

Hematite Decommissioning Project	Procedure: HDP-PR-FSS-703, Final Status Survey Quality Control										
									Revision: 2	Page 1 of 1	

**FORM HDP-PR-FSS-703-1
FIELD DUPLICATE SAMPLE ASSESSMENT**

Survey Unit No.:	LSA 08-10				Survey Unit Description:	Central Open Land Area in "Area 6"						
Sample ID	Field Duplicate Sample ID	Radionuclide	Sample (pCi/g)		Field Duplicate Sample (pCi/g)		Average Activity (\bar{x}) (pCi/g)	Nuclide DCGL (pCi/g)	Statistic ²	Warning Limit	Control Limit	Statistic Exceeds Limit? (Y/N)
			Activity (x_i)	MDC	Activity (x_i)	MDC						
L08-10-16-T-S-S-00	L08-10-16-T-S-Q-00	Ra-226	0.532	0.129	0.8	0.0603	0.666	1.9	0.268	0.269	0.403	N
L08-10-16-T-S-S-00	L08-10-16-T-S-Q-00	Tc-99	1.87	0.215	3.86	0.22	2.865	25.1	1.99	3.552	5.321	N
L08-10-16-T-S-S-00	L08-10-16-T-S-Q-00	Th-232	0.73	0.0843	0.718	0.0765	0.724	2.0	0.012	0.283	0.424	N
L08-10-16-T-S-S-00	L08-10-16-T-S-Q-00	U-234 ¹	0.445	N/A	4.189	N/A	2.317	195.4	3.744	27.649	41.425	N
L08-10-16-T-S-S-00	L08-10-16-T-S-Q-00	U-235	0.0167	0.411	0.231	0.164	0.124	51.6	NA	7.301	10.939	NA
L08-10-16-T-S-S-00	L08-10-16-T-S-Q-00	U-238	0.887	0.672	0.999	0.725	0.943	168.8	0.112	23.885	35.786	N

Comments:

- U-234 is inferred, no MDC available.
- Duplicate assessment is not necessary if the result of either sample is < MDC.

Performed by: _____

Reviewed by: _____

Date: _____

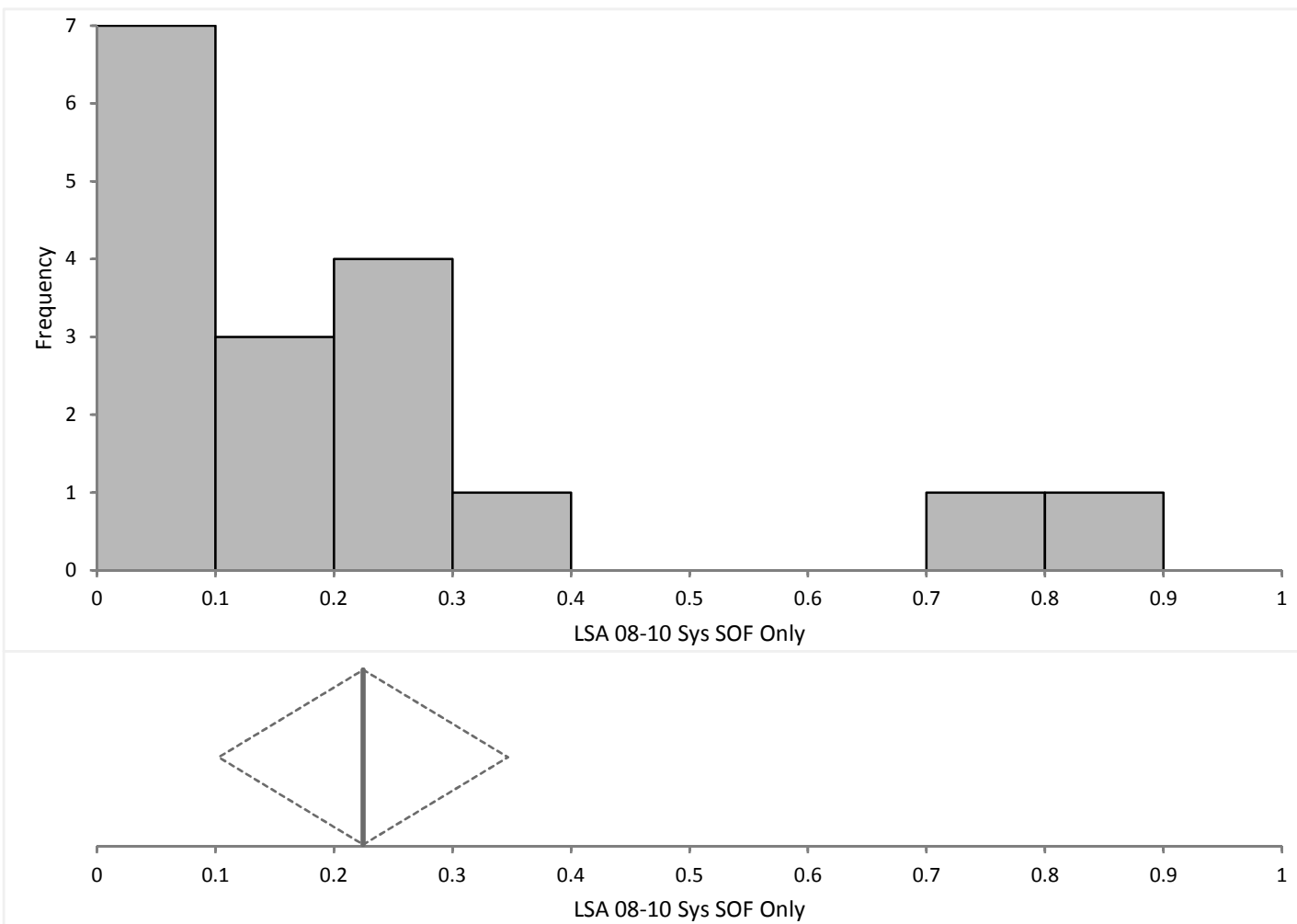
Date: _____

Quality Record

LSA 08-10 Sys SOF Only

0.0
0.0
0.1
0.4
0.3
0.2
0.1
0.9
0.2
0.3
0.1
0.7
0.2
0.1
0.0
0.0
0.3

Descriptives



N | 17

	Mean	95% CI	Mean SE	SD	Variance
LSA 08-10 Sys SOF Only	0.22	0.10 to 0.35	0.058	0.24	0.06
	Minimum	1st quartile	Median	95.1% CI	3rd quartile
LSA 08-10 Sys SOF Only	0.0	0.07	0.18	0.08 to 0.26	0.27

Skewness	Kurtosis
1.8	2.86

Maximum	IQR
0.9	0.20