Table 3
Final Validated Jorgensen Forge Outfall Site Shoreline Bank Z-layer Results

	Location ID	**PDS-7**
	Sample ID	**JF-PDS-7-140719**
	Sample Date	**07/19/2014**
	Depth	**0 - 14 cm**
Conventional Parameters (mg/kg)		
Ammonia as nitrogen	E350.1M	**0.24**
Sulfide	SM4500S2D	**172 J**
Conventional Parameters (pct)		
Total organic carbon	Plumb 1981	**0.231 J**
Total solids	SM2540G	**79.89**
Total solids (preserved)	SM2540G	**79.94**
Grain Size (pct)		
Gravel	PSEP	**2.9**
Sand, very coarse	PSEP	**4.5**
Sand, coarse	PSEP	**15.8**
Sand, medium	PSEP	**38.3**
Sand, fine	PSEP	**27.2**
Sand, very fine	PSEP	**5**
Silt, coarse	PSEP	**2.7**
Silt, medium	PSEP	**1.4**
Silt, fine	PSEP	**0.7**
Silt, very fine	PSEP	**0.5**
Clay, coarse	PSEP	**0.3**
Clay, medium	PSEP	**0.2**
Clay, fine	PSEP	**0.5**
Metals (mg/kg)		
Arsenic	SW6020A	**2.7**
Cadmium	SW6020A	**1.4**
Chromium	SW6020A	**22.7**
Copper	SW6020A	**49.4 J**
Lead	SW6020A	**35.9 J**
Mercury	SW7471A	**0.06**
Silver	SW6020A	**0.4**
Zinc	SW6020A	**212 J**
Semivolatile Organics (µg/kg)		
1,2,4-Trichlorobenzene	SW8270D	**32**
1,2,4-Trichlorobenzene	SW8270DSIM	**31**
1,2-Dichlorobenzene	SW8270D	**8.4 J**
1,2-Dichlorobenzene	SW8270DSIM	**9.6**
1,4-Dichlorobenzene	SW8270D	**41**
1,4-Dichlorobenzene	SW8270DSIM	**41**
2,4-Dimethylphenol	SW8270D	94 UJ
2,4-Dimethylphenol	SW8270DSIM	24 UJ
2-Methylphenol (o-Cresol)	SW8270D	19 UJ
2-Methylphenol (o-Cresol)	SW8270DSIM	4.7 UJ
4-Methylphenol (p-Cresol)	SW8270D	19 UJ
4-Methylphenol (p-Cresol)	SW8270DSIM	**6.8 J**

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Benzoic acid	SW8270D	**150 J**
Benzyl alcohol	SW8270D	19 U
Benzyl alcohol	SW8270DSIM	19 U
bis(2-Ethylhexyl)phthalate	SW8270D	**110**
Butylbenzyl phthalate	SW8270D	19 U
Butylbenzyl phthalate	SW8270DSIM	4.7 U
Dibenzofuran	SW8270D	19 U
Diethyl phthalate	SW8270D	**18 J**
Diethyl phthalate	SW8270DSIM	19 U
Dimethyl phthalate	SW8270D	19 U
Dimethyl phthalate	SW8270DSIM	4.7 U
Di-n-butyl phthalate	SW8270D	**27**
Di-n-octyl phthalate	SW8270D	19 U
Hexachlorobenzene	SW8270D	19 U
Hexachlorobenzene	SW8270DSIM	4.7 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270D	19 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270DSIM	4.7 U
n-Nitrosodiphenylamine	SW8270D	**-- R**
n-Nitrosodiphenylamine	SW8270DSIM	**-- R**
Pentachlorophenol	SW8270D	94 UJ
Pentachlorophenol	SW8270DSIM	**10 J**
Phenol	SW8270D	**14 J**
Phenol	SW8270DSIM	14 U
Polycyclic Aromatic Hydrocarbons (µg/kg)		
2-Methylnaphthalene	SW8270D	**12 J**
Acenaphthene	SW8270D	**11 J**
Acenaphthylene	SW8270D	19 UJ
Anthracene	SW8270D	19 UJ
Benzo(a)anthracene	SW8270D	**14 J**
Benzo(a)pyrene	SW8270D	**12 J**
Benzo(b,j,k)fluoranthenes	SW8270D	**32 J**
Benzo(g,h,i)perylene	SW8270D	19 U
Chrysene	SW8270D	**20**
Dibenzo(a,h)anthracene	SW8270D	19 UJ
Fluoranthene	SW8270D	**32**
Fluorene	SW8270D	**6.6 J**
Indeno(1,2,3-c,d)pyrene	SW8270D	**11 J**
Naphthalene	SW8270D	**13 J**
Phenanthrene	SW8270D	**22**
Pyrene	SW8270D	**38**
Total HPAH (SMS) (U = 0)		**159 J**
Total LPAH (SMS) (U = 0)		**52.6 J**

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PCB Aroclors (µg/kg)		
Aroclor 1016	SW8082A	510 UJ
Aroclor 1221	SW8082A	510 UJ
Aroclor 1232	SW8082A	510 UJ
Aroclor 1242	SW8082A	510 UJ
Aroclor 1248	SW8082A	**3700 J**
Aroclor 1254	SW8082A	**8200 J**
Aroclor 1260	SW8082A	**1700 J**
Total PCB Aroclors (U = 0)		**13600 J**

Notes:

Bold = Detected result

µg/kg = micrograms per kilogram

cm = centimeter

J = Estimated value

mg/kg = milligrams per kilogram

OC = organic carbon

PCB = polychlorinated biphenyl

pct = percent

R = Rejected

U = Compound analyzed, but not detected above detection limit

UJ = Compound analyzed, but not detected above estimated detection limit