

**Table 1**  
**Sediment Sample Stations, Sample IDs, Sample Times, Coordinates, and Descriptions of Samples Collected 12/23/2015**

Sample Station	Sample Identifier	Sample ID	Sample Type	Sample Time	Coordinates <sup>a</sup>		Sample Area	Sediment Description	Notes
					Easting	Northing			
SJNE082	SJNE082-GR1	SD 0001	Surface grab	1345	3216956.24	13857785.96	Work Area <sup>b</sup>	0-0.6" Small amount of black silty sand mixed with concrete rocks and shell.	PVC pipe was used to probe within the Work Area in search of a soft spot for collection of a grab sample. Spooned around concrete and shell to collect sufficient sample for chemical analysis.
SJNE083	SJNE083-GR1	SD 0002	Surface grab	1410	3216954.85	13857781.08	Work Area <sup>b</sup>	0-0.6" Small amount of black silty sand mixed with concrete rocks and shell. There was a higher percentage of sediment in this sample than the sample collected at SJNE082.	PVC pipe was used probe within the Work Area in search of a soft spot for collection of a grab sample. Spooned around concrete and shell to collect sufficient sample for chemical analysis. USEPA collected a duplicate a sample.
SJNE084	SJNE084-GR1	SD 0003	Surface grab	1430	3216960.01	13857777.61	Work Area <sup>b</sup>	0-0.6" Small amount of black silty sand mixed with concrete rocks and shell. There was a higher percentage of sediment in this sample than the sample collected at SJNE082.	PVC pipe was used to probe within the Work Area in search of a soft spot for collection of a grab sample. Spooned around concrete and shell to collect sufficient sample for chemical analysis.
SJNE085	SJNE085-GR1	SD 0004	Surface grab	1455	3216942.18	13857824.37	Toe of Slope	0-0.25" Brown silty sand 0.25-6" Black sand	Sample collected at the toe of the slope in sediment deposition area (approximately 50 feet from the Work Area). USEPA collected a duplicate a sample.
SJNE086	SJNE086-GR1	SD 0007	Surface grab	1510	3216942.93	13857828.62	Toe of Slope	0-0.25" Brown silty sand 0.25-6" Black sand	Sample collected at the toe of the slope in sediment Work Area (approximately 50 feet from the Work Area).
SJNE087	SJNE087 -GR1	SD 0008	Surface grab	1535	3216967.31	13857874.79	Deep water area adjacent to Work Area <sup>b</sup>	0-0.25" Brown silty sand 0.25-6" Black sand	Sample collected from a station in deep water approximately 90 feet from the Work Area. USEPA collected a duplicate a sample.
SJNE088	SJNE088 -GR1	SD 0010	Surface grab	1610	3216900.27	13857907.55	Deep water area adjacent to Work Area <sup>b</sup>	0-0.25" Brown silty sand 0.25-6" Black sand	Sample collected from a station in deep water approximately 120 feet from the Work Area.

Notes:

<sup>a</sup>Coordinates are projected in NAD 83 State Plane, Texas South Central, feet

<sup>b</sup>"Work Area" is equivalent to "Delineated Area" as used in the accompanying text.

**Table 2**  
**Dioxin and Furan Sample Results for Station SJNE082**

Analyte	Concentration (ng/kg)	Qualifier
2,3,7,8-TCDD	6,310	
1,2,3,7,8-PeCDD	56.3	
1,2,3,4,7,8-HxCDD	1.4	J
1,2,3,6,7,8-HxCDD	6	
1,2,3,7,8,9-HxCDD	2.61	J
1,2,3,4,6,7,8-HpCDD	115	
OCDD	2,760	
2,3,7,8-TCDF	15,400	
1,2,3,7,8-PeCDF	600	
2,3,4,7,8-PeCDF	487	
1,2,3,4,7,8-HxCDF	758	
1,2,3,6,7,8-HxCDF	172	
1,2,3,7,8,9-HxCDF	49.7	
2,3,4,6,7,8-HxCDF	32.7	
1,2,3,4,6,7,8-HpCDF	180	
1,2,3,4,7,8,9-HpCDF	61.3	
OCDF	151	
TEQ <sub>DF,M</sub> (ND=1/2DL)	8,180	J

**Notes**

TEQ<sub>DF,M</sub> (ND=1/2DL) = toxicity equivalent for 2,3,7,8-TCDD calculated using dioxins and furans and mammalian toxicity equivalency factors (Van den Berg et al. 2006) with non detects set at one-half the detection limit.

J = the number is an estimated concentration.

**Table 3**  
**Dioxin and Furan Sample Results for Station SJNE083**

Analyte	Concentration (ng/kg)	Qualifier
2,3,7,8-TCDD	33500	
1,2,3,7,8-PeCDD	164	
1,2,3,4,7,8-HxCDD	2.95	J
1,2,3,6,7,8-HxCDD	16.8	
1,2,3,7,8,9-HxCDD	5	J
1,2,3,4,6,7,8-HpCDD	542	
OCDD	14,100	
2,3,7,8-TCDF	60,800	
1,2,3,7,8-PeCDF	1,410	
2,3,4,7,8-PeCDF	1,200	
1,2,3,4,7,8-HxCDF	2,600	
1,2,3,6,7,8-HxCDF	589	
1,2,3,7,8,9-HxCDF	162	
2,3,4,6,7,8-HxCDF	91.9	
1,2,3,4,6,7,8-HpCDF	782	
1,2,3,4,7,8,9-HpCDF	269	
OCDF	487	
TEQ <sub>DF,M</sub> (ND=1/2DL)	40,500	J

**Notes**

TEQ<sub>DF,M</sub> (ND=1/2DL) = toxicity equivalent for 2,3,7,8-TCDD calculated using dioxins and furans and mammalian toxicity equivalency factors (Van den Berg et al. 2006) with non detects set at one-half the detection limit.

J = the number is an estimated concentration.

**Table 4**  
**Dioxin and Furan Sample Results for Station SJNE084**

Analyte	Concentration (ng/kg)	Qualifier
2,3,7,8-TCDD	35,600	
1,2,3,7,8-PeCDD	177	
1,2,3,4,7,8-HxCDD	2.58	J
1,2,3,6,7,8-HxCDD	16.4	
1,2,3,7,8,9-HxCDD	5.13	J
1,2,3,4,6,7,8-HpCDD	384	
OCDD	7,010	
2,3,7,8-TCDF	718,00	
1,2,3,7,8-PeCDF	1,460	
2,3,4,7,8-PeCDF	1,310	
1,2,3,4,7,8-HxCDF	2,100	
1,2,3,6,7,8-HxCDF	487	
1,2,3,7,8,9-HxCDF	163	
2,3,4,6,7,8-HxCDF	83	
1,2,3,4,6,7,8-HpCDF	598	
1,2,3,4,7,8,9-HpCDF	206	
OCDF	431	
TEQ <sub>DF,M</sub> (ND=1/2DL)	43,700	J

**Notes**

TEQ<sub>DF,M</sub> (ND=1/2DL) = toxicity equivalent for 2,3,7,8-TCDD calculated using dioxins and furans and mammalian toxicity equivalency factors (Van den Berg et al. 2006) with non detects set at one-half the detection limit.

J = the number is an estimated concentration.

**Table 5**  
**Dioxin and Furan Sample Results for Station SJNE085**

Analyte	Concentration (ng/kg)	Qualifier
2,3,7,8-TCDD	48.1	
1,2,3,7,8-PeCDD	1.11	J
1,2,3,4,7,8-HxCDD	0.983	J
1,2,3,6,7,8-HxCDD	2.2	J
1,2,3,7,8,9-HxCDD	0.98	U
1,2,3,4,6,7,8-HpCDD	79.1	
OCDD	3,200	
2,3,7,8-TCDF	181	
1,2,3,7,8-PeCDF	3.74	J
2,3,4,7,8-PeCDF	4.11	J
1,2,3,4,7,8-HxCDF	5.57	J
1,2,3,6,7,8-HxCDF	1.72	J
1,2,3,7,8,9-HxCDF	0.721	J
2,3,4,6,7,8-HxCDF	0.919	J
1,2,3,4,6,7,8-HpCDF	9.73	
1,2,3,4,7,8,9-HpCDF	1.48	J
OCDF	104	
TEQ <sub>DF,M</sub> (ND=1/2DL)	71.9	J

**Notes:**

TEQ<sub>DF,M</sub> (ND=1/2DL) = toxicity equivalent for 2,3,7,8-TCDD calculated using dioxins and furans and mammalian toxicity equivalency factors (Van den Berg et al. 2006) with non detects set at one-half the detection limit.

J = the number is an estimated concentration

U = not detected

**Table 6**  
**Dioxin and Furan Sample Results for Station SJNE086**

Analyte	Concentration (ng/kg)	Qualifier
2,3,7,8-TCDD	97.4	
1,2,3,7,8-PeCDD	1.44	J
1,2,3,4,7,8-HxCDD	0.842	J
1,2,3,6,7,8-HxCDD	1.84	J
1,2,3,7,8,9-HxCDD	0.955	U
1,2,3,4,6,7,8-HpCDD	76.7	
OCDD	3,190	
2,3,7,8-TCDF	400	
1,2,3,7,8-PeCDF	7.52	J
2,3,4,7,8-PeCDF	7.5	J
1,2,3,4,7,8-HxCDF	10.4	
1,2,3,6,7,8-HxCDF	2.86	J
1,2,3,7,8,9-HxCDF	1.05	J
2,3,4,6,7,8-HxCDF	1.07	J
1,2,3,4,6,7,8-HpCDF	10.1	
1,2,3,4,7,8,9-HpCDF	1.8	J
OCDF	100	
TEQ <sub>DF,M</sub> (ND=1/2DL)	145	J

**Notes:**

TEQ<sub>DF,M</sub> (ND=1/2DL) = toxicity equivalent for 2,3,7,8-TCDD calculated using dioxins and furans and mammalian toxicity equivalency factors (Van den Berg et al. 2006) with non detects set at one-half the detection limit.

J = the number is an estimated concentration

U = not detected

**Table 7**  
**Dioxin and Furan Sample Results for Station SJNE087**

Analyte	Concentration (ng/kg)	Qualifier
2,3,7,8-TCDD	21.3	
1,2,3,7,8-PeCDD	0.682	J
1,2,3,4,7,8-HxCDD	0.347	U
1,2,3,6,7,8-HxCDD	1.8	J
1,2,3,7,8,9-HxCDD	1.75	J
1,2,3,4,6,7,8-HpCDD	64.1	
OCDD	2,960	
2,3,7,8-TCDF	69.1	
1,2,3,7,8-PeCDF	2	J
2,3,4,7,8-PeCDF	2.09	J
1,2,3,4,7,8-HxCDF	3.19	J
1,2,3,6,7,8-HxCDF	1.22	J
1,2,3,7,8,9-HxCDF	0.33	U
2,3,4,6,7,8-HxCDF	0.836	J
1,2,3,4,6,7,8-HpCDF	8.77	
1,2,3,4,7,8,9-HpCDF	1.39	J
OCDF	90.9	
TEQ <sub>DF,M</sub> (ND=1/2DL)	32.2	J

**Notes:**

TEQ<sub>DF,M</sub> (ND=1/2DL) = toxicity equivalent for 2,3,7,8-TCDD calculated using dioxins and furans and mammalian toxicity equivalency factors (Van den Berg et al. 2006) with non detects set at one-half the detection limit.

J = the number is an estimated concentration

U = not detected

**Table 8**  
**Dioxin and Furan Sample Results for Station SJNE088**

Analyte	Concentration (ng/kg)	Qualifier
2,3,7,8-TCDD	20.1	
1,2,3,7,8-PeCDD	0.148	U
1,2,3,4,7,8-HxCDD	0.392	U
1,2,3,6,7,8-HxCDD	2.03	J
1,2,3,7,8,9-HxCDD	2.27	J
1,2,3,4,6,7,8-HpCDD	79.6	
OCDD	3,060	
2,3,7,8-TCDF	64.4	
1,2,3,7,8-PeCDF	2	J
2,3,4,7,8-PeCDF	0.93	U
1,2,3,4,7,8-HxCDF	3.46	J
1,2,3,6,7,8-HxCDF	0.58	U
1,2,3,7,8,9-HxCDF	0.565	J
2,3,4,6,7,8-HxCDF	0.958	J
1,2,3,4,6,7,8-HpCDF	9.47	
1,2,3,4,7,8,9-HpCDF	0.725	U
OCDF	62.3	
TEQ <sub>DF,M</sub> (ND=1/2DL)	29.9	J

**Notes:**

TEQ<sub>DF,M</sub> (ND=1/2DL) = toxicity equivalent for 2,3,7,8-TCDD calculated using dioxins and furans and mammalian toxicity equivalency factors (Van den Berg et al. 2006) with non detects set at one-half the detection limit.

J = the number is an estimated concentration

U = not detected



**Table 9**  
**TOC and Percent Moisture Results for All Stations**

<b>Station ID</b>	<b>TOC (Percent)</b>	<b>Moisture (Percent)</b>
SJNE082	3.44	47.2
SJNE083	9.48	55.1
SJNE084	11.3	60.3
SJNE085	1.62	69.9
SJNE086	1.62	67.6
SJNE087	1.64	69.5
SJNE088	1.62	69.8

**Notes**

TOC = total organic carbon

**Table 10**  
**TEQ Sample Results for All Stations**

<b>Station ID</b>	<b>TEQ<sub>DF,M</sub> (ng/kg)</b>	<b>Qualifier</b>
SJNE082	8,180	J
SJNE083	40,500	J
SJNE084	43,700	J
SJNE085	71.9	J
SJNE086	145	J
SJNE087	32.2	J
SJNE088	29.9	J

**Notes**

TEQ<sub>DF,M</sub> (ND=1/2DL) = toxicity equivalent for 2,3,7,8-TCDD calculated using dioxins and furans and mammalian toxicity equivalency factors (Van den Berg et al. 2006) with non detects set at one-half the detection limit.

J = the number is an estimated concentration