Table C-3 Phase 1 RI Sediment Exeedances

Sample Location	Sample Number	Media	Date Collected	Analyte	Concentration	Unit	Qualifier	[1,2]Human Health SL (mg/kg)	[3]Human Health SL Exceedance	[4]Ecological SL (mg/kg)	[3]Ecological SL Exceedance
LSED-1	LSED-1-0.0-0.5	Sediment	5/15/2019	Fluoranthene	0.637	mg/kg		2400	----	0.423	1.51
				Lead	56.6	mg/kg		400	----	35.8	1.58
				Manganese	531	mg/kg		1800	----	460	1.15
				Pyrene	0.71	mg/kg		1800	----	0.20	3.55
				Zinc	128	mg/kg	J	23000	----	121	1.06
LSED-2	LSED-2-0.0-0.5	Sediment	5/14/2019	Arsenic	6.9	mg/kg		6.8	1.01	9.79	----
				Lead	68.6	mg/kg		400	----	35.8	1.92
				Manganese	736	mg/kg		1800	----	460	1.60
LSED-3	LSED-3-0.0-0.5	Sediment	5/16/2019	Manganese	611	mg/kg		1800	----	460	1.33
	LSED-3-0.0-0.5-D	Sediment	5/16/2019	Manganese	670	mg/kg		1800	----	460	1.46
LSED-4	LSED-4-0.0-0.5	Sediment	5/16/2019	Manganese	645	mg/kg		1800	----	460	1.40
				Nickel	55.9	mg/kg		1500	----	22.7	2.46
LSED-5	LSED-5-0.0-0.5	Sediment	5/16/2019	Lead	64.1	mg/kg		400	----	35.8	1.79
				Zinc	151	mg/kg	J	23000	----	121	1.25
LSED-6	LSED-6-0.0-0.5	Sediment	5/16/2019	Manganese	653	mg/kg		1800	----	460	1.42
LSED-7	LSED-7-0.0-0.5	Sediment	5/16/2019	Manganese	787	mg/kg		1800	----	460	1.71
LSED-8	LSED-8-0.0-0.5	Sediment	5/16/2019	Manganese	611	mg/kg		1800	----	460	1.33
LSED-9	LSED-9-0.0-0.5	Sediment	5/15/2019	Chromium	79.1	mg/kg		120000	----	43.4	1.82
				Chromium (hexavalent)	5.1	mg/kg		3	1.70	----	----
				Lead	43.7	mg/kg		400	----	35.8	1.22
				Manganese	1240	mg/kg		1800	----	460	2.70
LSED-10	LSED-10-0.0-0.5	Sediment	5/14/2019	Manganese	505	mg/kg		1800	----	460	1.10
LSED-11	LSED-11-0.0-0.5	Sediment	5/14/2019	Lead	56.2	mg/kg		400	----	35.8	1.57
				Manganese	487	mg/kg		1800	----	460	1.06
LSED-12	LSED-12-0.0-0.5	Sediment	5/17/2019	Arsenic	7.6	mg/kg		6.8	1.12	9.79	----
				Chromium (hexavalent)	3.2	mg/kg		3	1.07	----	----
				Manganese	746	mg/kg		1800	----	460	1.62
LSED-13	LSED-13-0.0-0.5	Sediment	5/17/2019	Lead	39.1	mg/kg		400	----	35.8	1.09
				Manganese	515	mg/kg		1800	----	460	1.12
LSED-14	LSED-14-0.0-0.5	Sediment	5/17/2019	Lead	69.4	mg/kg		400	----	35.8	1.94
LSED-15	LSED-15-0.0-0.5	Sediment	5/14/2019	Lead	87.3	mg/kg		400	----	35.8	2.44
			5/14/2019	Manganese	790	mg/kg		1800	----	460	1.72
LSED-16	LSED-16-0.0-0.5	Sediment	5/14/2019	Lead	117	mg/kg		400	----	35.8	3.27
				Manganese	488	mg/kg		1800	----	460	1.06
	LSED-16-0.0-0.5-D	Sediment	5/14/2019	Lead	120	mg/kg		400	----	35.8	3.35
LSED-17	LSED-17-0.0-0.5	Sediment	5/13/2019	Lead	70.6	mg/kg		400	----	35.8	1.97
				Manganese	636	mg/kg		1800	----	460	1.38
LSED-18	LSED-18-0.0-0.5	Sediment	5/13/2019	Lead	70.9	mg/kg		400	----	35.8	1.98
			5/13/2019	Manganese	751	mg/kg		1800	----	460	1.63

LSED-19	LSED-19-0.0-0.5	Sediment	5/13/2019	Lead	58.8	mg/kg		400	----	35.8	1.64
			5/13/2019	Manganese	722	mg/kg		1800	----	460	1.57
LSED-20	LSED-20-0.0-0.5	Sediment	5/13/2019	Lead	72.7	mg/kg		400	----	35.8	2.03
			5/13/2019	Manganese	786	mg/kg		1800	----	460	1.71
			5/13/2019	Nickel	23	mg/kg		1500	----	22.7	1.01

Note:

NOTE:

[1]RSLs (May 2019) as presented at EPA website at https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables (target hazard quotient of 1.0).

[2]After conferring with the EA Human Health Risk Assessor, Residential Soil Screening Levels (SLs) for metals were adjusted following the procedures that will be followed when the human health risk

[3] The exceed column is the maximum detected concentration divided by the comparison criteria. Only comparisons where the maximum detected concentration exceeds

[4] Ecological Screening Values for Freshwater Sediment from the Texas Commission on Environmental Quality's (TCEQ's) Conducting Ecological Risk Assessments at Remediation Sites in Texas (RG-263).

-- = Not applicable or not available.

J = Indicates an estimated value.

ug/kg = Microgram(s) per kilogram.

mg/kg = Milligram(s) per kilogram.

TCEQ = Texas Commission on Environmental Quality.