

Table O
Mass of Chemicals Placed in CAMU Unit 2
East Side Groundwater ISM Compliance Monitoring - Second Quarter 2017
U.S. Steel - Gary Works
Gary, Indiana

Parameter	Location ID	EL-MW-23D	EL-MW-23S	EL-MW-29D	EL-MW-29S	EL-MW-32D	EL-MW-32D	EL-MW-32S	EL-MW-41D	EL-MW-41S	EL-MW-42D	EL-MW-42S	EL-MW-43D	EL-MW-43S	EL-MW-44D	EL-MW-44S	EL-MW-44S	EL-MW-45D	EL-MW-45S	EL-MW-46D	EL-MW-46S	EL-MW-47D	EL-MW-47S	EL-MW-48D	EL-MW-48S	EL-MW-48S	EL-MW-49D	EL-MW-49S	
	Sample Type	Regular	Regular	Regular	Regular	Duplicate	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Duplicate	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Duplicate	Regular	Regular	Regular	
	Sample Date	06/08/17	06/08/17	06/09/17	06/09/17	06/08/17	06/08/17	06/08/17	06/09/17	06/09/17	06/09/17	06/09/17	06/13/17	06/13/17	06/08/17	06/08/17	06/08/17	06/13/17	06/13/17	06/13/17	06/13/17	06/13/17	06/13/17	06/12/17	06/12/17	06/12/17	06/08/17	06/08/17	
	Units																												
Volatile Organic Compounds (VOCs)																													
1,1,1,2-Tetrachloroethane	ug/l	2500.00	25.00	0.50	2.50	0.50	0.50	2.50	0.50	0.50	0.50	2.50	2.50	1.00	5.00	2.50	2.50	50.00	0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	1.00	2.50	
1,1,1-Trichloroethane	ug/l	2500.00	25.00	0.50	2.50	0.50	0.50	2.50	0.50	0.50	0.50	2.50	2.50	1.00	5.00	2.50	2.50	50.00	0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	1.00	2.50	
1,1,2,2-Tetrachloroethane	ug/l	2500.00	25.00	0.50	2.50	0.50	0.50	2.50	0.50	0.50	0.50	2.50	2.50	1.00	5.00	2.50	2.50	50.00	0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	1.00	2.50	
1,1,2-Trichloroethane	ug/l	2500.00	25.00	0.50	2.50	0.50	0.50	2.50	0.50	0.50	0.50	2.50	2.50	1.00	5.00	2.50	2.50	50.00	0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	1.00	2.50	
1,1-Dichloroethane	ug/l	2500.00	25.00	0.50	2.50	0.50	0.50	2.50	0.50	0.50	0.50	2.50	2.50	1.00	5.00	2.50	2.50	50.00	0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	1.00	2.50	
1,1-Dichloroethene	ug/l	2500.00	25.00	0.50	2.50	0.50	0.50	2.50	0.50	0.50	0.50	2.50	2.50	1.00	5.00	2.50	2.50	50.00	0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	1.00	2.50	
1,2,3-Trichloropropane	ug/l	2500.00	25.00	0.50	2.50	0.50	0.50	2.50	0.50	0.50	0.50	2.50	2.50	1.00	5.00	2.50	2.50	50.00	0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	1.00	2.50	
1,2-Dibromo-3-Chloropropane	ug/l	2500.00	25.00	0.50	2.50	0.50	0.50	2.50	0.50	0.50	0.50	2.50	2.50	1.00	5.00	2.50	2.50	50.00	0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	1.00	2.50	
1,2-Dibromoethane	ug/l	2500.00	25.00	0.50	2.50	0.50	0.50	2.50	0.50	0.50	0.50	2.50	2.50	1.00	5.00	2.50	2.50	50.00	0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	1.00	2.50	
1,2-Dichloroethane	ug/l	2500.00	25.00	0.50	2.50	0.50	0.50	2.50	0.50	0.50	0.50	2.50	2.50	1.00	5.00	2.50	2.50	50.00	0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	1.00	2.50	
1,2-Dichloroethene	ug/l	5000.00	50.00	1.10	5.00	1.00	1.00	5.00	1.00	1.00	1.00	5.00	5.00	2.00	10.00	5.00	5.00	100.00	1.00	1.00	1.00	5.00	1.00	1.00	1.00	1.00	2.00	5.00	
1,2-Dichloropropane	ug/l	2500.00	25.00	0.50	2.50	0.50	0.50	2.50	0.50	0.50	0.50	2.50	2.50	1.00	5.00	2.50	2.50	50.00	0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	1.00	2.50	
1,3-Dichloropropene, Total	ug/l	5000.00	50.00	1.00	5.00	1.00	1.00	5.00	1.00	1.00	1.00	5.00	5.00	2.00	10.00	5.00	5.00	100.00	1.00	1.00	1.00	5.00	1.00	1.00	1.00	1.00	2.00	5.00	
2-Butanone	ug/l	12500.00	125.00	2.50	12.50	2.50	2.50	12.50	2.50	2.50	2.50	12.50	12.50	5.00	25.00	12.50	12.50	250.00	2.50	2.50	2.50	12.50	2.50	2.50	2.50	2.50	5.00	12.50	
2-Hexanone	ug/l	12500.00	125.00	2.50	12.50	2.50	2.50	12.50	2.50	2.50	2.50	12.50	12.50	5.00	25.00	12.50	12.50	250.00	2.50	2.50	2.50	12.50	2.50	2.50	2.50	2.50	5.00	12.50	
3-Chloro-1-propene	ug/l	2500.00	25.00	0.50	2.50	0.50	0.50	2.50	0.50	0.50	0.50	2.50	2.50	1.00	5.00	2.50	2.50	50.00	0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	1.00	2.50	
4-Methyl-2-pentanone	ug/l	2500.00	25.00	0.50	2.50	0.50	0.50	2.50	0.50	0.50	0.50	2.50	2.50	1.00	5.00	2.50	2.50	50.00	0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	1.00	2.50	
Acetone	ug/l	25000.00	250.00	5.00	25.00	5.00	5.00	25.00	5.00	5.00	5.00	25.00	25.00	10.00	50.00	25.00	25.00	500.00	5.00	5.00	5.00	25.00	25.00	5.00	5.00	5.00	10.00	25.00	
Acetonitrile	ug/l	2500.00	25.00	0.50	2.50	0.50	0.50	2.50	0.50	0.50	0.50	2.50	2.50	1.00	5.00	2.50	2.50	50.00	0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	1.00	2.50	
Acrolein	ug/l	25000.00	250.00	5.00	25.00	5.00	5.00	25.00	5.00	5.00	5.00	25.00	25.00	10.00	50.00	25.00	25.00	500.00	5.00	5.00	5.00	25.00	5.00	5.00	5.00	5.00	10.00	25.00	
Acrylonitrile	ug/l	2500.00	25.00	0.50	2.50	0.50	0.50	2.50	0.50	0.50	0.50	2.50	2.50	1.00	5.00	2.50	2.50	50.00	0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	1.00	2.50	
Benzene	ug/l	1400000.00	12000.00	3600.00	760.00	490.00	85.00	830.00	120.00	120.00	220.00	1100.00	4100.00	630.00	3100.00	1100.00	1200.00	280000.00	1.60	26.00	0.50	1000.00	54.00	150.00	9.00	8.10	720.00	1500.00	
Bromodichloromethane	ug/l	2500.00	25.00	0.50	2.50	0.50	0.50	2.50	0.50	0.50	0.50	2.50	2.50	1.00	5.00	2.50	2.50	50.00	0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	1.00	2.50	
Bromoform	ug/l	2500.00	25.00	0.50	2.50	0.50	0.50	2.50	0.50	0.50	0.50	2.50	2.50	1.00	5.00	2.50	2.50	50.00	0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	1.00	2.50	
Bromomethane	ug/l	2500.00	25.00	0.50	2.50	0.50	0.50	2.50	0.50	0.50	0.50	2.50	2.50	1.00	5.00	2.50	2.50	50.00	0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	1.00	2.50	
Carbon disulfide	ug/l	2500.00	25.00	0.50	2.50	0.50	0.50	2.50	0.50	0.50	0.47	0.50	2.50	2.50	1.00	5.00	2.50	2.50	50.00	0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	1.00	2.50
Carbon tetrachloride	ug/l	2500.00	25.00	0.50	2.50	0.50	0.50	2.50																					

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	Sample Type	Regular	Regular	Regular	Regular	Duplicate	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Duplicate	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Duplicate	Regular	Regular	
	Sample Date	06/08/17	06/08/17	06/09/17	06/09/17	06/08/17	06/08/17	06/08/17	06/08/17	06/09/17	06/09/17	06/09/17	06/13/17	06/13/17	06/08/17	06/08/17	06/08/17	06/08/17	06/13/17	06/13/17	06/13/17	06/13/17	06/13/17	06/12/17	06/12/17	06/08/17	06/08/17	
	Units																											
Isophorone	ug/l	2.50	2.50	2.50	2.60	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
Isosafrole	ug/l	2.50	2.50	2.50	2.60	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
Methapyrilene	ug/l	2.50	2.50	2.50	2.60	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
Methyl methanesulfonate	ug/l	2.50	2.50	2.50	2.60	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
Nitrobenzene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	
N-Nitrosodiethylamine	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	
N-Nitrosodimethylamine	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	
N-Nitrosodi-n-butylamine	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	
N-Nitrosodi-n-propylamine	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	
N-Nitrosodiphenylamine	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	
N-Nitrosomethylethylamine	ug/l	2.50	2.50	2.50	2.60	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
N-Nitrosomorpholine	ug/l	2.50	2.50	2.50	2.60	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
N-Nitrosopiperidine	ug/l	2.50	2.50	2.50	2.60	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
N-Nitrosopyrrolidine	ug/l	2.50	2.50	2.50	2.60	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
o-Toluidine	ug/l	2.50	2.50	2.50	2.60	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
p-Dimethylaminoazobenzene	ug/l	2.50	2.50	2.50	2.60	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
Pentachlorobenzene	ug/l	2.50	2.50	2.50	2.60	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
Pentachloroethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	
Pentachloronitrobenzene	ug/l	2.50	2.50	2.50	2.60	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
Pentachlorophenol	ug/l	2.50	2.50	2.50	2.60	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
Phenacetin	ug/l	2.50	2.50	2.50	2.60	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
Phenol	ug/l	250	8	5.5	0.50	2.7	0.54	22	4.7	9.1	0.75	5.4	3.7	51	5.9	3.2	3.5	55	0.50	0.50	0.50	2	2.8	0.50	0.50	0.50	26	
p-Phenylene diamine	ug/l	25.00	25.00	25.00	26.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	
Pronamide	ug/l	2.50	2.50	2.50	2.60	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
Pyridine	ug/l	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	24	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
Quinoline	ug/l	2.50	2.50	2.50	2.60	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	3.40	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
Safrole	ug/l	2.50	2.50	2.50	2.60	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
Polynuclear Aromatic Hydrocarbons (PAHs)																												
Acenaphthene	ug/l	0.12	0.24	0.01	0.72	0.01	0.01	0.046	0.01	17	0.01	17	0.01	8.8	0.047	28	27	0.06	0.02	0.01	0.01	0.01	0.044	0.01	0.02	0.02	0.01	0.034
Acenaphthylene	ug/l	0.01	0.01	0.01	0.095	0.01	0.01	0.059	0.01	0.67	0.01	1.4	0.01	12	0.01	0.93	0.94	0.01	0.063	0.01	0.01	0.01	0.059	0.0				

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U.S. Steel - Gary Works
Gary, Indiana

Parameter	Location ID	EL-MW-4D	EL-MW-50D	EL-MW-50S	EL-MW-51D	EL-MW-51S	EL-MW-SG375RD	EL-MW-SG375S	EL-MW-SG380RD	EL-MW-SG380RS	EL-MW-SG420D	EL-MW-SG420S	EL-MW-UG630D	EL-MW-UG630S	EL-MW-UG640D
	Sample Type	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular
	Sample Date	06/07/17	06/09/17	06/09/17	06/07/17	06/07/17	06/12/17	06/12/17	06/12/17	06/12/17	06/13/17	06/12/17	06/07/17	06/07/17	06/07/17
	Units														
Volatile Organic Compounds (VOCs)															
1,1,1,2-Tetrachloroethane	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
1,1,1-Trichloroethane	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
1,1,2,2-Tetrachloroethane	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
1,1,2-Trichloroethane	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
1,1-Dichloroethane	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
1,1-Dichloroethene	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
1,2,3-Trichloropropane	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
1,2-Dibromo-3-Chloropropane	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
1,2-Dibromoethane	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
1,2-Dichloroethane	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
1,2-Dichloroethene	ug/l		1.00	1.00	1.00	5.00	1.00	1.00	1.00	1.00	1.00	2.00			
1,2-Dichloropropane	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
1,3-Dichloropropene, Total	ug/l		1.00	1.00	1.00	5.00	1.00	1.00	1.00	1.00	1.00	2.00			
2-Butanone	ug/l		2.50	2.50	2.50	120.00	2.50	2.50	2.50	2.50	2.50	5.00			
2-Hexanone	ug/l		2.50	2.50	2.50	12.50	2.50	2.50	2.50	2.50	2.50	5.00			
3-Chloro-1-propene	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
4-Methyl-2-pentanone	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Acetone	ug/l		5.00	5.00	5.00	48.00	5.00	5.00	5.00	5.00	5.00	10.00			
Acetonitrile	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Acrolein	ug/l		5.00	5.00	5.00	25.00	5.00	5.00	5.00	5.00	5.00	10.00			
Acrylonitrile	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Benzene	ug/l	0.50	240.00	120.00	67.00	3300.00	0.37	75.00	0.37	26.00	0.67	660.00	98,000	0.5	990,000
Bromodichloromethane	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Bromoform	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Bromomethane	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	4.20	0.50	1.00			
Carbon disulfide	ug/l		0.50	0.50	0.53	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Carbon tetrachloride	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Chlorobenzene	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Chloroethane	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Chloroform	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Chloromethane	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Chloroprene	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
cis-1,2-Dichloroethene	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
cis-1,3-Dichloropropene	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Dibromochloromethane	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Dibromomethane	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Dichlorodifluoromethane	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Ethyl methacrylate	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Ethylbenzene	ug/l	0.50	0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00	2.5	0.5	< 2,500 U
Iodomethane	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Isobutanol	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
m&p-Xylene	ug/l	1.00											5	1	2500
Methacrylonitrile	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Methyl methacrylate	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Methylene Chloride	ug/l		2.50	2.50	2.50	12.50	2.50	2.50	2.50	2.50	2.50	5.00			
o-Xylene	ug/l	0.50											2.5	0.5	< 2,500 U
Propionitrile	ug/l		5.00	5.00	5.00	25.00	5.00	5.00	5.00	5.00	5.00	10.00			
Styrene	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Tetrachloroethene	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Toluene	ug/l	0.50	3.40	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00	6.3	0.5	2,300
trans-1,2-Dichloroethene	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
trans-1,3-Dichloropropene	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
trans-1,4-Dichloro-2-butene	ug/l		1.00	1.00	1.00	5.00	1.00	1.00	1.00	1.00	1.00	2.00			
Trichloroethene	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Trichlorofluoromethane	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	1.00			
Vinyl acetate	ug/l		2.50	2.50	2.50	12.50	2.50	2.50	2.50	2.50	2.50	5.00			
Vinyl chloride	ug/l		0.50	0.50	0.50	2.50	0.50	0.50	0.50	0.50	0.50	2.70			
Xylenes (total)	ug/l	1.50	1.50	1.50	1.50	7.50	1.50	1.50	1.50	1.50	1.50	3.00	7.5	1.5	3750
Semi-Volatile Organic Compounds (SVOCs)															
1,2,4,5-Tetrachlorobenzene	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
1,2,4-Trichlorobenzene	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
1,2-Dichlorobenzene	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
1,3,5-Trinitrobenzene	ug/l		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00			
1,3-Dichlorobenzene	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
1,3-Dinitrobenzene	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
1,4-Dichlorobenzene	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
1,4-Dioxane	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	1.40	2.50			
1,4-Naphthoquinone	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
1-Naphthylamine	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
2,3,4,6-Tetrachlorophenol	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
2,4,5-Trichlorophenol	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
2,4,6-Trichlorophenol	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
2,4-Dichlorophenol	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
2,4-Dimethylphenol	ug/l		0.50	0.50	0.50	1.20	0.50	0.50	0.50	0.55	2.90	3.20			
2,4-Dinitrophenol	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			

Table O
Mass of Chemicals Placed in CAMU Unit 2
East Side Groundwater ISM Compliance Monitoring - Second Quarter 2017
U.S. Steel - Gary Works
Gary, Indiana

Parameter	Location ID	EL-MW-4D	EL-MW-50D	EL-MW-50S	EL-MW-51D	EL-MW-51S	EL-MW-SG375RD	EL-MW-SG375S	EL-MW-SG380RD	EL-MW-SG380RS	EL-MW-SG420D	EL-MW-SG420S	EL-MW-UG630D	EL-MW-UG630S	EL-MW-UG640D
	Sample Type	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular
	Sample Date	06/07/17	06/09/17	06/09/17	06/07/17	06/07/17	06/12/17	06/12/17	06/12/17	06/12/17	06/13/17	06/12/17	06/07/17	06/07/17	06/07/17
	Units														
2,4-Dinitrotoluene	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
2,6-Dichlorophenol	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
2,6-Dinitrotoluene	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
2-Acetylaminofluorene	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
2-Chloronaphthalene	ug/l		0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.05			
2-Chlorophenol	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
2-Methylnaphthalene	ug/l		0.05	0.05	0.05	0.18	0.05	0.05	0.36	0.06	0.05	0.37			
2-Methylphenol	ug/l		0.80	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.65	0.94			
2-Naphthylamine	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
2-Nitroaniline	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
2-Nitrophenol	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
2-Picoline	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
3,3'-Dichlorobenzidine	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
3,3'-Dimethylbenzidine	ug/l		12.50	12.50	12.50	12.50	12.50	12.50	12.50	13.50	12.50	12.50			
3-Methylcholanthrene	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
3-Methylphenol & 4-Methylph	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	2.30	2.60			
3-Nitroaniline	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
4,6-Dinitro-2-methylphenol	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
4-Aminobiphenyl	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
4-Bromophenyl phenyl ether	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
4-Chloro-3-methylphenol	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
4-Chloroaniline	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
4-Chlorophenyl phenyl ether	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
4-Nitroaniline	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
4-Nitrophenol	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
4-Nitroquinoline-1-oxide	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
5-Nitro-o-toluidine	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
7,12-Dimethylbenz(a)anthrac	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
a,a-Dimethylphenethylamine	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
Acetophenone	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	2	0.50			
Aniline	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
Anthracene	ug/l		0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.21			
Aramite	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
Benzyl alcohol	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
bis(2-Chloroethoxy)methane	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
bis(2-Chloroethyl)ether	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
bis(2-Chloroisopropyl)ether	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
bis(2-Ethylhexyl)phthalate	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
Butyl benzyl phthalate	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
Carbazole	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	1.2			
Chlorobenzilate	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
Diallate	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
Dibenzofuran	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
Diethyl phthalate	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
Dimethyl phthalate	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
Di-n-butyl phthalate	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
Di-n-octyl phthalate	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
Dinoseb	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
Diphenylamine	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
Ethyl methanesulfonate	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
Hexachlorobenzene	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
Hexachlorobutadiene	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
Hexachlorocyclopentadiene	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
Hexachloroethane	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
Hexachlorophene	ug/l		40.00	40.00	40.00	40.00	40.00	40.00	40.00	42.50	40.00	40.00			
Hexachloropropene	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			

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East Side Groundwater ISM Compliance Monitoring - Second Quarter 2017
U.S. Steel - Gary Works
Gary, Indiana

Parameter	Location ID	EL-MW-4D	EL-MW-50D	EL-MW-50S	EL-MW-51D	EL-MW-51S	EL-MW-SG375RD	EL-MW-SG375S	EL-MW-SG380RD	EL-MW-SG380RS	EL-MW-SG420D	EL-MW-SG420S	EL-MW-UG630D	EL-MW-UG630S	EL-MW-UG640D
	Sample Type	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular
	Sample Date	06/07/17	06/09/17	06/09/17	06/07/17	06/07/17	06/12/17	06/12/17	06/12/17	06/12/17	06/13/17	06/12/17	06/07/17	06/07/17	06/07/17
	Units														
Isophorone	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
Isosafrole	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
Methapyrilene	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
Methyl methanesulfonate	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
Nitrobenzene	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
N-Nitrosodiethylamine	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
N-Nitrosodimethylamine	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
N-Nitrosodi-n-butylamine	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
N-Nitrosodi-n-propylamine	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
N-Nitrosodiphenylamine	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
N-Nitrosomethylethylamine	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
N-Nitrosomorpholine	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	3.30			
N-Nitrosopiperidine	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
N-Nitrosopyrrolidine	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
o-Toluidine	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
p-Dimethylaminoazobenzene	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
Pentachlorobenzene	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
Pentachloroethane	ug/l		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.55	0.50	0.50			
Pentachloronitrobenzene	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
Pentachlorophenol	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
Phenacetin	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
Phenol	ug/l		1.1	0.50	0.50	5.8	0.50	0.50	0.50	0.90	0.57	13			
p-Phenylene diamine	ug/l		25.00	25.00	25.00	25.00	25.00	25.00	25.00	26.50	25.00	25.00			
Pronamide	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
Pyridine	ug/l		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.50	5.00	5.00			
Quinoline	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
Safrole	ug/l		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.65	2.50	2.50			
Polynuclear Aromatic Hydrocarbons (PAHs)															
Acenaphthene	ug/l		0.012	0.1	0.01	0.4	0.01	0.036	0.01	0.077	0.16	2.4			
Acenaphthylene	ug/l		0.01	0.076	0.01	0.076	0.01	0.01	0.01	0.01	0.01	0.25			
Benzo(a)anthracene	ug/l		0.028	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.044			
Benzo(a)pyrene	ug/l		0.028	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
Benzo(b)fluoranthene	ug/l		0.035	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
Benzo(g,h,i)perylene	ug/l		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02			
Benzo(k)fluoranthene	ug/l		0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
Chrysene	ug/l		0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02			
Dibenz(a,h)anthracene	ug/l		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
Fluoranthene	ug/l		0.069	0.21	0.01	0.2	0.01	0.089	0.01	0.086	0.071	0.5			
Fluorene	ug/l		0.02	0.13	0.01	0.17	0.01	0.034	0.01	0.076	0.01	1.1			
Indeno(1,2,3-cd)pyrene	ug/l		0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
Naphthalene	ug/l		0.02	0.2	0.01	0.98	0.01	0.01	0.02	0.098	0.17	18			
Phenanthrene	ug/l		0.097	0.32	0.02	0.48	0.02	0.093	0.02	0.12	0.16	2.1			
Pyrene	ug/l		0.028	0.12	0.01	0.13	0.01	0.048	0.01	0.044	0.02	0.28			
Metals, Total															
Aluminum	mg/l		0.19	1.6	0.035	0.04	0.042	0.16	0.014	0.48	0.13	0.62			
Antimony	mg/l		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Arsenic	mg/l		0.061	0.0052	0.069	0.00	0.11	0.00	0.096	0.00	0.043	0.00			
Barium	mg/l		0.1	0.049	0.28	0.16	0.14	0.036	0.15	0.032	0.056	0.05			
Beryllium	mg/l		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Cadmium	mg/l		0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00			
Calcium	mg/l		100	85	120	410	180	78	140	71	380	60			
Chromium	mg/l		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Chromium, Hexavalent	mg/l		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.037	0.00			
Cobalt	mg/l		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Copper	mg/l		0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.00			
Iron	mg/l		3.4	0.03	1.8	0.16	12	0.03	9	0.02	51	0.23			
Lead	mg/l		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Lithium	mg/l		0.043	0.083	0.01	0.099	0.045	0.096	0.048	0.097	0.076	0.05			
Magnesium	mg/l		43	0.06	26	0.04	66	0.10	57	0.10	240	0.78			
Manganese	mg/l		0.23	0.00	0.06	0.015	0.2	0.00	0.14	0.00	0.44	0.019			
Mercury	mg/l		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Nickel	mg/l		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Potassium	mg/l		29	64	28	75	26	69	26	63	7.5	89			
Selenium	mg/l		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
Silver	mg/l		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Sodium	mg/l		79	77	100	69	74	80	110	80	180	130			
Thallium	mg/l		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
Tin	mg/l		0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01			
Vanadium	mg/l		0.00	0.066	0.00	0.00	0.00	0.054	0.00	0.05	0.00	0.028			
Zinc	mg/l		0.058	0.01	0.00	0.00	0.01	0.00	0.014	0.01	0.064	0.01			
Metals, Dissolved															
Chromium, Hexavalent	mg/l							0.00			0.00				
General Chemistry															
Ammonia	mg/l		2.6	2.7	8.3	2.5	3.5	2.4	1.8	1.8	4.9	7.1			
Cyanide, Reactive	mg/l		0.051	0.026	0.05	0.00	0.067	0.02	0.048	0.026	0.036	0.023			

Table O
Mass of Chemicals Placed in CAMU Unit 2
East Side Groundwater ISM Compliance Monitoring - Second Quarter 2017
U.S. Steel - Gary Works
Gary, Indiana

Parameter	Location ID	EL-MW-UG640S	EL-MW-UG650D	EL-MW-UG650S	EL-MW-UG660D	EL-MW-UG660S	EL-SB266D	EL-SB266D	EL-SB266S	RWL-1D	RWL-1S	RWL-2D	RWL-2S	RWL-3	RWL-3	SP-6-T01	Median Concentration	Median Concentration mg/L	Mass of Chemicals in ISM Purge Water Placed in CAMU Unit 2 (Based on Median Concentration)					
	Sample Type	Regular	Regular	Regular	Regular	Regular	Duplicate	Regular	Regular	Regular	Regular	Regular	Duplicate	Regular	Regular									
	Sample Date	06/07/17	06/07/17	06/07/17	06/07/17	06/07/17	06/06/17	06/06/17	06/06/17	06/06/17	06/06/17	06/06/17	06/06/17	06/07/17	06/07/17	06/13/17								
	Units																							
Volatile Organic Compounds (VOCs)																								
1,1,1,2-Tetrachloroethane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
1,1,1-Trichloroethane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
1,1,2,2-Tetrachloroethane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
1,1,2-Trichloroethane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
1,1-Dichloroethane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
1,1-Dichloroethene	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
1,2,3-Trichloropropane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
1,2-Dibromo-3-Chloropropane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
1,2-Dibromoethane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
1,2-Dichloroethane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
1,2-Dichloroethene	ug/l																1	0.001	0.37	3.71E-07	8.16E-07			
1,2-Dichloropropane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
1,3-Dichloropropene, Total	ug/l																1	0.001	0.37	3.71E-07	8.16E-07			
2-Butanone	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06			
2-Hexanone	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06			
3-Chloro-1-propene	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
4-Methyl-2-pentanone	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Acetone	ug/l																5	0.005	1.85	1.85E-06	4.08E-06			
Acetonitrile	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Acrolein	ug/l																5	0.005	1.85	1.85E-06	4.08E-06			
Acrylonitrile	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Benzene	ug/l	17,000	78,000	430	250,000	49	0.5	0.5	0.5	0.5	280	76	100	0.5	0.5	59,000	185	0.185	68.62	6.86E-05	1.51E-04			
Bromodichloromethane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Bromoform	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Bromomethane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Carbon disulfide	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Carbon tetrachloride	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Chlorobenzene	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Chloroethane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Chloroform	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Chloromethane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Chloroprene	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
cis-1,2-Dichloroethene	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
cis-1,3-Dichloropropene	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Dibromochloromethane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Dibromomethane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Dichlorodifluoromethane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Ethyl methacrylate	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Ethylbenzene	ug/l	25	125	3.5	500	0.5	0.5	0.5	0.5	0.5	2.3	0.5	0.5	0.5	0.5	100	0.5	0.0005	0.19	1.85E-07	4.08E-07			
Iodomethane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Isobutanol	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
m&p-Xylene	ug/l	50	250	3.3	1000	1	1	1	1	1	3	1	1	1	1	200	1	0.001	0.37	3.71E-07	8.16E-07			
Methacrylonitrile	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Methyl methacrylate	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Methylene Chloride	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06			
o-Xylene	ug/l	25	125	1	500	0.5	0.5	0.5	0.5	0.5	1.5	0.5	0.5	0.5	0.5	100	0.5	0.0005	0.19	1.85E-07	4.08E-07			
Propionitrile	ug/l																5	0.005	1.85	1.85E-06	4.08E-06			
Styrene	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Tetrachloroethene	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Toluene	ug/l	25	125	1	500	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	590	1	0.001	0.37	3.71E-07	8.16E-07			
trans-1,2-Dichloroethene	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
trans-1,3-Dichloropropene	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
trans-1,4-Dichloro-2-butene	ug/l																1	0.001	0.37	3.71E-07	8.16E-07			
Trichloroethene	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Trichlorofluoromethane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Vinyl acetate	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06			
Vinyl chloride	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
Xylenes (total)	ug/l	75	375	3.3	1500	1.5	1.5	1.5	1.5	1.5	4.5	1.5	1.5	1.5	1.5	300	1.5	0.0015	0.56	5.56E-07	1.22E-06			
Semi-Volatile Organic Compounds (SVOCs)																								
1,2,4,5-Tetrachlorobenzene	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06			
1,2,4-Trichlorobenzene	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
1,2-Dichlorobenzene	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
1,3,5-Trinitrobenzene	ug/l																5	0.005	1.85	1.85E-06	4.08E-06			
1,3-Dichlorobenzene	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07			
1,3-Dinitrobenzene	ug/l																							

Table O
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East Side Groundwater ISM Compliance Monitoring - Second Quarter 2017
U.S. Steel - Gary Works
Gary, Indiana

Parameter	Location ID	EL-MW-UG640S	EL-MW-UG650D	EL-MW-UG650S	EL-MW-UG660D	EL-MW-UG660S	EL-SB266D	EL-SB266D	EL-SB266S	RWL-1D	RWL-1S	RWL-2D	RWL-2S	RWL-3	RWL-3	SP-6-T01	Median Concentration	Median Concentration mg/L	Mass of Chemicals in ISM Purge Water Placed in CAMU Unit 2 (Based on Median Concentration)		
	Sample Type	Regular	Regular	Regular	Regular	Regular	Duplicate	Regular	Regular	Regular	Regular	Regular	Regular	Duplicate	Regular	Regular					
	Sample Date	06/07/17	06/07/17	06/07/17	06/07/17	06/07/17	06/06/17	06/06/17	06/06/17	06/06/17	06/06/17	06/06/17	06/06/17	06/07/17	06/07/17	06/13/17					
	Units																		Milligrams	Kilograms	Pounds
2,4-Dinitrotoluene	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
2,6-Dichlorophenol	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
2,6-Dinitrotoluene	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
2-Acetylaminofluorene	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
2-Chloronaphthalene	ug/l																0.1	0.00005	0.02	1.85E-08	4.08E-08
2-Chlorophenol	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
2-Methylnaphthalene	ug/l																0.1	0.00005	0.02	1.85E-08	4.08E-08
2-Methylphenol	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
2-Naphthylamine	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
2-Nitroaniline	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
2-Nitrophenol	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
2-Picoline	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
3,3'-Dichlorobenzidine	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
3,3'-Dimethylbenzidine	ug/l																12.5	0.0125	4.64	4.64E-06	1.02E-05
3-Methylcholanthrene	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
3-Methylphenol & 4-Methylph	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
3-Nitroaniline	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
4,6-Dinitro-2-methylphenol	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
4-Aminobiphenyl	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
4-Bromophenyl phenyl ether	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
4-Chloro-3-methylphenol	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
4-Chloroaniline	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
4-Chlorophenyl phenyl ether	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
4-Nitroaniline	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
4-Nitrophenol	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
4-Nitroquinoline-1-oxide	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
5-Nitro-o-toluidine	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
7,12-Dimethylbenz(a)anthrac	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
a,a-Dimethylphenethylamine	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
Acetophenone	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
Aniline	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
Anthracene	ug/l																0.1	0.00005	0.02	1.85E-08	4.08E-08
Aramite	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
Benzyl alcohol	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
bis(2-Chloroethoxy)methane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
bis(2-Chloroethyl)ether	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
bis(2-Chloroisopropyl)ether	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
bis(2-Ethylhexyl)phthalate	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
Butyl benzyl phthalate	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
Carbazole	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
Chlorobenzilate	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
Diallate	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
Dibenzofuran	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
Diethyl phthalate	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
Dimethyl phthalate	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
Di-n-butyl phthalate	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
Di-n-octyl phthalate	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
Dinoseb	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
Diphenylamine	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
Ethyl methanesulfonate	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
Hexachlorobenzene	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
Hexachlorobutadiene	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
Hexachlorocyclopentadiene	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
Hexachloroethane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
Hexachlorophene	ug/l																40	0.04	14.84	1.48E-05	3.26E-05
Hexachloropropene	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06

Table O
Mass of Chemicals Placed in CAMU Unit 2
East Side Groundwater ISM Compliance Monitoring - Second Quarter 2017
U.S. Steel - Gary Works
Gary, Indiana

Parameter	Location ID	EL-MW-UG640S	EL-MW-UG650D	EL-MW-UG650S	EL-MW-UG660D	EL-MW-UG660S	EL-SB266D	EL-SB266D	EL-SB266S	RWL-1D	RWL-1S	RWL-2D	RWL-2S	RWL-3	RWL-3	SP-6-T01	Median Concentration	Median Concentration mg/L	Mass of Chemicals in ISM Purge Water Placed in CAMU Unit 2 (Based on Median Concentration)		
	Sample Type	Regular	Regular	Regular	Regular	Regular	Duplicate	Regular	Regular	Regular	Regular	Regular	Regular	Duplicate	Regular	Regular					
	Sample Date	06/07/17	06/07/17	06/07/17	06/07/17	06/07/17	06/06/17	06/06/17	06/06/17	06/06/17	06/06/17	06/06/17	06/06/17	06/06/17	06/07/17	06/07/17	06/13/17				
	Units																		Milligrams	Kilograms	Pounds
Isophorone	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
Isosafrole	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
Methapyriline	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
Methyl methanesulfonate	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
Nitrobenzene	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
N-Nitrosodiethylamine	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
N-Nitrosodimethylamine	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
N-Nitrosodi-n-butylamine	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
N-Nitrosodi-n-propylamine	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
N-Nitrosodiphenylamine	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
N-Nitrosomethylethylamine	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
N-Nitrosomorpholine	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
N-Nitrosopiperidine	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
N-Nitrosopyrrolidine	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
o-Toluidine	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
p-Dimethylaminoazobenzene	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
Pentachlorobenzene	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
Pentachloroethane	ug/l																0.5	0.0005	0.19	1.85E-07	4.08E-07
Pentachloronitrobenzene	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
Pentachlorophenol	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
Phenacetin	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
Phenol	ug/l																2.7	0.0027	1.00	1.00E-06	2.20E-06
p-Phenylene diamine	ug/l																25	0.025	9.27	9.27E-06	2.04E-05
Pronamide	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
Pyridine	ug/l																5.0	0.005	1.85	1.85E-06	4.08E-06
Quinoline	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
Safrole	ug/l																2.5	0.0025	0.93	9.27E-07	2.04E-06
Polynuclear Aromatic Hydrocarbons (PAHs)																					
Acenaphthene	ug/l																0.03	0.000034	0.0126	1.26E-08	2.77E-08
Acenaphthylene	ug/l																0.01	0.0000125	0.0046	4.64E-09	1.02E-08
Benzo(a)anthracene	ug/l																0.01	0.0000125	0.0046	4.64E-09	1.02E-08
Benzo(a)pyrene	ug/l																0.01	0.0000125	0.0046	4.64E-09	1.02E-08
Benzo(b)fluoranthene	ug/l																0.01	0.0000125	0.0046	4.64E-09	1.02E-08
Benzo(g,h,i)perylene	ug/l																0.02	0.00002	0.0074	7.42E-09	1.63E-08
Benzo(k)fluoranthene	ug/l																0.01	0.0000125	0.0046	4.64E-09	1.02E-08
Chrysene	ug/l																0.01	0.0000125	0.0046	4.64E-09	1.02E-08
Dibenz(a,h)anthracene	ug/l																0.01	0.0000125	0.0046	4.64E-09	1.02E-08
Fluoranthene	ug/l																0.07	0.000069	0.0256	2.56E-08	5.63E-08
Fluorene	ug/l																0.02	0.000018	0.0067	6.68E-09	1.47E-08
Indeno(1,2,3-cd)pyrene	ug/l																0.01	0.0000125	0.0046	4.64E-09	1.02E-08
Naphthalene	ug/l																0.06	0.00006	0.0223	2.23E-08	4.90E-08
Phenanthrene	ug/l																0.04	0.000035	0.0130	1.30E-08	2.86E-08
Pyrene	ug/l																0.03	0.000031	0.0115	1.15E-08	2.53E-08
Metals, Total																					
Aluminum	mg/l																0.41	0.41	152.07	1.52E-04	3.35E-04
Antimony	mg/l																0.0025	0.0025	0.93	9.27E-07	2.04E-06
Arsenic	mg/l																0.0052	0.0052	1.93	1.93E-06	4.24E-06
Barium	mg/l																0.068	0.068	25.22	2.52E-05	5.55E-05
Beryllium	mg/l																0.001	0.001	0.37	3.71E-07	8.16E-07
Cadmium	mg/l																0.0021	0.0021	0.78	7.79E-07	1.71E-06
Calcium	mg/l																130	130	48218.30	4.82E-02	1.06E-01
Chromium	mg/l																0.0025	0.0025	0.93	9.27E-07	2.04E-06
Chromium, Hexavalent	mg/l																0.0025	0.0025	0.93	9.27E-07	2.04E-06
Cobalt	mg/l																0.0025	0.0025	0.93	9.27E-07	2.04E-06
Copper	mg/l																0.0037	0.0037	1.37	1.37E-06	3.02E-06
Iron	mg/l																1.8	1.8	667.64	6.68E-04	1.47E-03
Lead	mg/l																0.0025	0.0025	0.93	9.27E-07	2.04E-06
Lithium	mg/l																0.039	0.039	14.47	1.45E-05	3.18E-05
Magnesium	mg/l																4.1	4.1	1520.73	1.52E-03	3.35E-03
Manganese	mg/l																0.095	0.095	35.24	3.52E-05	7.75E-05
Mercury	mg/l																0.0001	0.0001	0.04	3.71E-08	8.16E-08
Nickel	mg/l																0.0025	0.0025	0.93	9.27E-07	2.04E-06
Potassium	mg/l																26	26	9643.66	9.64E-03	2.12E-02
Selenium	mg/l																0.005	0.005	1.85	1.85E-06	4.08E-06
Silver	mg/l																0.0025	0.0025	0.93	9.27E-07	2.04E-06
Sodium	mg/l																98	98	36349.18	3.63E-02	8.00E-02
Thallium	mg/l																0.005	0.005	1.85	1.85E-06	4.08E-06
Tin	mg/l																0.005	0.005	1.85	1.85E-06	4.08E-06
Vanadium	mg/l																0.0042	0.0042	1.56	1.56E-06	3.43E-06
Zinc	mg/l																0.0057	0.0057	2.11	2.11E-06	4.65E-06
Metals, Dissolved																					
Chromium, Hexavalent	mg/l																0.01	0.0068	2.52	2.52E-06	5.55E-06
General Chemistry																					
Ammonia	mg/l																3.9	3.9	1446.55	1.45E-03	3.18E-03
Cyanide, Reactive	mg/l																0.04	0.041	15.21	1.52E-05	3.35E-05

Table O
Mass of Chemicals Placed in CAMU Unit 2
East Side Groundwater ISM Compliance Monitoring - Second Quarter 2017
U.S. Steel - Gary Works
Gary, Indiana

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
Samples collected from June 16 to June 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 = 116.158 gallons
Volume of purge water placed in CAMU (liters): (116.158 gal)(3.79 liter/gal) = 440.24 liters
Mass of individual chemicals placed in CAMU = (concentration)(volume of purge water)