

Table 1J  
Mass of Chemicals Placed in CAMU Unit 2  
HWD-5 Landfill and TTP Area Post-Closure Groundwater Monitoring - First Quarter 2017  
U.S. Steel - Gary Works  
Gary, Indiana

Parameter	Location ID	HWD-5-06D	HWD-5-06D	HWD-5-09D	HWD-5-10D	HWD-5-14D	WE-MW-4	WE-MW-5D	Median Concentration	Mass of Chemicals in HWD-2 Purge Water Placed in CAMU Unit 2 (Based on Median Concentration)		
	Sample Type	Regular	Duplicate	Regular	Regular	Regular	Regular	Regular				
	Sample Date	3/8/2017	3/8/2017	3/8/2017	3/8/2017	3/8/2017	3/8/2017	3/9/2017				
	Units									mg/L	Milligrams	Kilograms
Metals												
Arsenic, dissolved	mg/l	0.053	0.052						0.05	5.35	5.35E-06	1.18E-05
Calcium, dissolved	mg/l	320	320	62				170	245.00	24950.80	2.50E-02	5.49E-02
Iron	mg/l							3.1	3.10	315.70	3.16E-04	6.95E-04
Iron, dissolved	mg/l	18	18					2.8	18.00	1833.12	1.83E-03	4.03E-03
Magnesium, dissolved	mg/l	110	110						110.00	11202.40	1.12E-02	2.46E-02
Potassium, dissolved	mg/l				21		150	51	51.00	5193.84	5.19E-03	1.14E-02
Silicon, dissolved	mg/l					21			21.00	2138.64	2.14E-03	4.71E-03
Sodium, dissolved	mg/l	550	550	120	79			290	290.00	29533.60	2.95E-02	6.50E-02
General Chemistry												
Alkalinity	mg/l						190		190.00	19349.60	1.93E-02	4.26E-02
Alkalinity, Bicarb. (CaC03)	mg/l						5		5.00	509.20	5.09E-04	1.12E-03
Alkalinity, Carb. (CaC03)	mg/l						68		68.00	6925.12	6.93E-03	1.52E-02
Ammonia as N	mg/l							12	12.00	1222.08	1.22E-03	2.69E-03
Chloride	mg/l	1,400	1,500			220		750	1075.00	109478.00	1.09E-01	2.41E-01

Notes:  
mg/l = milligrams per liter  
N = Regular sample  
FD = Field duplicate sample  
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 March 8 and March 9, 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 = 26.87 gallons  
Volume of purge water placed in CAMU (liters): (26.87 gal)(3.79 liter/gal) = 101.84 liters  
Mass of individual chemicals placed in CAMU = (concentration)(volume of purge water)