

Table 1R  
Mass of Chemicals Placed in CAMU Unit 2  
SWD-1 Landfill Groundwater Monitoring - Third Quarter 2017  
U.S. Steel - Gary Works  
Gary, Indiana

Parameter	Location ID	EL-MW-4D	EL-MW-4D	RWL-3	RWL-4	EL-MW-4D	EL-MW-4D	RWL-3	RWL-4	Median Concentration	Median Concentration mg/L	Mass of Chemicals in HWD-2 Purge Water Placed in CAMU Unit 2 (Based on Median Concentration)		
	Sample Type	Regular	Duplicate	Regular	Regular	Regular	Duplicate	Regular	Regular					
	Sample Date	08/31/17	8/31/2017	08/31/17	08/31/17	9/20/2017	9/20/2017	9/20/2017	9/20/2017					
	Units													
Polynuclear Aromatic Hydrocarbons (PAHs)														
2-Methylnaphthalene	ug/l	2.5	2.5	2.5	2.5					2.5	0.0025	0.12	1.18E-07	2.59E-07
Benzo(a)anthracene	ug/l	2.5	2.5	2.5	2.5					2.5	0.0025	0.12	1.18E-07	2.59E-07
Benzo(a)pyrene	ug/l	2.5	2.5	2.5	2.5					2.5	0.0025	0.12	1.18E-07	2.59E-07
Benzo(b)fluoranthene	ug/l	2.5	2.5	2.5	2.5					2.5	0.0025	0.12	1.18E-07	2.59E-07
Benzo(k)fluoranthene	ug/l	2.5	2.5	2.5	2.5					2.5	0.0025	0.12	1.18E-07	2.59E-07
Chrysene	ug/l	2.5	2.5	2.5	2.5					2.5	0.0025	0.12	1.18E-07	2.59E-07
Dibenz(a,h)anthracene	ug/l	2.5	2.5	2.5	2.5					2.5	0.0025	0.12	1.18E-07	2.59E-07
Indeno(1,2,3-cd)pyrene	ug/l	2.5	2.5	2.5	2.5					2.5	0.0025	0.12	1.18E-07	2.59E-07
Naphthalene	ug/l	2.5	2.5	2.5	2.5					2.5	0.0025	0.12	1.18E-07	2.59E-07
Dissolved Metals														
Chromium, Hexavalent	mg/l	0.0025	0.0025	0.0025	0.0025	0.00016	0.0001	0.00023	0.00031	0.001405	0.001405	0.07	6.62E-08	1.46E-07
Total Metals														
Arsenic	mg/l	0.036	0.033	0.016	0.04					0.0345	0.0345	1.63	1.63E-06	3.58E-06
Cobalt	mg/l	0.0025	0.0025	0.0025	0.0025					0.0025	0.0025	0.12	1.18E-07	2.59E-07
Chromium, Hexavalent	mg/l	0.0025	0.0025	0.0025	0.0025					0.0025	0.0025	0.12	1.18E-07	2.59E-07
Iron	mg/l	8.4	8.8	0.04	0.093					4.2465	4.2465	200.22	2.00E-04	4.40E-04
Manganese	mg/l	0.17	0.17	0.011	0.011					0.0905	0.0905	4.27	4.27E-06	9.39E-06
Selenium	mg/l	0.005	0.005	0.005	0.005					0.005	0.005	0.24	2.36E-07	5.19E-07
Thallium	mg/l	0.005	0.005	0.005	0.005					0.005	0.005	0.24	2.36E-07	5.19E-07
General Chemistry - SW9012B, Total														
Cyanide, Reactive	mg/l	0.038	0.038	0.045	0.075					0.0415	0.0415	1.96	1.96E-06	4.30E-06
General Chemistry - Method OIA 1677														
Cyanide, Reactive	ug/l	0.001	0.001	0.001	0.001					0.001	0.001	0.05	4.72E-08	1.04E-07

Notes:  
mg/l = milligrams per liter  
ug/l = micrograms per liter  
Bold font indicates positive detection  
Italics and shading indicate a non-detect result; one-half the reporting limit was used for non-detect results  
Blank cell indicates that analysis for the parameter was not required.  
Samples collected on August 31 and September 20, 2017.  
Per TRI Reporting guidance, the median value is used when a range of data values is present.  
Volume of purge water place in CAMU = 12.44 gallons  
Volume of purge water placed in CAMU (liters): (12.44 gal)(3.79 liter/gal) = 47.15 liters  
Mass of individual chemicals placed in CAMU = (concentration)(volume of purge water)