Facility: Cumberland Fossil Plant
SDG: 160430301

Lab Sample ID	160-43030-1
Sys Sample	CUF-SED-UT0.5-CORCC-0.0/0.4-20210729
Sample Name	CUF-SED-UT0.5-CORCC-0.0/0.4-20210729
Sample Date	7/29/2021 12:35:00 PM
Location	UT0.5-CC / UT0.5
Sample Type	N
Matrix	SED
Parent Sample	

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
EPA 901.1	Radium 226 + radium 228	RA226/228	T	pCi/g	2.64	J	ZZ	0.538				Y	Yes	1	NA
	Radium 228	15262-20-1	T	pCi/g	1.47			0.415	0.302	0.302	1.00	Y	Yes	1	NA
	Radium-226	13982-63-3	T	pCi/g	1.17	J	ZZ	0.342	0.318	0.318	1.00	Y	Yes	1	NA

Lab Sample ID	160-43030-2
Sys Sample	CUF-SED-UT0.5-CORLB-0.0/0.3-20210729
Sample Name	CUF-SED-UT0.5-CORLB-0.0/0.3-20210729
Sample Date	7/29/2021 2:45:00 PM
Location	UT0.5-LB / UT0.5
Sample Type	N
Matrix	SED
Parent Sample	

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
EPA 901.1	Radium 226 + radium 228	RA226/228	T	pCi/g	2.48	J	ZZ	0.615				Y	Yes	1	NA
	Radium 228	15262-20-1	T	pCi/g	1.35	J	ZZ	0.479	0.554	0.554	1.00	Y	Yes	1	NA
	Radium-226	13982-63-3	T	pCi/g	1.13	J	ZZ	0.385	0.452	0.452	1.00	Y	Yes	1	NA

Lab Sample ID	160-43030-3
Sys Sample	CUF-SED-UT0.5-DUP01-20210729
Sample Name	CUF-SED-UT0.5-DUP01-20210729
Sample Date	7/29/2021 12:00:00 AM
Location	UT0.5-CC / UT0.5
Sample Type	FD
Matrix	SED
Parent Sample	CUF-SED-UT0.5-CORCC-0.0/0.4-20210729

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
EPA 901.1	Radium 226 + radium 228	RA226/228	T	pCi/g	2.63	J	S,ZZ	0.985				Y	Yes	1	NA
	Radium 228	15262-20-1	T	pCi/g	0.902	UJ	ZZ	0.798	1.00	1.00	1.00	N	Yes	1	NA
	Radium-226	13982-63-3	T	pCi/g	1.73	J	ZZ	0.577	0.553	0.553	1.00	Y	Yes	1	NA

Lab Sample ID	160-43030-4
Sys Sample	CUF-SED-UT0.5-FB01-20210729
Sample Name	CUF-SED-UT0.5-FB01-20210729
Sample Date	7/29/2021 3:40:00 PM
Location	UT0.5 / UT0.5
Sample Type	FB
Matrix	WQ
Parent Sample	

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
EPA 901.1	Radium 226 + radium 228	RA226/228	T	pCi/L	50.8	J	S	34.3				Y	Yes	1	NA
	Radium 228	15262-20-1	T	pCi/L	17.9	U		28.1	35.0	35.0	50.0	N	Yes	1	NA
	Radium-226	13982-63-3	T	pCi/L	32.9			19.7	20.9	20.9	50.0	Y	Yes	1	NA

Lab Sample ID	160-43030-5
Sys Sample	CUF-SED-UT0.5-EB01-20210729
Sample Name	CUF-SED-UT0.5-EB01-20210729
Sample Date	7/29/2021 3:45:00 PM
Location	UT0.5 / UT0.5
Sample Type	EB
Matrix	WQ
Parent Sample	

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
EPA 901.1	Radium 226 + radium 228	RA226/228	T	pCi/L	40.6	J	S	23.5				Y	Yes	1	NA
	Radium 228	15262-20-1	T	pCi/L	25.2			22.5	24.0	24.0	50.0	Y	Yes	1	NA
	Radium-226	13982-63-3	T	pCi/L	15.4	U		6.67	44.9	44.9	50.0	N	Yes	1	NA

Lab Sample ID	160-43030-6
Sys Sample	CUF-SED-UT0.5-EB01-20210730
Sample Name	CUF-SED-UT0.5-EB01-20210730
Sample Date	7/30/2021 1:10:00 PM
Location	UT0.5 / UT0.5
Sample Type	EB
Matrix	WQ
Parent Sample	

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
EPA 901.1	Radium 226 + radium 228	RA226/228	T	pCi/L	27.6	U		29.0				N	Yes	1	NA
	Radium 228	15262-20-1	T	pCi/L	13.9	U		24.1	27.2	27.2	50.0	N	Yes	1	NA
	Radium-226	13982-63-3	T	pCi/L	13.7	U		16.2	20.2	20.2	50.0	N	Yes	1	NA