

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

Parameter	Location ID	HWD-5-06D	HWD-5-07D	HWD-5-09D	HWD-5-09S	HWD-5-10D	HWD-5-14D	WE-MW-4	WE-MW-5D	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	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Duplicate		mg/L	Milligrams	Kilograms	Pounds
	Sample Date	8/16/2017	8/17/2017	8/17/2017	8/17/2017	8/17/2017	8/16/2017	8/16/2017	8/17/2017	8/17/2017					
	Units														
Metals															
Arsenic, dissolved	mg/l	0.037							0.052	0.05	0.050	6.25	6.25E-06	1.38E-05	
Calcium, dissolved	mg/l	340		67,000			95		180	180	180.000	22512.60	2.25E-02	4.95E-02	
Iron, total	mg/l								4.0	3.8	3.900	487.77	4.88E-04	1.07E-03	
Iron, dissolved	mg/l	12							2.3	2.4	2.400	300.17	3.00E-04	6.60E-04	
Magnesium, dissolved	mg/l	110	37								73.500	9192.65	9.19E-03	2.02E-02	
Potassium, dissolved	mg/l		6.8		360	21		180	55	54	54.500	6816.32	6.82E-03	1.50E-02	
Silicon, dissolved	mg/l						20				20.000	2501.40	2.50E-03	5.50E-03	
Sodium, dissolved	mg/l			140,000		84	110		340	340	340.000	42523.80	4.25E-02	9.36E-02	
General Chemistry															
Alkalinity	mg/l							240			240.000	30016.80	3.00E-02	6.60E-02	
Alkalinity, Bicarb.(CaC03)	mg/l							5			5.000	625.35	6.25E-04	1.38E-03	
Alkalinity, Carb. (CaC03)	mg/l							55			55.000	6878.85	6.88E-03	1.51E-02	
Ammonia as N	mg/l								14	14	14.000	1750.98	1.75E-03	3.85E-03	
Chloride	mg/l	1,800				170	280		890	800	800.000	100056.00	1.00E-01	2.20E-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 August 16 and August 17, 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 = 33.0 gallons

Volume of purge water placed in CAMU (liters): (33.0 gal)(3.79 liter/gal) = 125.07 liters

Mass of individual chemicals placed in CAMU = (concentration)(volume of purge water)