

Table 4
Summary of 2017 CAMU Groundwater Results
U. S. Steel - Gary Works
Gary, Indiana

									Location ID	CAMU-MW01R	CAMU-MW01R	CAMU-MW02R	CAMU-MW04	CAMU-MW05	CAMU-MW05	CAMU-MW06R	CAMU-MW07	CAMU-MW08	CAMU-MW08	CAMU-MW08	
									Sample Date	08/14/17	08/14/17	08/15/17	08/15/17	08/15/17	08/15/17	08/14/17	08/14/17	03/07/17	06/21/17	08/15/17	
									Sample Type	N	FD	N	N	N	FD	N	N	N	N	N	
Parameter	Units	Interwell Prediction Limits - Shallow Wells	Interwell Prediction Limits - Deep Wells	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	USEPA MCLs	USEPA Tapwater RSLs	USS Gary Works ESVs	Shallow Well Upgradient	Shallow Well Upgradient	Shallow Well Side-gradient	Shallow Well Side-gradient	Shallow Well Downgradient	Shallow Well Downgradient	Shallow Well Upgradient	Shallow Well Upgradient	Shallow Well Downgradient	Shallow Well Downgradient	Shallow Well Downgradient	
Total Metals																					
Arsenic	mg/l	0.036	0.07	0.036	0.1083	0.07	0.01	0.000052	0.15												
Barium	mg/l	0.1231	0.742	0.1231	0.3204	0.3526	2	3.8	0.438												
Cadmium	mg/l	0.005	0.007	0.005	0.007	0.007	0.005	0.0092	0.0022												
Chromium	mg/l	0.01059	0.02	0.01059	0.02	0.02	0.1		0.074												
Hexavalent Chromium	mg/l	0.005	0.01	0.005	0.01	0.01		0.000035													
Lead	mg/l	0.08	0.19	0.08	0.19	0.19	0.015	0.015	0.0025												
Lithium	mg/l	0.028	0.015	0.1244	0.015	0.015		0.04	0.014									0.026			
Mercury	mg/l	0.0002	0.001	0.0002	0.001	0.001	0.002	0.0057	0.00077												
Selenium	mg/l	0.21	0.17	0.21	0.17	0.17	0.05	0.1	0.0046												
Silver	mg/l	0.02	0.02	0.02	0.02	0.02		0.094	0.00058												
Dissolved Metals																					
Arsenic	mg/l	0.036	0.07	0.036	0.1083	0.07	0.01	0.000052	0.15	0.0094	0.0097	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0030 J	0.0050 U			0.0050 U	
Barium	mg/l	0.1231	0.742	0.1231	0.3204	0.3526	2	3.8	0.438	0.021	0.022	0.018	0.071	0.040	0.041	0.031	0.019			0.025	
Cadmium	mg/l	0.005	0.007	0.005	0.007	0.007	0.005	0.0092	0.0022	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U			0.0020 U	
Chromium	mg/l	0.01059	0.02	0.01059	0.02	0.02	0.1		0.074	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U			0.0050 U	
Hexavalent Chromium	mg/l	0.005	0.01	0.005	0.01	0.01		0.000035		0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U			0.0050 U	
Lead	mg/l	0.08	0.19	0.08	0.19	0.19	0.015	0.015	0.0025	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U			0.0050 U	
Lithium	mg/l	0.028	0.015	0.1244	0.015	0.015		0.04	0.014	0.016	0.016	0.0034 J	0.0063 J	0.0030 J	0.0030 J	0.0048 J	0.015		0.024	0.013	
Mercury	mg/l	0.0002	0.001	0.0002	0.001	0.001	0.002	0.0057	0.00077	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U			0.00020 U	
Selenium	mg/l	0.21	0.17	0.21	0.17	0.17	0.05	0.1	0.0046	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U			0.0050 U	
Silver	mg/l	0.02	0.02	0.02	0.02	0.02		0.094	0.00058	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U			0.0050 U	
Polychlorinated Biphenyls (PCBs)																					
Aroclor-1016	ug/l							0.22	0.014	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U			0.20 U	
Aroclor-1221	ug/l							0.0047	0.014	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U			0.20 U	
Aroclor-1232	ug/l							0.0047	0.014	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U			0.20 U	
Aroclor-1242	ug/l							0.0078	0.014	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U			0.20 U	
Aroclor-1248	ug/l							0.0078	0.014	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U			0.20 U	
Aroclor-1254	ug/l							0.0078	0.014	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U			0.20 U	
Aroclor-1260	ug/l							0.0078	0.014	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U			0.20 U	
Aroclor-1262	ug/l									0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U			0.20 U	
Aroclor 1268	ug/l									0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U			0.20 U	
Polychlorinated biphenyls, Total	ug/l						0.5		0.00012	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U			0.20 U	
Volatile Organic Compounds (VOCs)																					
1,1,1,2-Tetrachloroethane	ug/l							0.57	100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U	
1,1,1-Trichloroethane	ug/l						200	8000	410	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U	
1,1,2,2-Tetrachloroethane	ug/l							0.076	100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U	
1,1,2-Trichloroethane	ug/l						5	0.28	87	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U	
1,1-Dichloroethane	ug/l							2.8	740	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U	
1,1-Dichloroethene	ug/l						7	2.8	210	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U	
1,2,3-Trichloropropane	ug/l							0.00075		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U	
1,2-Dibromo-3-Chloropropane [Chloroprene]	ug/l						0.2	0.00033		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U	
1,2-Dibromoethane	ug/l						0.05	0.0075		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U	
1,2-Dichloroethane	ug/l						5	0.17	980	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U	
1,2-Dichloropropane	ug/l						5	0.85	360	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U	
2-Butanone [Methyl ethyl ketone]	ug/l							5600	14000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U			5.0 U	
2-Hexanone	ug/l							38	99	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U			5.0 U	
3-Chloro-1-propene [Allyl chloride]	ug/l							0.73		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U	
4-Methyl-2-pentanone [Methyl isobutyl ketone]	ug/l							6300	170	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U	
Acetone	ug/l							14000	1700	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 U	
Acetonitrile	ug/l							130	12000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U	
Acrolein	ug/l							0.042	0.19	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U			20 U	
Acrylonitrile	ug/l							0.052	63	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U	
Benzene	ug/l						5	0.46	98	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U	
Bromodichloromethane	ug/l						80	0.13		1.0 U	1.0 U	1.0 U									

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Parameter	Units	Interwell Prediction Limits - <i>Shallow Wells</i>	Interwell Prediction Limits - <i>Deep Wells</i>	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	USEPA MCLs	USEPA Tapwater RSLs	Location ID	CAMU-MW01R	CAMU-MW01R	CAMU-MW02R	CAMU-MW04	CAMU-MW05	CAMU-MW05	CAMU-MW06R	CAMU-MW07	CAMU-MW08	CAMU-MW08	CAMU-MW08
									Sample Date	08/14/17	08/14/17	08/15/17	08/15/17	08/15/17	08/15/17	08/14/17	08/14/17	03/07/17	06/21/17	08/15/17
									Sample Type	N	FD	N	N	N	FD	N	N	N	N	N
									USS Gary Works ESVs	Shallow Well Upgradient	Shallow Well Upgradient	Shallow Well Side-gradient	Shallow Well Side-gradient	Shallow Well Downgradient	Shallow Well Downgradient	Shallow Well Upgradient	Shallow Well Upgradient	Shallow Well Downgradient	Shallow Well Downgradient	Shallow Well Downgradient
Methacrylonitrile	ug/l							1.9		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U
Methyl methacrylate	ug/l							1400	2800	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U
Methylene Chloride	ug/l						5	11	1500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U			5.0 U
Propionitrile	ug/l									10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 U
Styrene	ug/l						100	1200	32	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U
Tetrachloroethene	ug/l						5	11	60	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U
Toluene	ug/l						1000	1100	94	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U
trans-1,2-Dichloroethene	ug/l						100	360	560	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U
trans-1,3-Dichloropropene	ug/l								1.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U
trans-1,4-Dichloro-2-butene	ug/l							0.0013		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U			2.0 U
Trichloroethene	ug/l						5	0.49	260	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U
Trichlorofluoromethane	ug/l							5200		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U
Vinyl acetate	ug/l							410	248	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U			5.0 U
Vinyl chloride	ug/l						2	0.019	930	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			1.0 U
Xylenes (total)	ug/l						10000	190	35	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U			3.0 U
Semi-volatile Organic Compounds (SVOCs)																				
1,2,4,5-Tetrachlorobenzene	ug/l							1.7	8.3	13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
1,2,4-Trichlorobenzene	ug/l						70	1.2	30	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
1,2-Dichlorobenzene	ug/l						600	300	14	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
1,3,5-Trinitrobenzene	ug/l							590	10	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
1,3-Dichlorobenzene	ug/l								52	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
1,3-Dinitrobenzene	ug/l							2	22	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
1,4-Dichlorobenzene	ug/l						75	0.48	16	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
1,4-Dioxane	ug/l							0.46	22000	13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
1,4-Naphthoquinone	ug/l									13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
1-Naphthylamine	ug/l								29.9	13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
2,3,4,6-Tetrachlorophenol	ug/l							240	1.2	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
2,4,5-Trichlorophenol	ug/l							1200	1.9	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
2,4,6-Trichlorophenol	ug/l							4.1	1.4	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
2,4-Dichlorophenol	ug/l							46	17	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
2,4-Dimethylphenol	ug/l							360	21	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
2,4-Dinitrophenol	ug/l							39	19	13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
2,4-Dinitrotoluene	ug/l							0.24	44	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
2,6-Dichlorophenol	ug/l								0.2	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
2,6-Dinitrotoluene	ug/l								81	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
2-Acetylaminofluorene	ug/l							0.016	535	13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
2-Chloronaphthalene [Beta-chloronaphthalene]	ug/l							750	0.396	0.27 U	0.27 U	0.27 U	0.27 U	R	0.27 U	0.27 U	0.27 U			0.27 U
2-Chlorophenol	ug/l							91	24	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
2-Methylnaphthalene	ug/l							36	330	0.27 U	0.27 U	0.27 U	0.27 U	R	0.27 U	0.27 U	0.27 U			0.27 U
2-Methylphenol [o-cresol]	ug/l							930	67	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
2-Naphthylamine	ug/l							0.039	29.9	13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
2-Nitroaniline	ug/l							190		2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
2-Nitrophenol	ug/l								73	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
2-Picoline	ug/l								3833	13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
3,3'-Dichlorobenzidine	ug/l							0.13	4.5	13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
3,3'-Dimethylbenzidine	ug/l							0.0065		67 U	67 U	67 U	67 U	R	67 U	67 U	67 U			67 U
3-Methylcholanthrene	ug/l							0.0011	0.0891	13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
3-Methylphenol & 4-Methylphenol* [m&p-cresol]	ug/l							930	53	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
3-Nitroaniline	ug/l									2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
4,6-Dinitro-2-methylphenol [4,6-Dinitro-o-cresol]	ug/l							1.5	23	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
4-Aminobiphenyl	ug/l							0.003		13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
4-Bromophenyl phenyl ether	ug/l								1.5	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
4-Chloro-3-methylphenol [p-Chloro-m-cresol]	ug/l							1400	34.8	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
4-Chloroaniline [p-Chloroaniline]	ug/l							0.37	232	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
4-Chlorophenyl phenyl ether	ug/l									2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
4-Nitroaniline	ug/l							3.8		2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
4-Nitrophenol	ug/l								58	13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
4-Nitroquinoline-1-oxide	ug/l									13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
5-Nitro-o-toluidine [2-Methyl-5-Nitroaniline]	ug/l							8.2	22	13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
7,12-Dimethylbenz(a)anthracene	ug/l							0.0001	0.548	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
Acenaphthene	ug/l							530	27	0.27 U	0.27 U	0.27 U	0.27 U	R	0.27 U	0.27 U	0.27 U			0.27 U
Acenaphthylene	ug/l								4840	0.27 U	0.27 U	0.27 U	0.27 U	R	0.27 U	0.27 U	0.27 U			0.27 U
Acetophenone	ug/l							1900		2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
Aniline	ug/l							13	4.1	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
Anthracene	ug/l							1800	0.68	0.27 U	0.27 U	0.27 U	0.27 U	R	0.27 U	0.27 U	0.27 U			0.27 U
Aramite	ug/l							3.1	3.09	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
Benzo(a)anthracene	ug/l							0.03	0.025	0.27 U	0.27 U	0.27 U	0.27 U	R	0.27 U	0.27 U	0.27 U			0.27 U
Benzo(a)pyrene	ug/l						0.2	0.025	0.014	0.27 U	0.27 U	0.27 U	0.27 U	R	0.27 U	0.27 U	0.27 U			0.27 U
Benzo(b)fluoranthene	ug/l							0.25	9.07	0.27 U	0.27 U	0.27 U	0.27 U	R	0.27 U	0.27 U	0.27 U			0.27 U
Benzo(g,h,i)perylene	ug/l								7.64	0.27 U	0.27 U	0.27 U	0.27 U	R	0.27 U	0.27 U	0.27 U			0.27 U
Benzo(k)fluoranthene	ug/l							2.5	0.6415	0.27 U	0.27 U	0.27 U	0.27 U	R	0.27 U	0.27 U	0.27 U			0.27 U
Benzyl alcohol	ug/l							2000	8.6	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
bis(2-Chloroethoxy)methane	ug/l							59		2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U

Table 4
Summary of 2017 CAMU Groundwater Results
U. S. Steel - Gary Works
Gary, Indiana

Parameter	Units	Interwell Prediction Limits - <i>Shallow Wells</i>	Interwell Prediction Limits - <i>Deep Wells</i>	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	USEPA MCLs	USEPA Tapwater RSLs	Location ID	CAMU-MW01R	CAMU-MW01R	CAMU-MW02R	CAMU-MW04	CAMU-MW05	CAMU-MW05	CAMU-MW06R	CAMU-MW07	CAMU-MW08	CAMU-MW08	CAMU-MW08
									Sample Date	08/14/17	08/14/17	08/15/17	08/15/17	08/15/17	08/15/17	08/14/17	08/14/17	03/07/17	06/21/17	08/15/17
									Sample Type	N	FD	N	N	N	FD	N	N	N	N	N
									USS Gary Works ESVs	Shallow Well Upgradient	Shallow Well Upgradient	Shallow Well Side-gradient	Shallow Well Side-gradient	Shallow Well Downgradient	Shallow Well Downgradient	Shallow Well Upgradient	Shallow Well Upgradient	Shallow Well Downgradient	Shallow Well Downgradient	Shallow Well Downgradient
bis(2-Chloroethyl)ether	ug/l							0.014	19000	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
bis(2-Chloroisopropyl)ether [bis(2-chloro-1-methylethyl)ether]	ug/l							710		2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
bis(2-Ethylhexyl)phthalate	ug/l						6	5.6	0.3	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
Butyl benzyl phthalate	ug/l							16	23	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
Carbazole	ug/l								7.4	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
Chlorobenzilate	ug/l							0.31	7.16	13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
Chrysene	ug/l							25	2.04	0.27 U	0.27 U	0.27 U	0.27 U	R	0.27 U	0.27 U	0.27 U			0.27 U
Diallate	ug/l							0.54		13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
Dibenz(a,h)anthracene	ug/l							0.025	0.02825	0.27 U	0.27 U	0.27 U	0.27 U	R	0.27 U	0.27 U	0.27 U			0.27 U
Dibenzofuran	ug/l							7.9	7.3	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
Diethyl phthalate	ug/l							15000	110	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
Dimethyl phthalate	ug/l								1000	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
Di-n-butyl phthalate [Dibutyl phthalate]	ug/l							900	19	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
Di-n-octyl phthalate	ug/l							200	30	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
Dinoseb	ug/l						7	15		13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
Diphenylamine	ug/l							1300	412	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
Ethyl methanesulfonate	ug/l									13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
Fluoranthene	ug/l							800	3.6	0.27 U	0.27 U	0.27 U	0.27 U	R	0.27 U	0.27 U	0.27 U			0.27 U
Fluorene	ug/l							290	2.4	0.27 U	0.27 U	0.27 U	0.27 U	R	0.27 U	0.27 U	0.27 U			0.27 U
Hexachlorobenzene	ug/l						1	0.0098	0.0003	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
Hexachlorobutadiene	ug/l							0.14	0.053	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
Hexachlorocyclopentadiene	ug/l						50	0.41	77	13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
Hexachloroethane	ug/l							0.33	8	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
Hexachlorophene	ug/l							6		210 U	210 U	210 U	210 U	R	210 U	210 U	210 U			210 U
Hexachloropropene	ug/l									13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
Indeno(1,2,3-cd)pyrene	ug/l							0.25	4.31	0.27 U	0.27 U	0.27 U	0.27 U	R	0.27 U	0.27 U	0.27 U			0.27 U
Isophorone	ug/l							78	830	13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
Isosafrole	ug/l									13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
Methapyriline	ug/l									13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
Methyl methanesulfonate	ug/l							0.79		13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
Naphthalene	ug/l							0.17	26	0.27 U	0.27 U	0.27 U	0.27 U	R	0.27 U	0.27 U	0.27 U			0.27 U
Nitrobenzene	ug/l							0.14	220	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
N-Nitrosodiethylamine	ug/l							0.00017	768	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
N-Nitrosodimethylamine	ug/l							0.00011		2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
N-Nitrosodi-n-butylamine	ug/l							0.0027		2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
N-Nitrosodi-n-propylamine	ug/l							0.011	25	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
N-Nitrosodiphenylamine	ug/l							12	25	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
N-Nitrosomethylethylamine	ug/l							0.00071		13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
N-Nitrosomorpholine	ug/l							0.012		13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
N-Nitrosopiperidine	ug/l							0.0083		13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
N-Nitrosopyrrolidine	ug/l							0.037		13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
o-Toluidine	ug/l							4.7		13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
p-Dimethylaminoazobenzene	ug/l							0.005		13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
Pentachlorobenzene	ug/l							3.2	3.1	13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
Pentachloroethane	ug/l							0.65	56.4	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
Pentachloronitrobenzene	ug/l							0.12		13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
Pentachlorophenol	ug/l						1	0.041	5.7	13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
Phenacetin	ug/l							34		13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
Phenanthrene	ug/l								0.93	0.27 U	0.27 U	0.27 U	0.27 U	R	0.27 U	0.27 U	0.27 U			0.27 U
Phenol	ug/l							5800	180	2.7 U	2.7 U	2.7 U	2.7 U	R	2.7 U	2.7 U	2.7 U			2.7 U
Pronamide [Propyzamide]	ug/l							1200		13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
Pvrene	ug/l							120	0.3	0.27 U	0.27 U	0.27 U	0.27 U	R	0.27 U	0.27 U	0.27 U			0.27 U
Pvridine	ug/l							20	2380	27 U	27 U	27 U	27 U	R	27 U	27 U	27 U			27 U
Quinoline	ug/l							0.024	3.4	13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U
Safrole	ug/l							0.096		13 U	13 U	13 U	13 U	R	13 U	13 U	13 U			13 U

Table 4
Summary of 2017 CAMU Groundwater Results
U. S. Steel - Gary Works
Gary, Indiana

										Location ID	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-P01R	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P06R	CAMU-P07	CAMU-P08
										Sample Date	03/07/17	06/21/17	08/15/17	08/14/17	03/07/17	03/07/17	06/21/17	08/15/17	08/14/17	08/14/17	03/07/17
										Sample Type	N	N	N	N	N	FD	N	N	N	N	N
Parameter	Units	Interwell Prediction Limits - Shallow Wells	Interwell Prediction Limits - Deep Wells	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	USEPA MCLs	USEPA Tapwater RSLs	USS Gary Works ESVs	Shallow Well Downgradient	Shallow Well Downgradient	Shallow Well Downgradient	Deep Well Upgradient	Deep Well Downgradient	Deep Well Downgradient	Deep Well Downgradient	Deep Well Downgradient	Deep Well Downgradient	Deep Well Upgradient	Deep Well Upgradient	Deep Well Downgradient
Total Metals																					
Arsenic	mg/l	0.036	0.07	0.036	0.1083	0.07	0.01	0.000052	0.15												
Barium	mg/l	0.1231	0.742	0.1231	0.3204	0.3526	2	3.8	0.438												
Cadmium	mg/l	0.005	0.007	0.005	0.007	0.007	0.005	0.0092	0.0022												
Chromium	mg/l	0.01059	0.02	0.01059	0.02	0.02	0.1		0.074												
Hexavalent Chromium	mg/l	0.005	0.01	0.005	0.01	0.01		0.000035		0.0020 J				0.0058	0.0058						0.011
Lead	mg/l	0.08	0.19	0.08	0.19	0.19	0.015	0.015	0.0025												
Lithium	mg/l	0.028	0.015	0.1244	0.015	0.015		0.04	0.014												
Mercury	mg/l	0.0002	0.001	0.0002	0.001	0.001	0.002	0.0057	0.00077												
Selenium	mg/l	0.21	0.17	0.21	0.17	0.17	0.05	0.1	0.0046												
Silver	mg/l	0.02	0.02	0.02	0.02	0.02		0.094	0.00058												
Dissolved Metals																					
Arsenic	mg/l	0.036	0.07	0.036	0.1083	0.07	0.01	0.000052	0.15			0.0024 J	0.036					0.040	0.045	0.041	
Barium	mg/l	0.1231	0.742	0.1231	0.3204	0.3526	2	3.8	0.438			0.038	0.060					0.28	0.25	0.10	
Cadmium	mg/l	0.005	0.007	0.005	0.007	0.007	0.005	0.0092	0.0022			0.0020 U	0.0020 U					0.0020 U	0.0020 U	0.0020 U	
Chromium	mg/l	0.01059	0.02	0.01059	0.02	0.02	0.1		0.074			0.0050 U	0.0050 U					0.0050 U	0.0050 U	0.0050 U	
Hexavalent Chromium	mg/l	0.005	0.01	0.005	0.01	0.01		0.000035		0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Lead	mg/l	0.08	0.19	0.08	0.19	0.19	0.015	0.015	0.0025			0.0050 U	0.0050 U					0.0050 U	0.0050 U	0.0050 U	
Lithium	mg/l	0.028	0.015	0.1244	0.015	0.015		0.04	0.014			0.0036 J	0.0061 J					0.0043 J	0.0068 J	0.016	
Mercury	mg/l	0.0002	0.001	0.0002	0.001	0.001	0.002	0.0057	0.00077			0.00020 U	0.00020 U					0.00020 U	0.00020 U	0.00020 U	
Selenium	mg/l	0.21	0.17	0.21	0.17	0.17	0.05	0.1	0.0046			0.0050 U	0.0050 U					0.0050 U	0.0050 U	0.0050 U	
Silver	mg/l	0.02	0.02	0.02	0.02	0.02		0.094	0.00058			0.0050 U	0.0050 U					0.0050 U	0.0050 U	0.0050 U	
Polychlorinated Biphenyls (PCBs)																					
Aroclor-1016	ug/l							0.22	0.014				0.20 U	0.20 U				0.34 U	0.20 U	0.20 U	
Aroclor-1221	ug/l							0.0047	0.014				0.20 U	0.20 U				0.34 U	0.20 U	0.20 U	
Aroclor-1232	ug/l							0.0047	0.014				0.20 U	0.20 U				0.34 U	0.20 U	0.20 U	
Aroclor-1242	ug/l							0.0078	0.014				0.20 U	0.20 U				0.34 U	0.20 U	0.20 U	
Aroclor-1248	ug/l							0.0078	0.014				0.20 U	0.20 U				0.34 U	0.20 U	0.20 U	
Aroclor-1254	ug/l							0.0078	0.014				0.20 U	0.20 U				0.34 U	0.20 U	0.20 U	
Aroclor-1260	ug/l							0.0078	0.014				0.20 U	0.20 U				0.34 U	0.20 U	0.20 U	
Aroclor-1262	ug/l												0.20 U	0.20 U				0.34 U	0.20 U	0.20 U	
Aroclor 1268	ug/l												0.20 U	0.20 U				0.34 U	0.20 U	0.20 U	
Polychlorinated biphenyls, Total	ug/l						0.5		0.00012				0.20 U	0.20 U				0.34 U	0.20 U	0.20 U	
Volatile Organic Compounds (VOCs)																					
1,1,1,2-Tetrachloroethane	ug/l							0.57	100				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
1,1,1-Trichloroethane	ug/l						200	8000	410				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
1,1,2,2-Tetrachloroethane	ug/l							0.076	100				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
1,1,2-Trichloroethane	ug/l						5	0.28	87				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
1,1-Dichloroethane	ug/l							2.8	740				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
1,1-Dichloroethene	ug/l						7	2.8	210				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
1,2,3-Trichloropropane	ug/l							0.00075					1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
1,2-Dibromo-3-Chloropropane [Chloroprene]	ug/l						0.2	0.00033					1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
1,2-Dibromoethane	ug/l						0.05	0.0075					1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
1,2-Dichloroethane	ug/l						5	0.17	980				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
1,2-Dichloropropane	ug/l						5	0.85	360				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
2-Butanone [Methyl ethyl ketone]	ug/l							5600	14000				5.0 U	5.0 U				5.0 U	5.0 U	5.0 U	
2-Hexanone	ug/l							38	99				5.0 U	5.0 U				5.0 U	5.0 U	5.0 U	
3-Chloro-1-propene [Allyl chloride]	ug/l							0.73					1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
4-Methyl-2-pentanone [Methyl isobutyl ketone]	ug/l							6300	170				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Acetone	ug/l							14000	1700				10 U	10 U				10 U	10 U	10 U	
Acetonitrile	ug/l							130	12000				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Acrolein	ug/l							0.042	0.19				20 U	20 U				20 U	20 U	20 U	
Acrylonitrile	ug/l							0.052	63				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Benzene	ug/l						5	0.46	98				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Bromodichloromethane	ug/l						80	0.13					1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Bromoform	ug/l						80	3.3	61				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Bromomethane	ug/l							7.5	16				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Carbon disulfide	ug/l							810	15				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Carbon tetrachloride	ug/l						5	1.1	40				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Chlorobenzene	ug/l						100	78	47				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Chloroethane	ug/l												1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Chloroform	ug/l						80	0.22	170				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Chloromethane	ug/l							190					1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Chloroprene [2-Chloro-1,3-butadiene]	ug/l							0.019					1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
cis-1,3-Dichloropropene	ug/l												1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Dibromochloromethane	ug/l						80	0.87					1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Dibromomethane	ug/l							8.3					1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Dichlorodifluoromethane	ug/l							200					1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Ethyl methacrylate	ug/l							630					1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Ethylbenzene	ug/l						700	1.5	110				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Iodomethane	ug/l												1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Isobutanol	ug/l							5900	2972				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	

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Gary, Indiana

Parameter	Units	Interwell Prediction Limits - <i>Shallow Wells</i>	Interwell Prediction Limits - <i>Deep Wells</i>	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	USEPA MCLs	USEPA Tapwater RSLs	Location ID	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-P01R	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P06R	CAMU-P07	CAMU-P08
									Sample Date	03/07/17	06/21/17	08/15/17	08/14/17	03/07/17	03/07/17	06/21/17	08/15/17	08/14/17	08/14/17	03/07/17
									Sample Type	N	N	N	N	N	FD	N	N	N	N	N
									USS Gary Works ESVs	Shallow Well Downgradient	Shallow Well Downgradient	Shallow Well Downgradient	Deep Well Upgradient	Deep Well Downgradient	Deep Well Downgradient	Deep Well Downgradient	Deep Well Downgradient	Deep Well Upgradient	Deep Well Upgradient	Deep Well Downgradient
Methacrylonitrile	ug/l							1.9				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Methyl methacrylate	ug/l							1400	2800			1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Methylene Chloride	ug/l						5	11	1500			5.0 U	5.0 U				5.0 U	5.0 U	5.0 U	
Propionitrile	ug/l											10 U	10 U				10 U	10 U	10 U	
Styrene	ug/l						100	1200	32			1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Tetrachloroethene	ug/l						5	11	60			1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Toluene	ug/l						1000	1100	94			1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
trans-1,2-Dichloroethene	ug/l						100	360	560			1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
trans-1,3-Dichloropropene	ug/l								1.9			1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
trans-1,4-Dichloro-2-butene	ug/l							0.0013				2.0 U	2.0 U				2.0 U	2.0 U	2.0 U	
Trichloroethene	ug/l						5	0.49	260			1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Trichlorofluoromethane	ug/l							5200				1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Vinyl acetate	ug/l							410	248			5.0 U	5.0 U				5.0 U	5.0 U	5.0 U	
Vinyl chloride	ug/l						2	0.019	930			1.0 U	1.0 U				1.0 U	1.0 U	1.0 U	
Xylenes (total)	ug/l						10000	190	35			3.0 U	3.0 U				3.0 U	3.0 U	3.0 U	
Semi-volatile Organic Compounds (SVOCs)																				
1,2,4,5-Tetrachlorobenzene	ug/l							1.7	8.3			13 U	13 U				10 U	13 U	13 U	
1,2,4-Trichlorobenzene	ug/l						70	1.2	30			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
1,2-Dichlorobenzene	ug/l						600	300	14			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
1,3,5-Trinitrobenzene	ug/l							590	10			27 U	27 U				20 U	27 U	27 U	
1,3-Dichlorobenzene	ug/l								52			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
1,3-Dinitrobenzene	ug/l							2	22			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
1,4-Dichlorobenzene	ug/l						75	0.48	16			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
1,4-Dioxane	ug/l							0.46	22000			13 U	13 U				10 U	13 U	13 U	
1,4-Naphthoquinone	ug/l											13 U	13 U				10 U	13 U	13 U	
1-Naphthylamine	ug/l								29.9			13 U	13 U				10 U	13 U	13 U	
2,3,4,6-Tetrachlorophenol	ug/l							240	1.2			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
2,4,5-Trichlorophenol	ug/l							1200	1.9			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
2,4,6-Trichlorophenol	ug/l							4.1	1.4			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
2,4-Dichlorophenol	ug/l							46	17			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
2,4-Dimethylphenol	ug/l							360	21			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
2,4-Dinitrophenol	ug/l							39	19			13 U	13 U				10 U	13 U	13 U	
2,4-Dinitrotoluene	ug/l							0.24	44			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
2,6-Dichlorophenol	ug/l								0.2			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
2,6-Dinitrotoluene	ug/l							0.049	81			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
2-Acetylaminofluorene	ug/l							0.016	535			13 U	13 U				10 U	13 U	13 U	
2-Chloronaphthalene [Beta-chloronaphthalene]	ug/l							750	0.396			0.27 U	0.27 U				0.20 U	0.27 U	0.27 U	
2-Chlorophenol	ug/l							91	24			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
2-Methylnaphthalene	ug/l							36	330			0.27 U	0.27 U				0.20 U	0.27 U	0.27 U	
2-Methylphenol [o-cresol]	ug/l							930	67			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
2-Naphthylamine	ug/l							0.039	29.9			13 U	13 U				10 U	13 U	13 U	
2-Nitroaniline	ug/l							190				2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
2-Nitrophenol	ug/l								73			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
2-Picoline	ug/l								3833			13 U	13 U				10 U	13 U	13 U	
3,3'-Dichlorobenzidine	ug/l							0.13	4.5			13 U	13 U				10 U	13 U	13 U	
3,3'-Dimethylbenzidine	ug/l							0.0065				67 U	67 U				50 U	67 U	67 U	
3-Methylcholanthrene	ug/l							0.0011	0.0891			13 U	13 U				10 U	13 U	13 U	
3-Methylphenol & 4-Methylphenol* [m&p-cresol]	ug/l							930	53			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
3-Nitroaniline	ug/l											2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
4,6-Dinitro-2-methylphenol [4,6-Dinitro-o-cresol]	ug/l							1.5	23			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
4-Aminobiphenyl	ug/l							0.003				13 U	13 U				10 U	13 U	13 U	
4-Bromophenyl phenyl ether	ug/l								1.5			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
4-Chloro-3-methylphenol [p-Chloro-m-cresol]	ug/l							1400	34.8			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
4-Chloroaniline [p-Chloroaniline]	ug/l							0.37	232			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
4-Chlorophenyl phenyl ether	ug/l											2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
4-Nitroaniline	ug/l							3.8				2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
4-Nitrophenol	ug/l								58			13 U	13 U				10 U	13 U	13 U	
4-Nitroquinoline-1-oxide	ug/l											13 U	13 U				10 U	13 U	13 U	
5-Nitro-o-toluidine [2-Methyl-5-Nitroaniline]	ug/l							8.2	22			13 U	13 U				10 U	13 U	13 U	
7,12-Dimethylbenz(a)anthracene	ug/l							0.0001	0.548			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
Acenaphthene	ug/l							530	27			0.27 U	0.27 U				0.20 U	0.27 U	0.27 U	
Acenaphthylene	ug/l								4840			0.27 U	0.27 U				0.20 U	0.27 U	0.27 U	
Acetophenone	ug/l							1900				2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
Aniline	ug/l							13	4.1			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
Anthracene	ug/l							1800	0.68			0.27 U	0.27 U				0.20 U	0.27 U	0.27 U	
Aramite	ug/l							3.1	3.09			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
Benzo(a)anthracene	ug/l							0.03	0.025			0.27 U	0.27 U				0.20 U	0.27 U	0.27 U	
Benzo(a)pyrene	ug/l						0.2	0.025	0.014			0.27 U	0.27 U				0.20 U	0.27 U	0.27 U	
Benzo(b)fluoranthene	ug/l							0.25	9.07			0.27 U	0.27 U				0.20 U	0.27 U	0.27 U	
Benzo(g,h,i)perylene	ug/l								7.64			0.27 U	0.27 U				0.20 U	0.27 U	0.27 U	
Benzo(k)fluoranthene	ug/l							2.5	0.6415			0.27 U	0.27 U				0.20 U	0.27 U	0.27 U	
Benzyl alcohol	ug/l							2000	8.6			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
bis(2-Chloroethoxy)methane	ug/l							59				2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	

Table 4
Summary of 2017 CAMU Groundwater Results
U. S. Steel - Gary Works
Gary, Indiana

Parameter	Units	Interwell Prediction Limits - <i>Shallow Wells</i>	Interwell Prediction Limits - <i>Deep Wells</i>	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	USEPA MCLs	USEPA Tapwater RSLs	Location ID	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-P01R	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P06R	CAMU-P07	CAMU-P08
									Sample Date	03/07/17	06/21/17	08/15/17	08/14/17	03/07/17	03/07/17	06/21/17	08/15/17	08/14/17	08/14/17	03/07/17
									Sample Type	N	N	N	N	N	FD	N	N	N	N	N
									USS Gary Works ESVs	Shallow Well Downgradient	Shallow Well Downgradient	Shallow Well Downgradient	Deep Well Upgradient	Deep Well Downgradient	Deep Well Downgradient	Deep Well Downgradient	Deep Well Downgradient	Deep Well Upgradient	Deep Well Upgradient	Deep Well Downgradient
bis(2-Chloroethyl)ether	ug/l							0.014	19000			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
bis(2-Chloroisopropyl)ether [bis(2-chloro-1-methylethyl)ether]	ug/l							710				2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
bis(2-Ethylhexyl)phthalate	ug/l						6	5.6	0.3			2.7 U	2.7 U				8.0	2.7 U	2.7 U	
Butyl benzyl phthalate	ug/l							16	23			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
Carbazole	ug/l								7.4			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
Chlorobenzilate	ug/l							0.31	7.16			13 U	13 U				10 U	13 U	13 U	
Chrysene	ug/l							25	2.04			0.27 U	0.27 U				0.20 U	0.27 U	0.27 U	
Diallate	ug/l							0.54				13 U	13 U				10 U	13 U	13 U	
Dibenz(a,h)anthracene	ug/l							0.025	0.02825			0.27 U	0.27 U				0.20 U	0.27 U	0.27 U	
Dibenzofuran	ug/l							7.9	7.3			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
Diethyl phthalate	ug/l							15000	110			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
Dimethyl phthalate	ug/l								1000			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
Di-n-butyl phthalate [Dibutyl phthalate]	ug/l							900	19			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
Di-n-octyl phthalate	ug/l							200	30			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
Dinoseb	ug/l						7	15				13 U	13 U				10 U	13 U	13 U	
Diphenylamine	ug/l							1300	412			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
Ethyl methanesulfonate	ug/l											13 U	13 U				10 U	13 U	13 U	
Fluoranthene	ug/l							800	3.6			0.27 U	0.27 U				0.20 U	0.27 U	0.27 U	
Fluorene	ug/l							290	2.4			0.27 U	0.27 U				0.20 U	0.27 U	0.27 U	
Hexachlorobenzene	ug/l						1	0.0098	0.0003			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
Hexachlorobutadiene	ug/l							0.14	0.053			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
Hexachlorocyclopentadiene	ug/l						50	0.41	77			13 U	13 U				10 U	13 U	13 U	
Hexachloroethane	ug/l							0.33	8			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
Hexachlorophene	ug/l							6				210 U	210 U				160 U	210 U	210 U	
Hexachloropropene	ug/l											13 U	13 U				10 U	13 U	13 U	
Indeno(1,2,3-cd)pyrene	ug/l							0.25	4.31			0.27 U	0.27 U				0.20 U	0.27 U	0.27 U	
Isophorone	ug/l							78	830			13 U	13 U				10 U	13 U	13 U	
Isosafrole	ug/l											13 U	13 U				10 U	13 U	13 U	
Methapyriline	ug/l											13 U	13 U				10 U	13 U	13 U	
Methyl methanesulfonate	ug/l							0.79				13 U	13 U				10 U	13 U	13 U	
Naphthalene	ug/l							0.17	26			0.27 U	0.27 U				0.20 U	0.27 U	0.27 U	
Nitrobenzene	ug/l							0.14	220			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
N-Nitrosodiethylamine	ug/l							0.00017	768			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
N-Nitrosodimethylamine	ug/l							0.00011				2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
N-Nitrosodi-n-butylamine	ug/l							0.0027				2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
N-Nitrosodi-n-propylamine	ug/l							0.011	25			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
N-Nitrosodiphenylamine	ug/l							12	25			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
N-Nitrosomethylethylamine	ug/l							0.00071				13 U	13 U				10 U	13 U	13 U	
N-Nitrosomorpholine	ug/l							0.012				13 U	13 U				10 U	13 U	13 U	
N-Nitrosopiperidine	ug/l							0.0083				13 U	13 U				10 U	13 U	13 U	
N-Nitrosopyrrolidine	ug/l							0.037				13 U	13 U				10 U	13 U	13 U	
o-Toluidine	ug/l							4.7				13 U	13 U				10 U	13 U	13 U	
p-Dimethylaminoazobenzene	ug/l							0.005				13 U	13 U				10 U	13 U	13 U	
Pentachlorobenzene	ug/l							3.2	3.1			13 U	13 U				10 U	13 U	13 U	
Pentachloroethane	ug/l							0.65	56.4			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
Pentachloronitrobenzene	ug/l							0.12				13 U	13 U				10 U	13 U	13 U	
Pentachlorophenol	ug/l						1	0.041	5.7			13 U	13 U				10 U	13 U	13 U	
Phenacetin	ug/l							34				13 U	13 U				10 U	13 U	13 U	
Phenanthrene	ug/l								0.93			0.27 U	0.27 U				0.20 U	0.27 U	0.27 U	
Phenol	ug/l							5800	180			2.7 U	2.7 U				2.0 U	2.7 U	2.7 U	
Pronamide [Propyzamide]	ug/l							1200				13 U	13 U				10 U	13 U	13 U	
Pvrene	ug/l							120	0.3			0.27 U	0.27 U				0.20 U	0.27 U	0.27 U	
Pvridine	ug/l							20	2380			27 U	27 U				20 U	27 U	27 U	
Quinoline	ug/l							0.024	3.4			13 U	13 U				10 U	13 U	13 U	
Safrole	ug/l							0.096				13 U	13 U				10 U	13 U	13 U	

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Parameter	Units	Interwell Prediction Limits - Shallow Wells	Interwell Prediction Limits - Deep Wells	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	USEPA MCLs	USEPA Tapwater RSLs	Location ID	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P09	CAMU-P09	CAMU-P09
									Sample Date	06/21/17	06/21/17	08/15/17	03/07/17	06/21/17	08/15/17
									Sample Type	N	FD	N	N	N	N
									USS Gary Works ESVs	Deep Well Downgradient	Deep Well Downgradient	Deep Well Downgradient	Deep Well Downgradient	Deep Well Downgradient	Deep Well Downgradient
Total Metals															
Arsenic	mg/l	0.036	0.07	0.036	0.1083	0.07	0.01	0.000052	0.15						
Barium	mg/l	0.1231	0.742	0.1231	0.3204	0.3526	2	3.8	0.438						
Cadmium	mg/l	0.005	0.007	0.005	0.007	0.007	0.005	0.0092	0.0022						
Chromium	mg/l	0.01059	0.02	0.01059	0.02	0.02	0.1		0.074						
Hexavalent Chromium	mg/l	0.005	0.01	0.005	0.01	0.01		0.000035				0.012			
Lead	mg/l	0.08	0.19	0.08	0.19	0.19	0.015	0.015	0.0025						
Lithium	mg/l	0.028	0.015	0.1244	0.015	0.015		0.04	0.014						
Mercury	mg/l	0.0002	0.001	0.0002	0.001	0.001	0.002	0.0057	0.00077						
Selenium	mg/l	0.21	0.17	0.21	0.17	0.17	0.05	0.1	0.0046						
Silver	mg/l	0.02	0.02	0.02	0.02	0.02		0.094	0.00058						
Dissolved Metals															
Arsenic	mg/l	0.036	0.07	0.036	0.1083	0.07	0.01	0.000052	0.15			0.069			0.015
Barium	mg/l	0.1231	0.742	0.1231	0.3204	0.3526	2	3.8	0.438			0.29			0.22
Cadmium	mg/l	0.005	0.007	0.005	0.007	0.007	0.005	0.0092	0.0022			0.0020 U			0.0020 U
Chromium	mg/l	0.01059	0.02	0.01059	0.02	0.02	0.1		0.074			0.0050 U			0.0050 U
Hexavalent Chromium	mg/l	0.005	0.01	0.005	0.01	0.01		0.000035		0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Lead	mg/l	0.08	0.19	0.08	0.19	0.19	0.015	0.015	0.0025			0.0050 U			0.0050 U
Lithium	mg/l	0.028	0.015	0.1244	0.015	0.015		0.04	0.014			0.0059 J			0.0061 J
Mercury	mg/l	0.0002	0.001	0.0002	0.001	0.001	0.002	0.0057	0.00077			0.00020 U			0.00020 U
Selenium	mg/l	0.21	0.17	0.21	0.17	0.17	0.05	0.1	0.0046			0.0050 U			0.0050 U
Silver	mg/l	0.02	0.02	0.02	0.02	0.02		0.094	0.00058			0.0050 U			0.0050 U
Polychlorinated Biphenyls (PCBs)															
Aroclor-1016	ug/l							0.22	0.014			0.20 U			0.20 U
Aroclor-1221	ug/l							0.0047	0.014			0.20 U			0.20 U
Aroclor-1232	ug/l							0.0047	0.014			0.20 U			0.20 U
Aroclor-1242	ug/l							0.0078	0.014			0.20 U			0.20 U
Aroclor-1248	ug/l							0.0078	0.014			0.20 U			0.20 U
Aroclor-1254	ug/l							0.0078	0.014			0.20 U			0.20 U
Aroclor-1260	ug/l							0.0078	0.014			0.20 U			0.20 U
Aroclor-1262	ug/l											0.20 U			0.20 U
Aroclor 1268	ug/l											0.20 U			0.20 U
Polychlorinated biphenyls, Total	ug/l						0.5		0.00012			0.20 U			0.20 U
Volatile Organic Compounds (VOCs)															
1,1,1,2-Tetrachloroethane	ug/l							0.57	100			1.0 U			1.0 U
1,1,1-Trichloroethane	ug/l						200	8000	410			1.0 U			1.0 U
1,1,2,2-Tetrachloroethane	ug/l							0.076	100			1.0 U			1.0 U
1,1,2-Trichloroethane	ug/l						5	0.28	87			1.0 U			1.0 U
1,1-Dichloroethane	ug/l							2.8	740			1.0 U			1.0 U
1,1-Dichloroethene	ug/l						7	2.8	210			1.0 U			1.0 U
1,2,3-Trichloropropane	ug/l							0.00075				1.0 U			1.0 U
1,2-Dibromo-3-Chloropropane [Chloroprene]	ug/l						0.2	0.00033				1.0 U			1.0 U
1,2-Dibromoethane	ug/l						0.05	0.0075				1.0 U			1.0 U
1,2-Dichloroethane	ug/l						5	0.17	980			1.0 U			1.0 U
1,2-Dichloropropane	ug/l						5	0.85	360			1.0 U			1.0 U
2-Butanone [Methyl ethyl ketone]	ug/l							5600	14000			5.0 U			5.0 U
2-Hexanone	ug/l							38	99			5.0 U			5.0 U
3-Chloro-1-propene [Allyl chloride]	ug/l							0.73				1.0 U			1.0 U
4-Methyl-2-pentanone [Methyl isobutyl ketone]	ug/l							6300	170			1.0 U			1.0 U
Acetone	ug/l							14000	1700			10 U			10 U
Acetonitrile	ug/l							130	12000			1.0 U			1.0 U
Acrolein	ug/l							0.042	0.19			20 U			20 U
Acrylonitrile	ug/l							0.052	63			1.0 U			1.0 U
Benzene	ug/l						5	0.46	98			1.0 U			1.0 U
Bromodichloromethane	ug/l						80	0.13				1.0 U			1.0 U
Bromoform	ug/l						80	3.3	61			1.0 U			1.0 U
Bromomethane	ug/l							7.5	16			1.0 U			1.0 U
Carbon disulfide	ug/l							810	15			1.0 U			1.0 U
Carbon tetrachloride	ug/l						5	1.1	40			1.0 U			1.0 U
Chlorobenzene	ug/l						100	78	47			1.0 U			1.0 U
Chloroethane	ug/l											1.0 U			1.0 U
Chloroform	ug/l						80	0.22	170			1.0 U			1.0 U
Chloromethane	ug/l							190				1.0 U			1.0 U
Chloroprene [2-Chloro-1,3-butadiene]	ug/l							0.019				1.0 U			1.0 U
cis-1,3-Dichloropropene	ug/l											1.0 U			1.0 U
Dibromochloromethane	ug/l						80	0.87				1.0 U			1.0 U
Dibromomethane	ug/l							8.3				1.0 U			1.0 U
Dichlorodifluoromethane	ug/l							200				1.0 U			1.0 U
Ethyl methacrylate	ug/l							630				1.0 U			1.0 U
Ethylbenzene	ug/l						700	1.5	110			1.0 U			1.0 U
Iodomethane	ug/l											1.0 U			1.0 U
Isobutanol	ug/l							5900	2972			1.0 U			1.0 U

Table 4
Summary of 2017 CAMU Groundwater Results
U. S. Steel - Gary Works
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Parameter	Units	Interwell Prediction Limits - <i>Shallow Wells</i>	Interwell Prediction Limits - <i>Deep Wells</i>	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	USEPA MCLs	USEPA Tapwater RSLs	Location ID	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P09	CAMU-P09	CAMU-P09
									Sample Date	06/21/17	06/21/17	08/15/17	03/07/17	06/21/17	08/15/17
									Sample Type	N	FD	N	N	N	N
									USS Gary Works ESVs	Deep Well Downgradient	Deep Well Downgradient	Deep Well Downgradient	Deep Well Downgradient	Deep Well Downgradient	Deep Well Downgradient
Methacrylonitrile	ug/l							1.9				1.0 U			1.0 U
Methyl methacrylate	ug/l							1400	2800			1.0 U			1.0 U
Methylene Chloride	ug/l						5	11	1500			5.0 U			5.0 U
Propionitrile	ug/l											10 U			10 U
Styrene	ug/l						100	1200	32			1.0 U			1.0 U
Tetrachloroethene	ug/l						5	11	60			1.0 U			1.0 U
Toluene	ug/l						1000	1100	94			1.0 U			1.0 U
trans-1,2-Dichloroethene	ug/l						100	360	560			1.0 U			1.0 U
trans-1,3-Dichloropropene	ug/l								1.9			1.0 U			1.0 U
trans-1,4-Dichloro-2-butene	ug/l							0.0013				2.0 U			2.0 U
Trichloroethene	ug/l						5	0.49	260			1.0 U			1.0 U
Trichlorofluoromethane	ug/l							5200				1.0 U			1.0 U
Vinyl acetate	ug/l							410	248			5.0 U			5.0 U
Vinyl chloride	ug/l						2	0.019	930			1.0 U			1.0 U
Xylenes (total)	ug/l						10000	190	35			3.0 U			3.0 U
Semi-volatile Organic Compounds (SVOCs)															
1,2,4,5-Tetrachlorobenzene	ug/l							1.7	8.3			13 U			13 U
1,2,4-Trichlorobenzene	ug/l						70	1.2	30			2.7 U			2.7 U
1,2-Dichlorobenzene	ug/l						600	300	14			2.7 U			2.7 U
1,3,5-Trinitrobenzene	ug/l							590	10			27 U			27 U
1,3-Dichlorobenzene	ug/l								52			2.7 U			2.7 U
1,3-Dinitrobenzene	ug/l							2	22			2.7 U			2.7 U
1,4-Dichlorobenzene	ug/l						75	0.48	16			2.7 U			2.7 U
1,4-Dioxane	ug/l							0.46	22000			13 U			13 U
1,4-Naphthoquinone	ug/l											13 U			13 U
1-Naphthylamine	ug/l								29.9			13 U			13 U
2,3,4,6-Tetrachlorophenol	ug/l							240	1.2			2.7 U			2.7 U
2,4,5-Trichlorophenol	ug/l							1200	1.9			2.7 U			2.7 U
2,4,6-Trichlorophenol	ug/l							4.1	1.4			2.7 U			2.7 U
2,4-Dichlorophenol	ug/l							46	17			2.7 U			2.7 U
2,4-Dimethylphenol	ug/l							360	21			2.7 U			2.7 U
2,4-Dinitrophenol	ug/l							39	19			13 U			13 U
2,4-Dinitrotoluene	ug/l							0.24	44			2.7 U			2.7 U
2,6-Dichlorophenol	ug/l								0.2			2.7 U			2.7 U
2,6-Dinitrotoluene	ug/l								81			2.7 U			2.7 U
2-Acetylaminofluorene	ug/l							0.016	535			13 U			13 U
2-Chloronaphthalene [Beta-chloronaphthalene]	ug/l							750	0.396			0.27 U			0.27 U
2-Chlorophenol	ug/l							91	24			2.7 U			2.7 U
2-Methylnaphthalene	ug/l							36	330			0.27 U			0.27 U
2-Methylphenol [o-cresol]	ug/l							930	67			2.7 U			2.7 U
2-Naphthylamine	ug/l							0.039	29.9			13 U			13 U
2-Nitroaniline	ug/l							190				2.7 U			2.7 U
2-Nitrophenol	ug/l								73			2.7 U			2.7 U
2-Picoline	ug/l								3833			13 U			13 U
3,3'-Dichlorobenzidine	ug/l							0.13	4.5			13 U			13 U
3,3'-Dimethylbenzidine	ug/l							0.0065				67 U			67 U
3-Methylcholanthrene	ug/l							0.0011	0.0891			13 U			13 U
3-Methylphenol & 4-Methylphenol* [m&p-cresol]	ug/l							930	53			2.7 U			2.7 U
3-Nitroaniline	ug/l											2.7 U			2.7 U
4,6-Dinitro-2-methylphenol [4,6-Dinitro-o-cresol]	ug/l							1.5	23			2.7 U			2.7 U
4-Aminobiphenyl	ug/l							0.003				13 U			13 U
4-Bromophenyl phenyl ether	ug/l								1.5			2.7 U			2.7 U
4-Chloro-3-methylphenol [p-Chloro-m-cresol]	ug/l							1400	34.8			2.7 U			2.7 U
4-Chloroaniline [p-Chloroaniline]	ug/l								0.37	232		2.7 U			2.7 U
4-Chlorophenyl phenyl ether	ug/l											2.7 U			2.7 U
4-Nitroaniline	ug/l								3.8			2.7 U			2.7 U
4-Nitrophenol	ug/l								58			13 U			13 U
4-Nitroquinoline-1-oxide	ug/l											13 U			13 U
5-Nitro-o-toluidine [2-Methyl-5-Nitroaniline]	ug/l							8.2	22			13 U			13 U
7,12-Dimethylbenz(a)anthracene	ug/l							0.0001	0.548			2.7 U			2.7 U
Acenaphthene	ug/l							530	27			0.27 U			0.27 U
Acenaphthylene	ug/l								4840			0.27 U			0.27 U
Acetophenone	ug/l							1900				2.7 U			2.7 U
Aniline	ug/l							13	4.1			2.7 U			2.7 U
Anthracene	ug/l							1800	0.68			0.27 U			0.27 U
Aramite	ug/l							3.1	3.09			2.7 U			2.7 U
Benzo(a)anthracene	ug/l							0.03	0.025			0.27 U			0.27 U
Benzo(a)pyrene	ug/l						0.2	0.025	0.014			0.27 U			0.27 U
Benzo(b)fluoranthene	ug/l							0.25	9.07			0.27 U			0.27 U
Benzo(g,h,i)perylene	ug/l								7.64			0.27 U			0.27 U
Benzo(k)fluoranthene	ug/l								2.5	0.6415		0.27 U			0.27 U
Benzyl alcohol	ug/l							2000	8.6			2.7 U			2.7 U
bis(2-Chloroethoxy)methane	ug/l							59				2.7 U			2.7 U

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									Sample Date	06/21/17	06/21/17	08/15/17	03/07/17	06/21/17	08/15/17
									Sample Type	N	FD	N	N	N	N
									USS Gary Works ESVs	Deep Well Downgradient	Deep Well Downgradient	Deep Well Downgradient	Deep Well Downgradient	Deep Well Downgradient	Deep Well Downgradient
bis(2-Chloroethyl)ether	ug/l							0.014	19000			2.7 U			2.7 U
bis(2-Chloroisopropyl)ether [bis(2-chloro-1-methylethyl)ether]	ug/l							710				2.7 U			2.7 U
bis(2-Ethylhexyl)phthalate	ug/l						6	5.6	0.3			2.7 U			2.7 U
Butyl benzyl phthalate	ug/l							16	23			2.7 U			2.7 U
Carbazole	ug/l								7.4			2.7 U			2.7 U
Chlorobenzilate	ug/l							0.31	7.16			13 U			13 U
Chrysene	ug/l							25	2.04			0.27 U			0.27 U
Diallate	ug/l							0.54				13 U			13 U
Dibenz(a,h)anthracene	ug/l							0.025	0.02825			0.27 U			0.27 U
Dibenzofuran	ug/l							7.9	7.3			2.7 U			2.7 U
Diethyl phthalate	ug/l							15000	110			2.7 U			2.7 U
Dimethyl phthalate	ug/l								1000			2.7 U			2.7 U
Di-n-butyl phthalate [Dibutyl phthalate]	ug/l							900	19			2.7 U			2.7 U
Di-n-octyl phthalate	ug/l							200	30			2.7 U			2.7 U
Dinoseb	ug/l						7	15				13 U			13 U
Diphenylamine	ug/l							1300	412			2.7 U			2.7 U
Ethyl methanesulfonate	ug/l											13 U			13 U
Fluoranthene	ug/l							800	3.6			0.27 U			0.27 U
Fluorene	ug/l							290	2.4			0.27 U			0.27 U
Hexachlorobenzene	ug/l						1	0.0098	0.0003			2.7 U			2.7 U
Hexachlorobutadiene	ug/l							0.14	0.053			2.7 U			2.7 U
Hexachlorocyclopentadiene	ug/l						50	0.41	77			13 U			13 U
Hexachloroethane	ug/l							0.33	8			2.7 U			2.7 U
Hexachlorophene	ug/l							6				210 U			210 U
Hexachloropropene	ug/l											13 U			13 U
Indeno(1,2,3-cd)pyrene	ug/l							0.25	4.31			0.27 U			0.27 U
Isophorone	ug/l							78	830			13 U			13 U
Isosafrole	ug/l											13 U			13 U
Methapyriline	ug/l											13 U			13 U
Methyl methanesulfonate	ug/l							0.79				13 U			13 U
Naphthalene	ug/l							0.17	26			0.27 U			0.27 U
Nitrobenzene	ug/l							0.14	220			2.7 U			2.7 U
N-Nitrosodiethylamine	ug/l							0.00017	768			2.7 U			2.7 U
N-Nitrosodimethylamine	ug/l							0.00011				2.7 U			2.7 U
N-Nitrosodi-n-butylamine	ug/l							0.0027				2.7 U			2.7 U
N-Nitrosodi-n-propylamine	ug/l							0.011	25			2.7 U			2.7 U
N-Nitrosodiphenylamine	ug/l							12	25			2.7 U			2.7 U
N-Nitrosomethylethylamine	ug/l							0.00071				13 U			13 U
N-Nitrosomorpholine	ug/l							0.012				13 U			13 U
N-Nitrosopiperidine	ug/l							0.0083				13 U			13 U
N-Nitrosopyrrolidine	ug/l							0.037				13 U			13 U
o-Toluidine	ug/l							4.7				13 U			13 U
p-Dimethylaminoazobenzene	ug/l							0.005				13 U			13 U
Pentachlorobenzene	ug/l							3.2	3.1			13 U			13 U
Pentachloroethane	ug/l							0.65	56.4			2.7 U			2.7 U
Pentachloronitrobenzene	ug/l							0.12				13 U			13 U
Pentachlorophenol	ug/l						1	0.041	5.7			13 U			13 U
Phenacetin	ug/l							34				13 U			13 U
Phenanthrene	ug/l								0.93			0.27 U			0.27 U
Phenol	ug/l							5800	180			2.7 U			2.7 U
Pronamide [Propyzamide]	ug/l							1200				13 U			13 U
Pvrene	ug/l							120	0.3			0.27 U			0.27 U
Pvridine	ug/l							20	2380			27 U			27 U
Quinoline	ug/l							0.024	3.4			13 U			13 U
Safrole	ug/l							0.096				13 U			13 U

Table 4
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U. S. Steel - Gary Works
Gary, Indiana

Notes:

The screening values used for the comparisons include the USEPA Maximum Contaminant Levels (USEPA, 2009b), the USEPA Regional Screening Levels (RSL) for Tapwater (USEPA, November 2017), the Ecological Screening Values (ESV) (USS, 2016) established for the East Breakwater Area, and the statistically-derived Prediction Limits (metals only) for the CAMU (May 2017) that were approved by USEPA on June 29, 2017.

FD - Field Duplicate Sample

MCL - Maximum Contaminant Level

mg/l - milligrams per liter

NV - no value

N - Normal Annual Sample

ug/l - micrograms per liter

USEPA - United States Environmental Protection Agency

* Since there is no screening value for 3 & 4-Methylphenol, the results for 3 & 4-Methylphenol were compared to the most conservative screening values of 3-Methylphenol and 4-Methylphenol: RSL to 3-Methylphenol and ESV to 4-Methylphenol.

J indicates the chemical result is estimated, detected above the method detection limit but below the reporting limit.

U indicates the chemical was not detected. The value presented is the reporting limit.

Bold - Indicates the sample result is a detect and does not exceed any of the screening levels

Bold and Shaded - Indicates the sample result is a detect and exceeds the MCL, RSL, or ESV

Bold and Outlined - Indicates the sample result is a detect and exceeds the Prediction Limit (for metals only)

Italics - Indicates the sample result is non-detect and exceeds one or more of the screening levels

A blank cell indicates that analysis of the parameter was not required.