

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

Parameter	Location ID	CAMU-MW01R	CAMU-MW01R	CAMU-MW06R	CAMU-MW07	CAMU-P01R	CAMU-P06R	CAMU-P07	CAMU-MW02R	CAMU-MW-04R	CAMU-MW05
	Sample Type	Regular	Duplicate	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular
	Sample Date Units	08/14/17	08/14/17	08/14/17	08/14/17	08/14/17	08/14/17	08/14/17	08/15/17	08/15/17	08/15/17
Metals, Dissolved											
Arsenic	mg/l	0.0094	0.0097	0.0030	0.0025	0.0360	0.0450	0.0410	0.0025	0.0025	0.0025
Barium	mg/l	0.0210	0.0220	0.0310	0.0190	0.0600	0.2500	0.1000	0.0180	0.0710	0.0400
Cadmium	mg/l	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
Chromium	mg/l	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Lead	mg/l	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Lithium	mg/l	0.0160	0.0160	0.0048	0.0150	0.0061	0.0068	0.0160	0.0034	0.0063	0.0030
Selenium	mg/l	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0050	0.0025
Silver	mg/l	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Chromium, Hexavalent	mg/l	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Mercury	mg/l	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Polychlorinated biphenyls											
Aroclor 1268	ug/l	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Aroclor-1016	ug/l	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Aroclor-1221	ug/l	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Aroclor-1232	ug/l	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Aroclor-1242	ug/l	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Aroclor-1248	ug/l	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Aroclor-1254	ug/l	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Aroclor-1260	ug/l	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Aroclor-1262	ug/l	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Polychlorinated biphenyls, Total	ug/l	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Volatile Organic Compounds (VOCs)											
1,1,1,2-Tetrachloroethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
1,1,1-Trichloroethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
1,1,2,2-Tetrachloroethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
1,1,2-Trichloroethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
1,1-Dichloroethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
1,1-Dichloroethene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
1,2,3-Trichloropropane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
1,2-Dibromo-3-Chloropropane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
1,2-Dibromoethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
1,2-Dichloroethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
1,2-Dichloropropane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
2-Butanone	ug/l	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
2-Hexanone	ug/l	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
3-Chloro-1-propene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
4-Methyl-2-pentanone	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Acetone	ug/l	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Acetonitrile	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Acrolein	ug/l	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Acrylonitrile	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Benzene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Bromodichloromethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Bromoform	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Bromomethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Carbon disulfide	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Carbon tetrachloride	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Chlorobenzene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Chloroethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Chloroform	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Chloromethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Chloroprene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
cis-1,3-Dichloropropene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Dibromochloromethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Dibromomethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Dichlorodifluoromethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Ethyl methacrylate	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Ethylbenzene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Iodomethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Isobutanol	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Methacrylonitrile	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Methyl methacrylate	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Methylene Chloride	ug/l	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
Propionitrile	ug/l	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Styrene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Tetrachloroethene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Toluene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
trans-1,2-Dichloroethene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
trans-1,3-Dichloropropene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
trans-1,4-Dichloro-2-butene	ug/l	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Trichloroethene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Trichlorofluoromethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Vinyl acetate	ug/l	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
Vinyl chloride	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Xylenes (total)	ug/l	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50

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	Sample Type	Regular	Duplicate	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular
	Sample Date Units	08/14/17	08/14/17	08/14/17	08/14/17	08/14/17	08/14/17	08/14/17	08/15/17	08/15/17	08/15/17
Semi-Volatile Organic Compounds (SVOCs)											
1,2,4,5-Tetrachlorobenzene	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
1,2,4-Trichlorobenzene	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
1,2-Dichlorobenzene	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
1,3,5-Trinitrobenzene	ug/l	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	R
1,3-Dichlorobenzene	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
1,3-Dinitrobenzene	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
1,4-Dichlorobenzene	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
1,4-Dioxane	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
1,4-Naphthoquinone	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
1-Naphthylamine	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
2,3,4,6-Tetrachlorophenol	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
2,4,5-Trichlorophenol	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
2,4,6-Trichlorophenol	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
2,4-Dichlorophenol	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
2,4-Dimethylphenol	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
2,4-Dinitrophenol	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
2,4-Dinitrotoluene	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
2,6-Dichlorophenol	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
2,6-Dinitrotoluene	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
2-Acetylaminofluorene	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
2-Chloronaphthalene	ug/l	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	R
2-Chlorophenol	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
2-Methylnaphthalene	ug/l	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	R
2-Methylphenol	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
2-Naphthylamine	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
2-Nitroaniline	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
2-Nitrophenol	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
2-Picoline	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
3,3'-Dichlorobenzidine	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
3,3'-Dimethylbenzidine	ug/l	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	R
3-Methylcholanthrene	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
3-Methylphenol & 4-Methylphenol	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
3-Nitroaniline	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
4,6-Dinitro-2-methylphenol	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
4-Aminobiphenyl	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
4-Bromophenyl phenyl ether	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
4-Chloro-3-methylphenol	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
4-Chloroaniline	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
4-Chlorophenyl phenyl ether	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
4-Nitroaniline	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
4-Nitrophenol	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
4-Nitroquinoline-1-oxide	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
5-Nitro-o-toluidine	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
7,12-Dimethylbenz(a)anthracene	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
Acenaphthene	ug/l	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	R
Acenaphthylene	ug/l	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	R
Acetophenone	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
Aniline	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
Anthracene	ug/l	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	R
Aramite	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
Benzo(a)anthracene	ug/l	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	R
Benzo(a)pyrene	ug/l	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	R
Benzo(b)fluoranthene	ug/l	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	R
Benzo(g,h,i)perylene	ug/l	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	R
Benzo(k)fluoranthene	ug/l	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	R
Benzyl alcohol	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
bis(2-Chloroethoxy)methane	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
bis(2-Chloroethyl)ether	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
bis(2-Chloroisopropyl)ether	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
bis(2-Ethylhexyl)phthalate	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
Butyl benzyl phthalate	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
Carbazole	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
Chlorobenzilate	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
Chrysene	ug/l	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	R
Diallate	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
Dibenz(a,h)anthracene	ug/l	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	R
Dibenzofuran	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
Diethyl phthalate	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
Dimethyl phthalate	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
Di-n-butyl phthalate	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
Di-n-octyl phthalate	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
Dinoseb	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
Diphenylamine	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
Ethyl methanesulfonate	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
Fluoranthene	ug/l	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	R
Fluorene	ug/l	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	R
Hexachlorobenzene	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
Hexachlorobutadiene	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
Hexachlorocyclopentadiene	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R

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

Parameter	Location ID	CAMU-MW01R	CAMU-MW01R	CAMU-MW06R	CAMU-MW07	CAMU-P01R	CAMU-P06R	CAMU-P07	CAMU-MW02R	CAMU-MW-04R	CAMU-MW05
	Sample Type	Regular	Duplicate	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular
	Sample Date	08/14/17	08/14/17	08/14/17	08/14/17	08/14/17	08/14/17	08/14/17	08/15/17	08/15/17	08/15/17
	Units										
Hexachloroethane	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
Hexachlorophene	ug/l	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	R
Hexachloropropene	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
Indeno(1,2,3-cd)pyrene	ug/l	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	R
Isophorone	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
Isosafrole	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
Methapyrilene	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
Methyl methanesulfonate	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
Naphthalene	ug/l	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	R
Nitrobenzene	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
N-Nitrosodiethylamine	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
N-Nitrosodimethylamine	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
N-Nitrosodi-n-butylamine	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
N-Nitrosodi-n-propylamine	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
N-Nitrosodiphenylamine	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
N-Nitrosomethylethylamine	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
N-Nitrosomorpholine	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
N-Nitrosopiperidine	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
N-Nitrosopyrrolidine	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
o-Toluidine	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
p-Dimethylaminoazobenzene	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
Pentachlorobenzene	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
Pentachloroethane	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
Pentachloronitrobenzene	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
Pentachlorophenol	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
Phenacetin	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
Phenanthrene	ug/l	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	R
Phenol	ug/l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	R
Pronamide	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
Pyrene	ug/l	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	R
Pyridine	ug/l	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	R
Quinoline	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R
Safrole	ug/l	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	R

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

Parameter	Location ID	CAMU-MW05	CAMU-MW08	CAMU-MW09R	CAMU-P05	CAMU-P08	CAMU-P09	Median Concentration	Median Concentration mg/L	Mass of Chemicals in CAMU Purge Water Placed in CAMU Unit 2 (Based on Median Concentration)		
	Sample Type	Duplicate	Regular	Regular	Regular	Regular						
	Sample Date Units	08/15/17	08/15/17	08/15/17	08/15/17	08/15/17	08/15/17			Milligrams	Kilograms	Pounds
Metals, Dissolved												
Arsenic	mg/l	0.0025	0.0025	0.0024	0.040	0.069	0.015	0.0028	0.0028	0.413875	4.14E-07	9.11E-07
Barium	mg/l	0.0410	0.0250	0.0380	0.2800	0.2900	0.2200	0.0405	0.0405	6.09525	6.10E-06	1.34E-05
Cadmium	mg/l	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.1505	1.51E-07	3.31E-07
Chromium	mg/l	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.37625	3.76E-07	8.28E-07
Lead	mg/l	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.37625	3.76E-07	8.28E-07
Lithium	mg/l	0.0030	0.0130	0.0036	0.0043	0.0059	0.0061	0.0061	0.0061	0.91805	9.18E-07	2.02E-06
Selenium	mg/l	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.37625	3.76E-07	8.28E-07
Silver	mg/l	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.37625	3.76E-07	8.28E-07
Chromium, Hexavalent	mg/l	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.37625	3.76E-07	8.28E-07
Mercury	mg/l	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.01505	1.51E-08	3.31E-08
Polychlorinated biphenyls												
Aroclor 1268	ug/l	0.10	0.10	0.10	0.17	0.10	0.10	0.10	0.00010	0.01505	1.51E-08	3.31E-08
Aroclor-1016	ug/l	0.10	0.10	0.10	0.17	0.10	0.10	0.10	0.00010	0.01505	1.51E-08	3.31E-08
Aroclor-1221	ug/l	0.10	0.10	0.10	0.17	0.10	0.10	0.10	0.00010	0.01505	1.51E-08	3.31E-08
Aroclor-1232	ug/l	0.10	0.10	0.10	0.17	0.10	0.10	0.10	0.00010	0.01505	1.51E-08	3.31E-08
Aroclor-1242	ug/l	0.10	0.10	0.10	0.17	0.10	0.10	0.10	0.00010	0.01505	1.51E-08	3.31E-08
Aroclor-1248	ug/l	0.10	0.10	0.10	0.17	0.10	0.10	0.10	0.00010	0.01505	1.51E-08	3.31E-08
Aroclor-1254	ug/l	0.10	0.10	0.10	0.17	0.10	0.10	0.10	0.00010	0.01505	1.51E-08	3.31E-08
Aroclor-1260	ug/l	0.10	0.10	0.10	0.17	0.10	0.10	0.10	0.00010	0.01505	1.51E-08	3.31E-08
Aroclor-1262	ug/l	0.10	0.10	0.10	0.17	0.10	0.10	0.10	0.00010	0.01505	1.51E-08	3.31E-08
Polychlorinated biphenyls, Total	ug/l	0.10	0.10	0.10	0.17	0.10	0.10	0.10	0.00010	0.01505	1.51E-08	3.31E-08
Volatile Organic Compounds (VOCs)												
1,1,1,2-Tetrachloroethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
1,1,1-Trichloroethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
1,1,2,2-Tetrachloroethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
1,1,2-Trichloroethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
1,1-Dichloroethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
1,1-Dichloroethene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
1,2,3-Trichloropropane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
1,2-Dibromo-3-Chloropropane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
1,2-Dibromoethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
1,2-Dichloroethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
1,2-Dichloropropane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
2-Butanone	ug/l	2.50	2.50	2.50	2.50	2.50	2.50	2.50	0.00250	0.37625	3.76E-07	8.28E-07
2-Hexanone	ug/l	2.50	2.50	2.50	2.50	2.50	2.50	2.50	0.00250	0.37625	3.76E-07	8.28E-07
3-Chloro-1-propene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
4-Methyl-2-pentanone	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Acetone	ug/l	5.00	5.00	5.00	5.00	5.00	5.00	5.00	0.00500	0.7525	7.53E-07	1.66E-06
Acetonitrile	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Acrolein	ug/l	10.00	10.00	10.00	10.00	10.00	10.00	10.00	0.01000	1.505	1.51E-06	3.31E-06
Acrylonitrile	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Benzene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Bromodichloromethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Bromoform	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Bromomethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Carbon disulfide	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Carbon tetrachloride	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Chlorobenzene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Chloroethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Chloroform	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Chloromethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Chloroprene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
cis-1,3-Dichloropropene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Dibromochloromethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Dibromomethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Dichlorodifluoromethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Ethyl methacrylate	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Ethylbenzene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Iodomethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Isobutanol	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Methacrylonitrile	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Methyl methacrylate	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Methylene Chloride	ug/l	2.50	2.50	2.50	2.50	2.50	2.50	2.50	0.00250	0.37625	3.76E-07	8.28E-07
Propionitrile	ug/l	5.00	5.00	5.00	5.00	5.00	5.00	5.00	0.00500	0.7525	7.53E-07	1.66E-06
Styrene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Tetrachloroethene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Toluene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
trans-1,2-Dichloroethene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
trans-1,3-Dichloropropene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
trans-1,4-Dichloro-2-butene	ug/l	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00100	0.1505	1.51E-07	3.31E-07
Trichloroethene	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Trichlorofluoromethane	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Vinyl acetate	ug/l	2.50	2.50	2.50	2.50	2.50	2.50	2.50	0.00250	0.37625	3.76E-07	8.28E-07
Vinyl chloride	ug/l	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00050	0.07525	7.53E-08	1.66E-07
Xylenes (total)	ug/l	1.50	1.50	1.50	1.50	1.50	1.50	1.50	0.00150	0.22575	2.26E-07	4.97E-07

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

Parameter	Location ID	CAMU-MW05	CAMU-MW08	CAMU-MW09R	CAMU-P05	CAMU-P08	CAMU-P09	Median Concentration	Median	Mass of Chemicals in CAMU Purge Water Placed in CAMU Unit 2 (Based on Median Concentration)		
	Sample Type	Duplicate	Regular	Regular	Regular	Regular	Concentration					
	Sample Date Units	08/15/17	08/15/17	08/15/17	08/15/17	08/15/17	mg/L		Milligrams		Kilograms	Pounds
Semi-Volatile Organic Compounds (SVOCs)												
1,2,4,5-Tetrachlorobenzene	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
1,2,4-Trichlorobenzene	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
1,2-Dichlorobenzene	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
1,3,5-Trinitrobenzene	ug/l	13.50	13.50	13.50	10.00	13.50	13.50	13.50	0.01350	2.03175	2.03E-06	4.47E-06
1,3-Dichlorobenzene	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
1,3-Dinitrobenzene	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
1,4-Dichlorobenzene	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
1,4-Dioxane	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
1,4-Naphthoquinone	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
1-Naphthylamine	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
2,3,4,6-Tetrachlorophenol	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
2,4,5-Trichlorophenol	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
2,4,6-Trichlorophenol	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
2,4-Dichlorophenol	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
2,4-Dimethylphenol	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
2,4-Dinitrophenol	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
2,4-Dinitrotoluene	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
2,6-Dichlorophenol	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
2,6-Dinitrotoluene	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
2-Acetylaminofluorene	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
2-Chloronaphthalene	ug/l	0.14	0.14	0.14	0.10	0.14	0.14	0.14	0.00014	0.02107	2.11E-08	4.64E-08
2-Chlorophenol	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
2-Methylnaphthalene	ug/l	0.14	0.14	0.14	0.10	0.14	0.14	0.14	0.00014	0.02107	2.11E-08	4.64E-08
2-Methylphenol	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
2-Naphthylamine	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
2-Nitroaniline	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
2-Nitrophenol	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
2-Picoline	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
3,3'-Dichlorobenzidine	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
3,3'-Dimethylbenzidine	ug/l	33.50	33.50	33.50	25.00	33.50	33.50	33.50	0.03350	5.04175	5.04E-06	1.11E-05
3-Methylcholanthrene	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
3-Methylphenol & 4-Methylphenol	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
3-Nitroaniline	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
4,6-Dinitro-2-methylphenol	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
4-Aminobiphenyl	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
4-Bromophenyl phenyl ether	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
4-Chloro-3-methylphenol	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
4-Chloroaniline	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
4-Chlorophenyl phenyl ether	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
4-Nitroaniline	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
4-Nitrophenol	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
4-Nitroquinoline-1-oxide	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
5-Nitro-o-toluidine	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
7,12-Dimethylbenz(a)anthracene	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
Acenaphthene	ug/l	0.14	0.14	0.14	0.10	0.14	0.14	0.14	0.00014	0.02107	2.11E-08	4.64E-08
Acenaphthylene	ug/l	0.14	0.14	0.14	0.10	0.14	0.14	0.14	0.00014	0.02107	2.11E-08	4.64E-08
Acetophenone	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
Aniline	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
Anthracene	ug/l	0.14	0.14	0.14	0.10	0.14	0.14	0.14	0.00014	0.02107	2.11E-08	4.64E-08
Aramite	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
Benzo(a)anthracene	ug/l	0.14	0.14	0.14	0.10	0.14	0.14	0.14	0.00014	0.02107	2.11E-08	4.64E-08
Benzo(a)pyrene	ug/l	0.14	0.14	0.14	0.10	0.14	0.14	0.14	0.00014	0.02107	2.11E-08	4.64E-08
Benzo(b)fluoranthene	ug/l	0.14	0.14	0.14	0.10	0.14	0.14	0.14	0.00014	0.02107	2.11E-08	4.64E-08
Benzo(g,h,i)perylene	ug/l	0.14	0.14	0.14	0.10	0.14	0.14	0.14	0.00014	0.02107	2.11E-08	4.64E-08
Benzo(k)fluoranthene	ug/l	0.14	0.14	0.14	0.10	0.14	0.14	0.14	0.00014	0.02107	2.11E-08	4.64E-08
Benzyl alcohol	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
bis(2-Chloroethoxy)methane	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
bis(2-Chloroethyl)ether	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
bis(2-Chloroisopropyl)ether	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
bis(2-Ethylhexyl)phthalate	ug/l	1.35	1.35	1.35	8.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
Butyl benzyl phthalate	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
Carbazole	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
Chlorobenzilate	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
Chrysene	ug/l	0.14	0.14	0.14	0.10	0.14	0.14	0.14	0.00014	0.02107	2.11E-08	4.64E-08
Diallate	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
Dibenz(a,h)anthracene	ug/l	0.14	0.14	0.14	0.10	0.14	0.14	0.14	0.00014	0.02107	2.11E-08	4.64E-08
Dibenzofuran	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
Diethyl phthalate	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
Dimethyl phthalate	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
Di-n-butyl phthalate	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
Di-n-octyl phthalate	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
Dinoseb	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
Diphenylamine	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.4

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

Parameter	Location ID	CAMU-MW05	CAMU-MW08	CAMU-MW09R	CAMU-P05	CAMU-P08	CAMU-P09	Median Concentration	Median Concentration mg/L	Mass of Chemicals in CAMU Purge Water Placed in CAMU Unit 2 (Based on Median Concentration)		
	Sample Type	Duplicate	Regular	Regular	Regular	Regular	Regular					
	Sample Date Units	08/15/17	08/15/17	08/15/17	08/15/17	08/15/17	08/15/17			Milligrams	Kilograms	Pounds
Hexachloroethane	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
Hexachlorophene	ug/l	105.00	105.00	105.00	80.00	105.00	105.00	105.00	0.10500	15.8025	1.58E-05	3.48E-05
Hexachloropropene	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
Indeno(1,2,3-cd)pyrene	ug/l	0.14	0.14	0.14	0.10	0.14	0.14	0.14	0.00014	0.02107	2.11E-08	4.64E-08
Isophorone	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
Isosafrole	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
Methapyriline	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
Methyl methanesulfonate	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
Naphthalene	ug/l	0.14	0.14	0.14	0.10	0.14	0.14	0.14	0.00014	0.02107	2.11E-08	4.64E-08
Nitrobenzene	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
N-Nitrosodiethylamine	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
N-Nitrosodimethylamine	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
N-Nitrosodi-n-butylamine	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
N-Nitrosodi-n-propylamine	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
N-Nitrosodiphenylamine	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
N-Nitrosomethylethylamine	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
N-Nitrosomorpholine	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
N-Nitrosopiperidine	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
N-Nitrosopyrrolidine	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
o-Toluidine	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
p-Dimethylaminoazobenzene	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
Pentachlorobenzene	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
Pentachloroethane	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
Pentachloronitrobenzene	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
Pentachlorophenol	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
Phenacetin	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
Phenanthrene	ug/l	0.14	0.14	0.14	0.10	0.14	0.14	0.14	0.00014	0.02107	2.11E-08	4.64E-08
Phenol	ug/l	1.35	1.35	1.35	1.00	1.35	1.35	1.35	0.00135	0.203175	2.03E-07	4.47E-07
Pronamide	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
Pyrene	ug/l	0.14	0.14	0.14	0.10	0.14	0.14	0.14	0.00014	0.02107	2.11E-08	4.64E-08
Pyridine	ug/l	13.50	13.50	13.50	10.00	13.50	13.50	13.50	0.01350	2.03175	2.03E-06	4.47E-06
Quinoline	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06
Safrole	ug/l	6.50	6.50	6.50	5.00	6.50	6.50	6.50	0.00650	0.97825	9.78E-07	2.15E-06

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

Notes:
ug/l = micrograms per liter
mg/l = milligrams per liter
R = Rejecte result; no value is presented
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 14 - 15, 2017.
Per TRI Reporting guidance, the median value is used when a range of data values is present.
Volume of purge water placed in CAMU = 39.71 gallons
Volume of purge water placed in CAMU (liters): (39.71 gal)(3.79 liter/gal) = 150.50 liter
Mass of individual chemicals placed in CAMU = (concentration)(volume of purge water)