET
	Nickel	7440-02-0	T	MG/KG		U		0.038	0.038	0.13	N	Yes	1	WET
	Selenium	7782-49-2	T	MG/KG	0.83			0.047	0.047	0.16	Y	Yes	1	WET
	Silver	7440-22-4	T	MG/KG		U		0.010	0.010	0.046	N	Yes	1	WET
	Strontium	7440-24-6	T	MG/KG	0.24	J	RL	0.15	0.15	0.50	Y	Yes	1	WET
	Thallium	7440-28-0	T	MG/KG		U		0.012	0.012	0.092	N	Yes	1	WET
	Vanadium	7440-62-2	T	MG/KG		U		0.031	0.031	0.10	N	Yes	1	WET
	Zinc	7440-66-6	T	MG/KG	25.5			1.3	1.3	4.3	Y	Yes	1	WET
SW-846 7473	Mercury	7439-97-6	T	MG/KG		U*	BL	0.011	0.011	0.024	N	Yes	1	WET

Lab Sample ID													40197843008	
Sys Sample Code													JSF-FH-BG-HRA2-O-20190507	
Sample Name													JSF-FH-BG-HRA2-O-20190507	
Sample Date													5/7/2019 6:07:00 PM	
Location													JSF-HRA2	
Sample Type													N	
Parent Sample														
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
ASTM D2974-87	Percent Moisture	MOISTURE	N	%	69.4			0.10	0.10	0.10	Y	Yes	1	WET
SW-846 6020A	Antimony	7440-36-0	T	MG/KG		U		0.020	0.020	0.097	N	Yes	1	WET
	Arsenic	7440-38-2	T	MG/KG	0.044	J	RL	0.029	0.029	0.097	Y	Yes	1	WET
	Barium	7440-39-3	T	MG/KG	0.31			0.030	0.030	0.097	Y	Yes	1	WET
	Beryllium	7440-41-7	T	MG/KG		U		0.032	0.032	0.11	N	Yes	1	WET
	Boron	7440-42-8	T	MG/KG		U		0.68	0.68	2.3	N	Yes	1	WET
	Cadmium	7440-43-9	T	MG/KG		U		0.011	0.011	0.097	N	Yes	1	WET
	Calcium	7440-70-2	T	MG/KG		U*	BE,M+	131	131	131	N	Yes	1	WET
	Chromium	7440-47-3	T	MG/KG		U		0.086	0.086	0.28	N	Yes	1	WET
	Cobalt	7440-48-4	T	MG/KG	0.052	J	RL	0.018	0.018	0.097	Y	Yes	1	WET
	Copper	7440-50-8	T	MG/KG	1.1			0.28	0.28	0.92	Y	Yes	1	WET
	Lead	7439-92-1	T	MG/KG		U		0.029	0.029	0.097	N	Yes	1	WET
	Lithium	7439-93-2	T	MG/KG		U		0.021	0.021	0.097	N	Yes	1	WET
	Molybdenum	7439-98-7	T	MG/KG	0.059	J	RL	0.035	0.035	0.12	Y	Yes	1	WET
	Nickel	7440-02-0	T	MG/KG		U		0.040	0.040	0.14	N	Yes	1	WET
	Selenium	7782-49-2	T	MG/KG	1.9			0.049	0.049	0.16	Y	Yes	1	WET
	Silver	7440-22-4	T	MG/KG		U		0.011	0.011	0.048	N	Yes	1	WET
	Strontium	7440-24-6	T	MG/KG	0.34	J	RL	0.16	0.16	0.52	Y	Yes	1	WET
	Thallium	7440-28-0	T	MG/KG		U		0.013	0.013	0.097	N	Yes	1	WET
	Vanadium	7440-62-2	T	MG/KG		U		0.032	0.032	0.11	N	Yes	1	WET
	Zinc	7440-66-6	T	MG/KG	30.7			1.4	1.4	4.5	Y	Yes	1	WET
SW-846 7473	Mercury	7439-97-6	T	MG/KG		U*	BL	0.016	0.016	0.024	N	Yes	1	WET

				<b>Lab Sample ID</b>	40197843009									
				<b>Sys Sample Code</b>	JSF-FH-BG-HRD-O-20190507									
				<b>Sample Name</b>	JSF-FH-BG-HRD-O-20190507									
				<b>Sample Date</b>	5/7/2019 3:30:00 PM									
				<b>Location</b>	JSF-HRD									
				<b>Sample Type</b>	N									
				<b>Parent Sample</b>										
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
ASTM D2974-87	Percent Moisture	MOISTURE	N	%	66.8			0.10	0.10	0.10	Y	Yes	1	WET
SW-846 6020A	Antimony	7440-36-0	T	MG/KG		U		0.020	0.020	0.093	N	Yes	1	WET
	Arsenic	7440-38-2	T	MG/KG	0.059	J	RL	0.028	0.028	0.093	Y	Yes	1	WET
	Barium	7440-39-3	T	MG/KG	0.20			0.028	0.028	0.093	Y	Yes	1	WET
	Beryllium	7440-41-7	T	MG/KG		U		0.031	0.031	0.10	N	Yes	1	WET
	Boron	7440-42-8	T	MG/KG		U		0.65	0.65	2.2	N	Yes	1	WET
	Cadmium	7440-43-9	T	MG/KG		U		0.010	0.010	0.093	N	Yes	1	WET
	Calcium	7440-70-2	T	MG/KG	138	J	M+	23.6	23.6	78.8	Y	Yes	1	WET
	Chromium	7440-47-3	T	MG/KG		U		0.082	0.082	0.27	N	Yes	1	WET
	Cobalt	7440-48-4	T	MG/KG	0.067	J	RL	0.018	0.018	0.093	Y	Yes	1	WET
	Copper	7440-50-8	T	MG/KG	1.0			0.26	0.26	0.88	Y	Yes	1	WET
	Lead	7439-92-1	T	MG/KG		U		0.028	0.028	0.093	N	Yes	1	WET
	Lithium	7439-93-2	T	MG/KG		U		0.020	0.020	0.093	N	Yes	1	WET
	Molybdenum	7439-98-7	T	MG/KG	0.046	J	RL	0.033	0.033	0.11	Y	Yes	1	WET
	Nickel	7440-02-0	T	MG/KG		U		0.038	0.038	0.13	N	Yes	1	WET
	Selenium	7782-49-2	T	MG/KG	1.3			0.047	0.047	0.16	Y	Yes	1	WET
	Silver	7440-22-4	T	MG/KG		U		0.010	0.010	0.047	N	Yes	1	WET
	Strontium	7440-24-6	T	MG/KG	0.35	J	RL	0.15	0.15	0.50	Y	Yes	1	WET
	Thallium	7440-28-0	T	MG/KG		U		0.012	0.012	0.093	N	Yes	1	WET
	Vanadium	7440-62-2	T	MG/KG		U		0.031	0.031	0.10	N	Yes	1	WET
	Zinc	7440-66-6	T	MG/KG	33.1			1.3	1.3	4.3	Y	Yes	1	WET
SW-846 7473	Mercury	7439-97-6	T	MG/KG		U*	BL	0.013	0.013	0.025	N	Yes	1	WET

				<b>Lab Sample ID</b>	40197843010									
				<b>Sys Sample Code</b>	JSF-FH-BG-HRU-O-20190507									
				<b>Sample Name</b>	JSF-FH-BG-HRU-O-20190507									
				<b>Sample Date</b>	5/7/2019 12:20:00 PM									
				<b>Location</b>	JSF-HRU									
				<b>Sample Type</b>	N									
				<b>Parent Sample</b>										
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
ASTM D2974-87	Percent Moisture	MOISTURE	N	%	64.5			0.10	0.10	0.10	Y	Yes	1	WET
SW-846 6020A	Antimony	7440-36-0	T	MG/KG		U		0.019	0.019	0.093	N	Yes	1	WET
	Arsenic	7440-38-2	T	MG/KG	0.049	J	RL	0.028	0.028	0.093	Y	Yes	1	WET
	Barium	7440-39-3	T	MG/KG	0.16			0.028	0.028	0.093	Y	Yes	1	WET
	Beryllium	7440-41-7	T	MG/KG		U		0.031	0.031	0.10	N	Yes	1	WET
	Boron	7440-42-8	T	MG/KG		U		0.65	0.65	2.2	N	Yes	1	WET
	Cadmium	7440-43-9	T	MG/KG		U		0.010	0.010	0.093	N	Yes	1	WET
	Calcium	7440-70-2	T	MG/KG	147	J	M+	23.5	23.5	78.4	Y	Yes	1	WET
	Chromium	7440-47-3	T	MG/KG		U		0.082	0.082	0.27	N	Yes	1	WET
	Cobalt	7440-48-4	T	MG/KG	0.042	J	RL	0.018	0.018	0.093	Y	Yes	1	WET
	Copper	7440-50-8	T	MG/KG	1.4			0.26	0.26	0.88	Y	Yes	1	WET
	Lead	7439-92-1	T	MG/KG		U		0.028	0.028	0.093	N	Yes	1	WET
	Lithium	7439-93-2	T	MG/KG		U		0.020	0.020	0.093	N	Yes	1	WET
	Molybdenum	7439-98-7	T	MG/KG	0.041	J	RL	0.033	0.033	0.11	Y	Yes	1	WET
	Nickel	7440-02-0	T	MG/KG		U*	BE	0.046	0.046	0.13	N	Yes	1	WET
	Selenium	7782-49-2	T	MG/KG	1.1			0.047	0.047	0.16	Y	Yes	1	WET
	Silver	7440-22-4	T	MG/KG		U		0.010	0.010	0.046	N	Yes	1	WET
	Strontium	7440-24-6	T	MG/KG	0.31	J	RL	0.15	0.15	0.50	Y	Yes	1	WET
	Thallium	7440-28-0	T	MG/KG		U		0.012	0.012	0.093	N	Yes	1	WET
	Vanadium	7440-62-2	T	MG/KG		U		0.031	0.031	0.10	N	Yes	1	WET
	Zinc	7440-66-6	T	MG/KG	31.8			1.3	1.3	4.3	Y	Yes	1	WET
SW-846 7473	Mercury	7439-97-6	T	MG/KG		U*	BL	0.0095	0.0095	0.025	N	Yes	1	WET

				<b>Lab Sample ID</b>	40197843011									
				<b>Sys Sample Code</b>	JSF-FH-BG-O-DUP01-20190507									
				<b>Sample Name</b>	JSF-FH-BG-O-DUP01-20190507									
				<b>Sample Date</b>	5/7/2019 12:00:00 AM									
				<b>Location</b>	JSF-HRD									
				<b>Sample Type</b>	FD									
				<b>Parent Sample</b>	JSF-FH-BG-HRD-O-20190507									
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
ASTM D2974-87	Percent Moisture	MOISTURE	N	%	66.1			0.10	0.10	0.10	Y	Yes	1	WET
SW-846 6020A	Antimony	7440-36-0	T	MG/KG		U		0.020	0.020	0.094	N	Yes	1	WET
	Arsenic	7440-38-2	T	MG/KG	0.048	J	RL	0.028	0.028	0.094	Y	Yes	1	WET
	Barium	7440-39-3	T	MG/KG	0.15			0.029	0.029	0.094	Y	Yes	1	WET
	Beryllium	7440-41-7	T	MG/KG		U		0.031	0.031	0.10	N	Yes	1	WET
	Boron	7440-42-8	T	MG/KG		U		0.65	0.65	2.2	N	Yes	1	WET
	Cadmium	7440-43-9	T	MG/KG		U		0.010	0.010	0.094	N	Yes	1	WET
	Calcium	7440-70-2	T	MG/KG		U*	BE,M+	134	134	134	N	Yes	1	WET
	Chromium	7440-47-3	T	MG/KG		U		0.083	0.083	0.27	N	Yes	1	WET
	Cobalt	7440-48-4	T	MG/KG	0.049	J	RL	0.018	0.018	0.094	Y	Yes	1	WET
	Copper	7440-50-8	T	MG/KG	1.3			0.27	0.27	0.89	Y	Yes	1	WET
	Lead	7439-92-1	T	MG/KG		U		0.028	0.028	0.094	N	Yes	1	WET
	Lithium	7439-93-2	T	MG/KG		U		0.020	0.020	0.094	N	Yes	1	WET
	Molybdenum	7439-98-7	T	MG/KG	0.039	J	RL	0.034	0.034	0.11	Y	Yes	1	WET
	Nickel	7440-02-0	T	MG/KG		U		0.038	0.038	0.13	N	Yes	1	WET
	Selenium	7782-49-2	T	MG/KG	1.0			0.047	0.047	0.16	Y	Yes	1	WET
	Silver	7440-22-4	T	MG/KG		U		0.010	0.010	0.047	N	Yes	1	WET
	Strontium	7440-24-6	T	MG/KG	0.36	J	RL	0.15	0.15	0.51	Y	Yes	1	WET
	Thallium	7440-28-0	T	MG/KG		U		0.012	0.012	0.094	N	Yes	1	WET
	Vanadium	7440-62-2	T	MG/KG		U		0.031	0.031	0.10	N	Yes	1	WET
	Zinc	7440-66-6	T	MG/KG	30.5			1.3	1.3	4.4	Y	Yes	1	WET
SW-846 7473	Mercury	7439-97-6	T	MG/KG		U*	BL	0.018	0.018	0.025	N	Yes	1	WET

<b>Lab Sample ID</b>	40197843012
<b>Sys Sample Code</b>	JSF-FH-BG-O-DUP02-20190507
<b>Sample Name</b>	JSF-FH-BG-O-DUP02-20190507
<b>Sample Date</b>	5/7/2019 12:00:00 AM
<b>Location</b>	JSF-HRU
<b>Sample Type</b>	FD
<b>Parent Sample</b>	JSF-FH-BG-HRU-O-20190507

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
ASTM D2974-87	Percent Moisture	MOISTURE	N	%	65.5			0.10	0.10	0.10	Y	Yes	1	WET
SW-846 6020A	Antimony	7440-36-0	T	MG/KG		U		0.021	0.021	0.098	N	Yes	1	WET
	Arsenic	7440-38-2	T	MG/KG	0.075	J	RL	0.030	0.030	0.098	Y	Yes	1	WET
	Barium	7440-39-3	T	MG/KG	0.17			0.030	0.030	0.098	Y	Yes	1	WET
	Beryllium	7440-41-7	T	MG/KG		U		0.033	0.033	0.11	N	Yes	1	WET
	Boron	7440-42-8	T	MG/KG		U		0.69	0.69	2.3	N	Yes	1	WET
	Cadmium	7440-43-9	T	MG/KG		U		0.011	0.011	0.098	N	Yes	1	WET
	Calcium	7440-70-2	T	MG/KG		U*	BE,M+	117	117	117	N	Yes	1	WET
	Chromium	7440-47-3	T	MG/KG		UU	L-	0.087	0.087	0.29	N	Yes	1	WET
	Cobalt	7440-48-4	T	MG/KG	0.055	J	RL	0.019	0.019	0.098	Y	Yes	1	WET
	Copper	7440-50-8	T	MG/KG	1.5			0.28	0.28	0.93	Y	Yes	1	WET
	Lead	7439-92-1	T	MG/KG		U		0.030	0.030	0.098	N	Yes	1	WET
	Lithium	7439-93-2	T	MG/KG		U		0.021	0.021	0.098	N	Yes	1	WET
	Molybdenum	7439-98-7	T	MG/KG	0.062	J	RL	0.035	0.035	0.12	Y	Yes	1	WET
	Nickel	7440-02-0	T	MG/KG		U		0.040	0.040	0.14	N	Yes	1	WET
	Selenium	7782-49-2	T	MG/KG	1.5			0.050	0.050	0.17	Y	Yes	1	WET
	Silver	7440-22-4	T	MG/KG		U		0.011	0.011	0.049	N	Yes	1	WET
	Strontium	7440-24-6	T	MG/KG	0.29	J	RL	0.16	0.16	0.53	Y	Yes	1	WET
	Thallium	7440-28-0	T	MG/KG		U		0.013	0.013	0.098	N	Yes	1	WET
	Vanadium	7440-62-2	T	MG/KG		U		0.033	0.033	0.11	N	Yes	1	WET
	Zinc	7440-66-6	T	MG/KG	31.6			1.4	1.4	4.6	Y	Yes	1	WET
SW-846 7473	Mercury	7439-97-6	T	MG/KG		U*	BL	0.022	0.022	0.024	N	Yes	1	WET

				<b>Lab Sample ID</b>	40197843013									
				<b>Sys Sample Code</b>	JSF-FH-BG-HRA1-L-20190522									
				<b>Sample Name</b>	JSF-FH-BG-HRA1-L-20190522									
				<b>Sample Date</b>	5/22/2019 1:10:00 PM									
				<b>Location</b>	JSF-HRA1									
				<b>Sample Type</b>	N									
				<b>Parent Sample</b>										
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
ASTM D2974-87	Percent Moisture	MOISTURE	N	%	78.4			0.10	0.10	0.10	Y	Yes	1	WET
SW-846 6020A	Antimony	7440-36-0	T	MG/KG		U		0.021	0.021	0.10	N	Yes	1	WET
	Arsenic	7440-38-2	T	MG/KG	0.15			0.030	0.030	0.10	Y	Yes	1	WET
	Barium	7440-39-3	T	MG/KG	0.043	J	RL	0.031	0.031	0.10	Y	Yes	1	WET
	Beryllium	7440-41-7	T	MG/KG		U		0.033	0.033	0.11	N	Yes	1	WET
	Boron	7440-42-8	T	MG/KG		U		0.70	0.70	2.3	N	Yes	1	WET
	Cadmium	7440-43-9	T	MG/KG	0.041	J	RL	0.011	0.011	0.10	Y	Yes	1	WET
	Calcium	7440-70-2	T	MG/KG		U*	BE,M+	122	122	122	N	Yes	1	WET
	Chromium	7440-47-3	T	MG/KG		U		0.088	0.088	0.29	N	Yes	1	WET
	Cobalt	7440-48-4	T	MG/KG	0.18			0.019	0.019	0.10	Y	Yes	1	WET
	Copper	7440-50-8	T	MG/KG	1.4			0.28	0.28	0.95	Y	Yes	1	WET
	Lead	7439-92-1	T	MG/KG		U		0.030	0.030	0.10	N	Yes	1	WET
	Lithium	7439-93-2	T	MG/KG		U		0.021	0.021	0.10	N	Yes	1	WET
	Molybdenum	7439-98-7	T	MG/KG	0.17			0.036	0.036	0.12	Y	Yes	1	WET
	Nickel	7440-02-0	T	MG/KG		U		0.041	0.041	0.14	N	Yes	1	WET
	Selenium	7782-49-2	T	MG/KG	1.0			0.051	0.051	0.17	Y	Yes	1	WET
	Silver	7440-22-4	T	MG/KG		U		0.011	0.011	0.050	N	Yes	1	WET
	Strontium	7440-24-6	T	MG/KG		U		0.16	0.16	0.54	N	Yes	1	WET
	Thallium	7440-28-0	T	MG/KG		U		0.013	0.013	0.10	N	Yes	1	WET
	Vanadium	7440-62-2	T	MG/KG	0.065	J	RL	0.033	0.033	0.11	Y	Yes	1	WET
	Zinc	7440-66-6	T	MG/KG	23.3			1.4	1.4	4.6	Y	Yes	1	WET
SW-846 7473	Mercury	7439-97-6	T	MG/KG	0.091			0.0075	0.0075	0.025	Y	Yes	1	WET

				<b>Lab Sample ID</b>	40197843014									
				<b>Sys Sample Code</b>	JSF-FH-BG-HRA2-L-20190507									
				<b>Sample Name</b>	JSF-FH-BG-HRA2-L-20190507									
				<b>Sample Date</b>	5/7/2019 6:07:00 PM									
				<b>Location</b>	JSF-HRA2									
				<b>Sample Type</b>	N									
				<b>Parent Sample</b>										
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
ASTM D2974-87	Percent Moisture	MOISTURE	N	%	77.9			0.10	0.10	0.10	Y	Yes	1	WET
SW-846 6020A	Antimony	7440-36-0	T	MG/KG		U		0.019	0.019	0.092	N	Yes	1	WET
	Arsenic	7440-38-2	T	MG/KG	0.11			0.028	0.028	0.092	Y	Yes	1	WET
	Barium	7440-39-3	T	MG/KG	0.050	J	RL	0.028	0.028	0.092	Y	Yes	1	WET
	Beryllium	7440-41-7	T	MG/KG		U		0.030	0.030	0.10	N	Yes	1	WET
	Boron	7440-42-8	T	MG/KG		U		0.64	0.64	2.1	N	Yes	1	WET
	Cadmium	7440-43-9	T	MG/KG	0.13			0.010	0.010	0.092	Y	Yes	1	WET
	Calcium	7440-70-2	T	MG/KG		U*	BE,M+	133	133	133	N	Yes	1	WET
	Chromium	7440-47-3	T	MG/KG		UJ	L-	0.081	0.081	0.27	N	Yes	1	WET
	Cobalt	7440-48-4	T	MG/KG	0.20			0.017	0.017	0.092	Y	Yes	1	WET
	Copper	7440-50-8	T	MG/KG	1.4			0.26	0.26	0.87	Y	Yes	1	WET
	Lead	7439-92-1	T	MG/KG		U		0.028	0.028	0.092	N	Yes	1	WET
	Lithium	7439-93-2	T	MG/KG		U		0.020	0.020	0.092	N	Yes	1	WET
	Molybdenum	7439-98-7	T	MG/KG	0.16			0.033	0.033	0.11	Y	Yes	1	WET
	Nickel	7440-02-0	T	MG/KG		U*	BE	0.042	0.042	0.13	N	Yes	1	WET
	Selenium	7782-49-2	T	MG/KG	2.8			0.047	0.047	0.16	Y	Yes	1	WET
	Silver	7440-22-4	T	MG/KG		U		0.010	0.010	0.046	N	Yes	1	WET
	Strontium	7440-24-6	T	MG/KG	0.15	J	RL	0.15	0.15	0.50	Y	Yes	1	WET
	Thallium	7440-28-0	T	MG/KG	0.025	J	RL	0.012	0.012	0.092	Y	Yes	1	WET
	Vanadium	7440-62-2	T	MG/KG	0.10			0.031	0.031	0.10	Y	Yes	1	WET
	Zinc	7440-66-6	T	MG/KG	20.6			1.3	1.3	4.3	Y	Yes	1	WET
SW-846 7473	Mercury	7439-97-6	T	MG/KG	0.089			0.0075	0.0075	0.025	Y	Yes	1	WET

				<b>Lab Sample ID</b>	40197843015									
				<b>Sys Sample Code</b>	JSF-FH-BG-HRD-L-20190507									
				<b>Sample Name</b>	JSF-FH-BG-HRD-L-20190507									
				<b>Sample Date</b>	5/7/2019 3:30:00 PM									
				<b>Location</b>	JSF-HRD									
				<b>Sample Type</b>	N									
				<b>Parent Sample</b>										
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
ASTM D2974-87	Percent Moisture	MOISTURE	N	%	78.4			0.10	0.10	0.10	Y	Yes	1	WET
SW-846 6020A	Antimony	7440-36-0	T	MG/KG		U		0.019	0.019	0.092	N	Yes	1	WET
	Arsenic	7440-38-2	T	MG/KG	0.12			0.028	0.028	0.092	Y	Yes	1	WET
	Barium	7440-39-3	T	MG/KG	0.031	J	RL	0.028	0.028	0.092	Y	Yes	1	WET
	Beryllium	7440-41-7	T	MG/KG		U		0.030	0.030	0.10	N	Yes	1	WET
	Boron	7440-42-8	T	MG/KG		U		0.64	0.64	2.1	N	Yes	1	WET
	Cadmium	7440-43-9	T	MG/KG	0.13			0.010	0.010	0.092	Y	Yes	1	WET
	Calcium	7440-70-2	T	MG/KG		U*	BE,M+	75.0	75.0	77.5	N	Yes	1	WET
	Chromium	7440-47-3	T	MG/KG		U		0.081	0.081	0.27	N	Yes	1	WET
	Cobalt	7440-48-4	T	MG/KG	0.22			0.017	0.017	0.092	Y	Yes	1	WET
	Copper	7440-50-8	T	MG/KG	1.5			0.26	0.26	0.87	Y	Yes	1	WET
	Lead	7439-92-1	T	MG/KG		U		0.027	0.027	0.092	N	Yes	1	WET
	Lithium	7439-93-2	T	MG/KG		U		0.019	0.019	0.092	N	Yes	1	WET
	Molybdenum	7439-98-7	T	MG/KG	0.16			0.033	0.033	0.11	Y	Yes	1	WET
	Nickel	7440-02-0	T	MG/KG		U		0.038	0.038	0.13	N	Yes	1	WET
	Selenium	7782-49-2	T	MG/KG	1.8			0.046	0.046	0.16	Y	Yes	1	WET
	Silver	7440-22-4	T	MG/KG		U		0.010	0.010	0.046	N	Yes	1	WET
	Strontium	7440-24-6	T	MG/KG		U		0.15	0.15	0.49	N	Yes	1	WET
	Thallium	7440-28-0	T	MG/KG	0.023	J	RL	0.012	0.012	0.092	Y	Yes	1	WET
	Vanadium	7440-62-2	T	MG/KG	0.12			0.030	0.030	0.10	Y	Yes	1	WET
	Zinc	7440-66-6	T	MG/KG	22.0			1.3	1.3	4.3	Y	Yes	1	WET
SW-846 7473	Mercury	7439-97-6	T	MG/KG	0.10			0.0076	0.0076	0.025	Y	Yes	1	WET

				<b>Lab Sample ID</b>	40197843016									
				<b>Sys Sample Code</b>	JSF-FH-BG-HRU-L-20190507									
				<b>Sample Name</b>	JSF-FH-BG-HRU-L-20190507									
				<b>Sample Date</b>	5/7/2019 12:20:00 PM									
				<b>Location</b>	JSF-HRU									
				<b>Sample Type</b>	N									
				<b>Parent Sample</b>										
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
ASTM D2974-87	Percent Moisture	MOISTURE	N	%	76.4			0.10	0.10	0.10	Y	Yes	1	WET
SW-846 6020A	Antimony	7440-36-0	T	MG/KG		U		0.019	0.019	0.092	N	Yes	1	WET
	Arsenic	7440-38-2	T	MG/KG	0.14			0.028	0.028	0.092	Y	Yes	1	WET
	Barium	7440-39-3	T	MG/KG	0.057	J	RL	0.028	0.028	0.092	Y	Yes	1	WET
	Beryllium	7440-41-7	T	MG/KG		U		0.030	0.030	0.10	N	Yes	1	WET
	Boron	7440-42-8	T	MG/KG		U		0.64	0.64	2.1	N	Yes	1	WET
	Cadmium	7440-43-9	T	MG/KG	0.15			0.010	0.010	0.092	Y	Yes	1	WET
	Calcium	7440-70-2	T	MG/KG		U*	BE,M+	107	107	107	N	Yes	1	WET
	Chromium	7440-47-3	T	MG/KG		U		0.081	0.081	0.27	N	Yes	1	WET
	Cobalt	7440-48-4	T	MG/KG	0.15			0.017	0.017	0.092	Y	Yes	1	WET
	Copper	7440-50-8	T	MG/KG	1.3			0.26	0.26	0.87	Y	Yes	1	WET
	Lead	7439-92-1	T	MG/KG		U		0.028	0.028	0.092	N	Yes	1	WET
	Lithium	7439-93-2	T	MG/KG		U		0.019	0.019	0.092	N	Yes	1	WET
	Molybdenum	7439-98-7	T	MG/KG	0.19			0.033	0.033	0.11	Y	Yes	1	WET
	Nickel	7440-02-0	T	MG/KG		U*	BE	0.039	0.039	0.13	N	Yes	1	WET
	Selenium	7782-49-2	T	MG/KG	1.6			0.046	0.046	0.16	Y	Yes	1	WET
	Silver	7440-22-4	T	MG/KG		U		0.010	0.010	0.046	N	Yes	1	WET
	Strontium	7440-24-6	T	MG/KG		U		0.15	0.15	0.50	N	Yes	1	WET
	Thallium	7440-28-0	T	MG/KG	0.021	J	RL	0.012	0.012	0.092	Y	Yes	1	WET
	Vanadium	7440-62-2	T	MG/KG	0.064	J	RL	0.031	0.031	0.10	Y	Yes	1	WET
	Zinc	7440-66-6	T	MG/KG	22.2			1.3	1.3	4.3	Y	Yes	1	WET
SW-846 7473	Mercury	7439-97-6	T	MG/KG	0.20			0.0073	0.0073	0.024	Y	Yes	1	WET

				<b>Lab Sample ID</b>	40197843017									
				<b>Sys Sample Code</b>	JSF-FH-BG-L-DUP01-20190507									
				<b>Sample Name</b>	JSF-FH-BG-L-DUP01-20190507									
				<b>Sample Date</b>	5/7/2019 12:00:00 AM									
				<b>Location</b>	JSF-HRD									
				<b>Sample Type</b>	FD									
				<b>Parent Sample</b>	JSF-FH-BG-HRD-L-20190507									
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
ASTM D2974-87	Percent Moisture	MOISTURE	N	%	78.5			0.10	0.10	0.10	Y	Yes	1	WET
SW-846 6020A	Antimony	7440-36-0	T	MG/KG		U		0.020	0.020	0.096	N	Yes	1	WET
	Arsenic	7440-38-2	T	MG/KG	0.14			0.029	0.029	0.096	Y	Yes	1	WET
	Barium	7440-39-3	T	MG/KG	0.034	J	RL	0.029	0.029	0.096	Y	Yes	1	WET
	Beryllium	7440-41-7	T	MG/KG		U		0.032	0.032	0.11	N	Yes	1	WET
	Boron	7440-42-8	T	MG/KG		U		0.67	0.67	2.2	N	Yes	1	WET
	Cadmium	7440-43-9	T	MG/KG	0.13			0.011	0.011	0.096	Y	Yes	1	WET
	Calcium	7440-70-2	T	MG/KG		U*	BE,M+	78.5	78.5	81.4	N	Yes	1	WET
	Chromium	7440-47-3	T	MG/KG		U		0.085	0.085	0.28	N	Yes	1	WET
	Cobalt	7440-48-4	T	MG/KG	0.17			0.018	0.018	0.096	Y	Yes	1	WET
	Copper	7440-50-8	T	MG/KG	1.4			0.27	0.27	0.91	Y	Yes	1	WET
	Lead	7439-92-1	T	MG/KG		U		0.029	0.029	0.096	N	Yes	1	WET
	Lithium	7439-93-2	T	MG/KG		U		0.020	0.020	0.096	N	Yes	1	WET
	Molybdenum	7439-98-7	T	MG/KG	0.17			0.034	0.034	0.12	Y	Yes	1	WET
	Nickel	7440-02-0	T	MG/KG		U*	BE	0.040	0.040	0.13	N	Yes	1	WET
	Selenium	7782-49-2	T	MG/KG	1.6			0.049	0.049	0.16	Y	Yes	1	WET
	Silver	7440-22-4	T	MG/KG		U		0.011	0.011	0.048	N	Yes	1	WET
	Strontium	7440-24-6	T	MG/KG		U		0.15	0.15	0.52	N	Yes	1	WET
	Thallium	7440-28-0	T	MG/KG	0.016	J	RL	0.012	0.012	0.096	Y	Yes	1	WET
	Vanadium	7440-62-2	T	MG/KG	0.12			0.032	0.032	0.11	Y	Yes	1	WET
	Zinc	7440-66-6	T	MG/KG	23.8			1.3	1.3	4.5	Y	Yes	1	WET
SW-846 7473	Mercury	7439-97-6	T	MG/KG	0.12			0.0076	0.0076	0.025	Y	Yes	1	WET

Lab Sample ID	40197843018
Sys Sample Code	JSF-FH-BG-L-DUP02-20190507
Sample Name	JSF-FH-BG-L-DUP02-20190507
Sample Date	5/7/2019 12:00:00 AM
Location	JSF-HRU
Sample Type	FD
Parent Sample	JSF-FH-BG-HRU-L-20190507

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
ASTM D2974-87	Percent Moisture	MOISTURE	N	%	78.1			0.10	0.10	0.10	Y	Yes	1	WET
SW-846 6020A	Antimony	7440-36-0	T	MG/KG		U		0.021	0.021	0.098	N	Yes	1	WET
	Arsenic	7440-38-2	T	MG/KG	0.21			0.030	0.030	0.098	Y	Yes	1	WET
	Barium	7440-39-3	T	MG/KG	0.037	J	RL	0.030	0.030	0.098	Y	Yes	1	WET
	Beryllium	7440-41-7	T	MG/KG		U		0.033	0.033	0.11	N	Yes	1	WET
	Boron	7440-42-8	T	MG/KG		U		0.69	0.69	2.3	N	Yes	1	WET
	Cadmium	7440-43-9	T	MG/KG	0.14			0.011	0.011	0.098	Y	Yes	1	WET
	Calcium	7440-70-2	T	MG/KG		U*	BE,M+	106	106	106	N	Yes	1	WET
	Chromium	7440-47-3	T	MG/KG		U		0.087	0.087	0.29	N	Yes	1	WET
	Cobalt	7440-48-4	T	MG/KG	0.28			0.019	0.019	0.098	Y	Yes	1	WET
	Copper	7440-50-8	T	MG/KG	1.5			0.28	0.28	0.93	Y	Yes	1	WET
	Lead	7439-92-1	T	MG/KG		U		0.029	0.029	0.098	N	Yes	1	WET
	Lithium	7439-93-2	T	MG/KG		U		0.021	0.021	0.098	N	Yes	1	WET
	Molybdenum	7439-98-7	T	MG/KG	0.19			0.035	0.035	0.12	Y	Yes	1	WET
	Nickel	7440-02-0	T	MG/KG		U*	BE	0.043	0.043	0.14	N	Yes	1	WET
	Selenium	7782-49-2	T	MG/KG	2.4			0.050	0.050	0.17	Y	Yes	1	WET
	Silver	7440-22-4	T	MG/KG		U		0.011	0.011	0.049	N	Yes	1	WET
	Strontium	7440-24-6	T	MG/KG		U		0.16	0.16	0.53	N	Yes	1	WET
	Thallium	7440-28-0	T	MG/KG	0.018	J	RL	0.013	0.013	0.098	Y	Yes	1	WET
	Vanadium	7440-62-2	T	MG/KG	0.080	J	RL	0.033	0.033	0.11	Y	Yes	1	WET
	Zinc	7440-66-6	T	MG/KG	23.7			1.4	1.4	4.6	Y	Yes	1	WET
SW-846 7473	Mercury	7439-97-6	T	MG/KG	0.21			0.0075	0.0075	0.025	Y	Yes	1	WET

				<b>Lab Sample ID</b>	40197843019									
				<b>Sys Sample Code</b>	JSF-FH-CC-HRA1-F-20190507									
				<b>Sample Name</b>	JSF-FH-CC-HRA1-F-20190507									
				<b>Sample Date</b>	5/7/2019 6:57:00 PM									
				<b>Location</b>	JSF-HRA1									
				<b>Sample Type</b>	N									
				<b>Parent Sample</b>										
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
ASTM D2974-87	Percent Moisture	MOISTURE	N	%	80.6			0.10	0.10	0.10	Y	Yes	1	WET
SW-846 6020A	Antimony	7440-36-0	T	MG/KG		U		0.021	0.021	0.099	N	Yes	1	WET
	Arsenic	7440-38-2	T	MG/KG		U		0.030	0.030	0.099	N	Yes	1	WET
	Barium	7440-39-3	T	MG/KG		U		0.030	0.030	0.099	N	Yes	1	WET
	Beryllium	7440-41-7	T	MG/KG		U		0.033	0.033	0.11	N	Yes	1	WET
	Boron	7440-42-8	T	MG/KG		U		0.69	0.69	2.3	N	Yes	1	WET
	Cadmium	7440-43-9	T	MG/KG		U		0.011	0.011	0.099	N	Yes	1	WET
	Calcium	7440-70-2	T	MG/KG		U*	BE,M+	74.6	74.6	83.6	N	Yes	1	WET
	Chromium	7440-47-3	T	MG/KG		U		0.087	0.087	0.29	N	Yes	1	WET
	Cobalt	7440-48-4	T	MG/KG		U		0.019	0.019	0.099	N	Yes	1	WET
	Copper	7440-50-8	T	MG/KG		U		0.28	0.28	0.94	N	Yes	1	WET
	Lead	7439-92-1	T	MG/KG		U		0.030	0.030	0.099	N	Yes	1	WET
	Lithium	7439-93-2	T	MG/KG		U		0.021	0.021	0.099	N	Yes	1	WET
	Molybdenum	7439-98-7	T	MG/KG		U		0.035	0.035	0.12	N	Yes	1	WET
	Nickel	7440-02-0	T	MG/KG		U		0.041	0.041	0.14	N	Yes	1	WET
	Selenium	7782-49-2	T	MG/KG	0.13			0.050	0.050	0.17	Y	Yes	1	WET
	Silver	7440-22-4	T	MG/KG		U		0.011	0.011	0.049	N	Yes	1	WET
	Strontium	7440-24-6	T	MG/KG		U		0.16	0.16	0.53	N	Yes	1	WET
	Thallium	7440-28-0	T	MG/KG		U		0.013	0.013	0.099	N	Yes	1	WET
	Vanadium	7440-62-2	T	MG/KG		U		0.033	0.033	0.11	N	Yes	1	WET
	Zinc	7440-66-6	T	MG/KG	5.4			1.4	1.4	4.6	Y	Yes	1	WET
SW-846 7473	Mercury	7439-97-6	T	MG/KG	0.25	J	M+	0.0070	0.0070	0.023	Y	Yes	1	WET

				<b>Lab Sample ID</b>	40197843020									
				<b>Sys Sample Code</b>	JSF-FH-CC-HRA2-F-20190611									
				<b>Sample Name</b>	JSF-FH-CC-HRA2-F-20190611									
				<b>Sample Date</b>	6/11/2019 4:45:00 PM									
				<b>Location</b>	JSF-HRA2									
				<b>Sample Type</b>	N									
				<b>Parent Sample</b>										
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
ASTM D2974-87	Percent Moisture	MOISTURE	N	%	81.0			0.10	0.10	0.10	Y	Yes	1	WET
SW-846 6020A	Antimony	7440-36-0	T	MG/KG		U		0.020	0.020	0.096	N	Yes	1	WET
	Arsenic	7440-38-2	T	MG/KG		U		0.029	0.029	0.096	N	Yes	1	WET
	Barium	7440-39-3	T	MG/KG		U		0.029	0.029	0.096	N	Yes	1	WET
	Beryllium	7440-41-7	T	MG/KG		U		0.032	0.032	0.11	N	Yes	1	WET
	Boron	7440-42-8	T	MG/KG		U		0.67	0.67	2.2	N	Yes	1	WET
	Cadmium	7440-43-9	T	MG/KG		U		0.011	0.011	0.096	N	Yes	1	WET
	Calcium	7440-70-2	T	MG/KG	156	J	M+	24.4	24.4	81.2	Y	Yes	1	WET
	Chromium	7440-47-3	T	MG/KG		U		0.085	0.085	0.28	N	Yes	1	WET
	Cobalt	7440-48-4	T	MG/KG	0.024	J	RL	0.018	0.018	0.096	Y	Yes	1	WET
	Copper	7440-50-8	T	MG/KG		U		0.27	0.27	0.91	N	Yes	1	WET
	Lead	7439-92-1	T	MG/KG		U		0.029	0.029	0.096	N	Yes	1	WET
	Lithium	7439-93-2	T	MG/KG		U		0.020	0.020	0.096	N	Yes	1	WET
	Molybdenum	7439-98-7	T	MG/KG		U		0.034	0.034	0.12	N	Yes	1	WET
	Nickel	7440-02-0	T	MG/KG		U		0.039	0.039	0.13	N	Yes	1	WET
	Selenium	7782-49-2	T	MG/KG	0.15			0.049	0.049	0.16	Y	Yes	1	WET
	Silver	7440-22-4	T	MG/KG		U		0.011	0.011	0.048	N	Yes	1	WET
	Strontium	7440-24-6	T	MG/KG	0.16	J	RL	0.15	0.15	0.52	Y	Yes	1	WET
	Thallium	7440-28-0	T	MG/KG		U		0.012	0.012	0.096	N	Yes	1	WET
	Vanadium	7440-62-2	T	MG/KG		U		0.032	0.032	0.11	N	Yes	1	WET
	Zinc	7440-66-6	T	MG/KG	6.1			1.3	1.3	4.5	Y	Yes	1	WET
SW-846 7473	Mercury	7439-97-6	T	MG/KG	0.19	J	M+	0.0073	0.0073	0.024	Y	Yes	1	WET

	<b>Lab Sample ID</b>	40197843021												
	<b>Sys Sample Code</b>	RINSE BLANK A 11-18-19												
	<b>Sample Name</b>	RINSE BLANK A 11-18-19												
	<b>Sample Date</b>	11/18/2019 12:00:00 AM												
	<b>Location</b>													
	<b>Sample Type</b>	RB												
	<b>Parent Sample</b>													
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SW-846 6020A	Antimony	7440-36-0	T	MG/KG		U		0.021	0.021	0.098	N	Yes	1	WET
	Arsenic	7440-38-2	T	MG/KG		U		0.030	0.030	0.098	N	Yes	1	WET
	Barium	7440-39-3	T	MG/KG		U		0.030	0.030	0.098	N	Yes	1	WET
	Beryllium	7440-41-7	T	MG/KG		U		0.032	0.032	0.11	N	Yes	1	WET
	Boron	7440-42-8	T	MG/KG		U		0.69	0.69	2.3	N	Yes	1	WET
	Cadmium	7440-43-9	T	MG/KG		U		0.011	0.011	0.098	N	Yes	1	WET
	Calcium	7440-70-2	T	MG/KG		U		24.9	24.9	83.1	N	Yes	1	WET
	Chromium	7440-47-3	T	MG/KG		U		0.087	0.087	0.28	N	Yes	1	WET
	Cobalt	7440-48-4	T	MG/KG		U		0.019	0.019	0.098	N	Yes	1	WET
	Copper	7440-50-8	T	MG/KG		U		0.28	0.28	0.93	N	Yes	1	WET
	Lead	7439-92-1	T	MG/KG		U		0.029	0.029	0.098	N	Yes	1	WET
	Lithium	7439-93-2	T	MG/KG		U		0.021	0.021	0.098	N	Yes	1	WET
	Molybdenum	7439-98-7	T	MG/KG		U		0.035	0.035	0.12	N	Yes	1	WET
	Nickel	7440-02-0	T	MG/KG		U		0.040	0.040	0.14	N	Yes	1	WET
	Selenium	7782-49-2	T	MG/KG		U		0.050	0.050	0.17	N	Yes	1	WET
	Silver	7440-22-4	T	MG/KG		U		0.011	0.011	0.049	N	Yes	1	WET
	Strontium	7440-24-6	T	MG/KG		U		0.16	0.16	0.53	N	Yes	1	WET
	Thallium	7440-28-0	T	MG/KG		U		0.013	0.013	0.098	N	Yes	1	WET
	Vanadium	7440-62-2	T	MG/KG		U		0.033	0.033	0.11	N	Yes	1	WET
	Zinc	7440-66-6	T	MG/KG		U		1.4	1.4	4.6	N	Yes	1	WET
SW-846 7473	Mercury	7439-97-6	T	MG/KG		U		0.0075	0.0075	0.025	N	Yes	1	WET