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Kevin T. Stetter
Manager, Corrective Action

April 26, 2019

Ms. Tamara Ohl
U. S. Environmental Protection Agency – Region V
77 West Jackson Blvd (MC-LU-16J)
Chicago, IL 60604

RE: Revised TSCA Authorization Renewal and Responses to USEPA Comments
Corrective Action Management Unit (CAMU)
U. S. Steel – Gary Works
IN 005 444 062

Dear Ms. Ohl:

Enclosed are the final version of the Toxic Substances Control Act (TSCA) application for coverage of Unit No. 2 at the CAMU along with final responses to USEPA comments. This final version includes the agreed upon revisions discussed previously and summarized in the enclosed table.

Please feel free to contact me if you have any questions.

Sincerely,

Kevin T. Stetter

Enclosures – Revised TSCA Authorization Renewal
Response to Comments Summary

cc: T. W. Woodwell
A. G. Thiros
M. R. Rupnow
R. Marshall (IDEM)
H. Kuss (IDEM)
M. Maxwell (WCG)

Request for CAMU TSCA Authorization Renewal
April, 2018

Number	Section/ Page	Comment	Revision	USS Response/Revision October 24, 2018	U.S. EPA Comment on USS Response/Revision	Final Resolution April 26, 2019
1	Figures	A cross-section showing the CAMU's construction illustrates text in Section 2.3	Include a cross-section of the CAMU.	Reference is provided in Section 2.3 to the COLDR report where the cross sections are located. Specifically, drawings D-6, D-8, D-14 and D-15 provide cross section details of the CAMU and the leak detect and leachate collection systems.	The response is not acceptable as a reference to a report from 2001 is not sufficient to allow for evaluation of the renewal. For clarity, a cross-section should be included in the CAMU TSCA Authorization Renewal Report. Revise to include drawings D-6, D-8, D-14 and D-15.	Referenced drawings are now included, as requested.
2	Figure 2	This figure does not show the location of Leak Detection, Leachate Collection Sump 1.	Revise accordingly.	Figure will be revised to show Sump location 1 and 5.	The response is acceptable.	Figure has been revised to show Sump location 1 and 5.
3	Ap; pendices	Section 3.2 of Attachment I to the Order required USS to file a deed notice in accordance with 40 CFR 264.119.	Include a copy of the notice as an attachment to the renewal request.	The language in both 40 CFR 264.119 and the IDEM-approved closure plan for the CAMU. In both references, the deed notice is required to be recorded within 60 days following certification of closure.	The response is acceptable.	No revision required.
4	Appendix F	Verify that the sub-contracted lab list is current.	Revise as necessary.	There is no Appendix F in the TSCA Authorization Renewal. There is also no sub-contracted lab list. This is believed to be related to the O&M Plan.	The response is acceptable; however, the subcontracted laboratory list in Appendix F of the O&M Plan should be updated.	Updated list will be included as part of the O&M Revision.

Number	Section/ Page	Comment	Revision	USS Response/Revision October 24, 2018	U.S. EPA Comment on USS Response/Revision	Final Resolution April 26, 2019
5	Table 1	This table is missing the following: • Daily inspection and reporting of air monitoring systems, and disposal/grading activities, during disposal times. • Monthly inspection and reporting of temporary waste storage container and staging area.	Revise accordingly.	Table 1 is directly out of the approved June 2014 CAMU O&M Plan (also Table 1) and covers the inspection requirements and frequency during both disposal and non-disposal periods. Additionally, there is reference to the AMOP, which includes the requirements for the air monitoring program.	Revise Table 1 to reference the O&M Plan for the Sections under 'Maintenance Activities' and Appendices under 'Required Inspection Forms.' Also, include quarterly and annual LCS and LDS inspections.	Table 1 has been revised and is included in the TSCA document and will be updated as part of O&M Plan revision.
6	2.1/ 2-1	Insert the first paragraph of Section III to the Order to the third paragraph of the renewal request to identify the purpose of the Order.	Revise accordingly.	Clarification is needed as to why a request to renew TSCA authorization for a disposal unit necessitates including the purpose of the Corrective Action Order related to investigations at the facility.	The requested language from the Order establishes the program requirements under which the CAMU is authorized. It is necessary, for completeness, to include the language.	Requested language has been included.
7	2.1/2-2	Move the first paragraph of this page (listing previous remediation waste disposed) from the Regulatory History section to the CAMU Use History (section 2.2)	Revise accordingly.	Text will be revised accordingly.	The response is acceptable.	Text has been revised accordingly.
8	2.1/2-1	EPA designated the CAMU (February 17, 1999) for disposal of remediation waste consisting of contaminated sediment from the Grand Calumet River and other remediation waste as approved by EPA pursuant to the RCRA Corrective Action Order. Remove the reference to Unit 2 from the sixth paragraph regarding the January 18, 2005,	Revise accordingly.	The reference to Unit 2 will be removed from paragraph 6.	The response is acceptable.	The reference to Unit 2 has been removed from paragraph 6.

Number	Section/ Page	Comment	Revision	USS Response/Revision October 24, 2018	U.S. EPA Comment on USS Response/Revision	Final Resolution April 26, 2019
		modification request (to add remediation waste to Unit 1), as required by the March 21, 2000 TSCA Approval. EPA approved "Use Procedures" on March 23, 2006, for disposing additional remediation wasted into units 1 and 2. EPA approved USS' request dispose additional PCB remediation waste in Unit 1 on ——— January 24, 2011.				
9	2.2/2-2	Not all remediation wastes disposed in Unit 1 are listed in this section.	Revise to include additional remediation wastes disposed into Unit 1 (e.g.: HWT-2)	There is no list of remediation wastes disposed in Section 2.2 on page 2-2. We believe this is in reference to the first paragraph on page 2-2, which is Section 2.1. HWT-2 is listed in paragraph 6 of Section 2.1 – *"Corrective Action wastes approved by the USEPA and disposed of in the CAMU include, remediation wastes generated from: the West Grand Calumet Lagoon drum removal,* ***the HWT-2 lagoon closure project,*** *the East Lake Solid Waste Management Area (SWMA) Area of Concern ELA-3 excavation, the West Bay cut off wall construction, the*	The response is acceptable.	No revision required.

Number	Section/ Page	Comment	Revision	USS Response/Revision October 24, 2018	U.S. EPA Comment on USS Response/Revision	Final Resolution April 26, 2019
				Benzene Interim Stabilization Measure (ISM) conveyance pipeline construction, and the N-Yard coke unloader station construction." (Emphasis added)		
10	2.3/2-3	The last sentence of the second paragraph of this section incorrectly lists 40 CFR 761.75(b) as applicable to the CAMU.	Remove this reference.	Sentence will be removed.	The response is acceptable.	Sentence has been removed.
11	2.3.1/2-3	Revise the first sentence in this section to state that the liner, leachate collection, and leak detection system *mitigates* releases to the surrounding environment.	Revise accordingly.	The substitution of the word mitigates insinuates that there are releases from the CAMU to the external environment, but the liner system, including leachate collection and leak detection system, reduces the impact. While leachate leakage is anticipated up to the Action Leakage Rate, this is otherwise not an accurate statement. The sentence as written indicates that the liner system and leachate and leak detection system work to prevent any releases to the external environment. The groundwater monitoring program is then used to detect whether a release has	The liner system, leachate collection system (LCS) and leak detection system (LDS) do work together to effectively decrease contaminant release to the environment. However, it cannot be said that these systems absolutely prevent the possibility of release. Revise this section.	The first sentence in this section has been revised to state that the liner, leachate collection, and leak detection system *effectively contains possible* releases to the surrounding environment.

Number	Section/ Page	Comment	Revision	USS Response/Revision October 24, 2018	U.S. EPA Comment on USS Response/Revision	Final Resolution April 26, 2019
				occurred. No change is recommended.		
12	2.3.1/2-4 2.4.3/2-12 3.3/3-3	Revise the date of the CAMU O&M Plan referenced in the fourth paragraph to 2014, rather than 2015 (See also section 3.3). Also in section 2.4.3, update referenced section number.	Revise accordingly.	References will be revised to June 2014 O&M Plan.	The response is acceptable.	References have been revised to June 2014 O&M Plan.
13	2.4/2-8	The first paragraph states that the average daily flow rates flow rates for each month are less than the Action Leakage Rate. This is correct, except for December 2014.	Revise the text to identify the December exception and include a brief description of the possible cause and actions taken.	The correct average daily flow rate for CAMU Unit 1 for December 2014 is 222.64 gallons/day, as noted the 2014 Annual Report. The average daily flow rate was incorrectly transcribed on page 2-7. This value will be replaced with the correct value.	The response is acceptable.	Corrected values have been included for the December 2013 entries for both volume and flow rate to be consistent with the 2014 Annual Report.
14	2.2.4/2-13	Revise the first sentence in this section to state that waste materials *may* contain concentrations of PCB greater than 50 ppm. Unit 1 is not limited to dispose of only PCB remediation wastes.	Revise accordingly.	This comment is believed to be in reference to Section 2.4.5 on page 2-13. Sentence will be revised to read "Waste materials placed in CAMU Unit 1 include IDW and RDW that may contain concentrations of PCBS greater than 50 ppm…".	The response is acceptable.	Referenced sentence has been revised.
15	2.4.5/2-13	The third paragraph incorrectly references 40 CFR 761.61(a)(3).	Revise the text to reference the Order, TSCA Approval,	References will be revised.	The response is acceptable.	References have been revised.

Number	Section/ Page	Comment	Revision	USS Response/Revision October 24, 2018	U.S. EPA Comment on USS Response/Revision	Final Resolution April 26, 2019
			and Use Procedures.			
16	3.3/3-3	Revise the first sentence to replace 'VOC' with 'BTEX'.	Revise accordingly.	Revision to BTEX will be made.	The response is acceptable.	Sentence revised to indicate BTEX.
17	3.3/3-2	Revise the last paragraph of this section. Text appears to be missing or punctuation is not correct.	Revise accordingly.	It is unclear which sentence is of concern.		Re-worded last sentence of Section 3.3 to clarify.
18	3.3.1/3-5	Correct the location of CAMU Station 2 in the second paragraph.	Revise accordingly.	Text in Section 3.3.1 will be revised to note the location of CAMU Station 2 Summa on the south berm.	The response is acceptable.	Text has been revised.
19	3.3.1/3-5	Add the following text to footnote e: "…week. This frequency may be modified as deemed necessary by EPA."	Revise accordingly.	USEPA always has the authority to request additional monitoring. The note does not need revised to make this explicit.	The response is acceptable.	No revision required.
20	3.3.2/3-6	Revise 1) on to state: "The Indiana toll…….from vehicular traffic and construction activities."	Revise accordingly.	"…and construction activities." will be added.	The response is acceptable. Remove item 3) if construction near the CAMU has been completed.	Item 3) removed and Item 1) updated with additional language. Change will also be made in AMOP.
21	4.2.1/4-2	Include 2017 data in the evaluation.	Revise accordingly.	Reference can be added for the 2017 CAMU Annual O&M Report that provides this information.	The response is not acceptable. The 2017/2018 data should be included to demonstrate the protectiveness and appropriateness of the renewal.	A summary of the 2017 data has been included with reference to where in the 2017 report the actual data can be found. The 2018 report is not yet complete for similar interpretation to be provided.
22	4.2.1/4-2	This section does not present adequate analysis of metals, including hexavalent chromium, exceedances of the CAMU-	Revised to include an analysis of	Reference can be added for the 2017 CAMU Annual O&M Report	The response is not acceptable. The 2017/2018 data should	A summary of the 2017 data has been included with reference to where

Number	Section/ Page	Comment	Revision	USS Response/Revision October 24, 2018	U.S. EPA Comment on USS Response/Revision	Final Resolution April 26, 2019
		specific Prediction Limits (PLs). Section 3.1.1, Approved Changes to the Groundwater Monitoring Program, describes the development of PLs and Section 4.2.1.4, Comparison to USS Gary Works CAMU-Specific Prediction Limits, describes the findings compared to historic data through 2016; however, an analysis of the data is not presented in the CAMU TSCA Renewal to evaluate the potential for release from the CAMU. Section 4.2.1.4 and the tables included in the CAMU TSCA Renewal include several exceedances of PLs. As noted in Section 3.1.1, the purpose of the previously performed statistical evaluation and use of statistically-derived, site-specific PLs was to evaluate potential releases of metals constituents from the CAMU. As such, the statement in Section 5, Conclusions, "The CAMU has no effect on groundwater at this time and no leakage from the CAMU into groundwater has been detected;" is not supported with adequate analysis of the PL exceedances.	the PL exceedances.	that provides more appropriately addresses this information.	be included and evaluated to demonstrate the protectiveness and appropriateness of the renewal.	in the 2017 report the actual data can be found. The 2018 report is not yet complete for similar interpretation to be provided.
23	4.2.4/4-20	This section presents air monitoring results, but provides no evaluation or conclusions.	Revise accordingly.	Reference can be added for the 2017 CAMU Annual O&M Report that provides more appropriately addresses this information.	The response is not acceptable. The results should be evaluated and discussed to demonstrate the protectiveness and appropriateness of the renewal.	A summary of the 2017 data has been included with reference to where in the 2017 report the actual data can be found. The 2018 report is not yet complete for similar interpretation to be provided.

April 2019

Project No. 1146-309-01-09

REQUEST FOR CAMU TSCA AUTHORIZATION RENEWAL

UNITED STATES STEEL CORPORATION

Gary Works Facility

Gary, Indiana

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Acronym list

Acronym	Definition
ALR	Action Leakage Rate
AMOP	Air Monitoring and Operations Plan
BTEX	Benzene, toluene, ethylbenzene, and total xylenes
CAMU	Corrective Action Management Unit
CFR	Code of Federal Regulations
COLDR	CAMU Construction/Design Level Report
ESV	Ecological Screening Value
GAC	Granular Activated Carbon
GCR	Grand Calumet River
HDPE	High-density polyethylene
IDEM	Indiana Department of Environmental Management
IDW	Investigation-derived Waste
LCS	Leachate Collection System
LDS	Leak Detection System
MCL	Maximum Contaminant Level
NAAQS	National Ambient Air Quality Standard
NPDES	National Pollutant Discharge Elimination System
PCB	Polychlorinated Biphenyl
PM_{10}	Particulate matter 10 microns in diameter
ppm	parts per million
PSWTP	Project-specific Water Treatment Plant
RBL	Risk-Based Level
RCRA	Resource Conservation and Recovery Act
RDW	Remediation-derived waste
RSL	Regional Screening Level
SVOC	Semi-volatile Organic Compound

TSCA	Toxic Substance Control Act
ug/l	micrograms per liter
ug/m3	micrograms per cubic meter
USEPA	U.S. Environmental Protection Agency
USS	United States Steel Corporation
VOC	Volatile Organic Compound

1.0 INTRODUCTION

The purpose of this document is to provide supporting information to the U. S. Environmental Protection Agency (USEPA) for a renewal of the United States Steel Corporation (USS) – Gary Works Corrective Action Management Unit No. 1 (Unit 1) Toxic Substance Control Act (TSCA) authorization, pursuant to 40 Code of Federal Regulations (CFR) Part 761.

CAMU Unit 1, located off Juice Road in Gary, IN, (**Figure 1**) is used for the placement of Corrective Action waste which includes Polychlorinated Biphenyls (PCBs) with concentrations of 50 parts per million (ppm) or higher. Other chemicals in waste materials include volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals.

Sources of PCBs at the Gary Works Facility include the following:

- Dredged sediment from the Grand Calumet River (GCR) that were disposed in the Buchannan Street Basins impoundments;
- Processes associated with the Central Mill Solid Waste Management Area (SWMA) operations;
- Processes associated with Sintering and Tube Mill operations within the East Lake SWMA; and
- Processes associated with Sheet and Tin Mill operations within the Sheet and Tin Mill SWMA.

1.1 Project Background

The CAMU provides containment, passive dewatering and permanent disposal of Resource Conservation and Recovery Act (RCRA) Corrective Action wastes, identified as investigation-derived wastes (IDW) and remediation-derived wastes (RDW) (40 CFR 261.10). The types of Corrective Action wastes that may be disposed in the CAMU Unit 1 include soils, slag, sediments, purge water, sampling-related equipment/disposables, and personal protective equipment generated during investigative and remedial measure activities, which include PCBs with concentrations in excess of 50 ppm.

Existing sediments and Corrective Action wastes will remain in the CAMU and capped when the CAMU is closed.

1.2 Report Organization

The remainder of this report is organized as follows:

- Section 2 presents a summary of the construction, operations and regulatory history of the CAMU;
- Section 3 presents a summary of the monitoring and sampling programs at the CAMU;
- Section 4 presents the evaluation of the CAMU monitoring data;
- Section 5 presents the conclusions and recommendations; and
- Section 6 presents the references used in the preparation of this report.

2.0 BACKGROUND INFORMATION

This section presents the background history for the CAMU. Section 2.1 describes the CAMU regulatory history. Section 2.2 describes the CAMU operational history. Section 2.3 describes the construction of the CAMU. Section 2.4 provides a summary of the CAMU operations.

2.1 CAMU Regulatory History

In July 1990, USS entered into a consent decree with the USEPA concerning wastewater discharges from the Gary Works facility (USEPA, 1990). One of the requirements of the decree was to conduct a comprehensive investigation of the initial 5-mile stretch of river and to a lesser degree, continue the investigation downstream to the Indiana Harbor Canal. When completed by USS in 1993, the investigation findings were documented in the report called the *Sediment Characterization Study*. This study provided valuable information to EPA and State of Indiana about the conditions of the sediments in the GCR (USS, 2010).

On August 31, 1995, USS submitted to the USEPA the *Request for CAMU Designation and TSCA Alternative Disposal Method Approval* (CH2M Hill, 1995) to request that USEPA approve a designated cell within the proposed CAMU as an alternative disposal method for PCB-contaminated sediment under TSCA. The CAMU designation request included a preliminary design plan to remove non-native sediments by hydraulic dredging and deliver the sediments to a passive dewatering facility (i.e., CAMU) through a slurry pipeline. A revised request was submitted to the USEPA on January 12, 1996.

In October 1998, USS and USEPA entered into a Corrective Action Order pursuant to Section 3008 (H) of RCRA (RCRA Corrective Action Order) (USEPA, 1998). The mutual objectives of Corrective Action Order are: *(1) to perform U.S. EPA-approved Interim Stabilization Measures (ISM) at the Facility to relieve imminent or potential threats to human health or the environment; (2) to perform a RCRA Facility Investigation (RFI) to determine fully the nature and extent of any release of hazardous wastes and/or hazardous constituents at or from the Facility; (3) to perform a Corrective Measures Study (CMS) to identify and evaluate alternatives for the corrective action necessary to prevent or mitigate any migration or releases of hazardous wastes and/or hazardous constituents at or from the Facility which may threaten or potentially threaten human health or the environment; (4) to implement the corrective measure or measures selected by U.S. EPA at the Facility; and (5) to perform any other activities necessary to correct or evaluate actual or potential threats to human health and/or the environment resulting from the release or potential release of hazardous waste or hazardous constituents at or from the Facility*.

On February 17, 1999, USEPA approved the CAMU designation pursuant to 40 CFR 262.552, set forth as part of the RCRA Corrective Action Order (USEPA, 1999). On March 21, 2000, USEPA approved a portion of the CAMU pursuant to the Toxic Substances Control Act (TSCA) to dispose of remediation waste containing concentrations of PCB greater than 50 ppm (USEPA, 2014).

On April 27, 2004, USS requested a modification to the CAMU groundwater monitoring program, as addressed in the March 21, 2000 TSCA approval. USS requested to reduce the frequency of monitoring for PCBs to once per year (USS, 2004). USEPA approved USS' request on September 23, 2004 (USEPA, 2004).

On February 3, 2011, USS requested to modify the previous TSCA approvals to change the method of treating CAMU leachate and allow for treatment using an evaporative spray system. The previous TSCA approvals detailed that CAMU fluids were treated in a dedicated PSWTP and discharged to the CGR under NPDES Permit No. IN0061077. A public comment period was held between February 15, 2011 and April 15, 2011. In response to public comments, USS conducted an extended pilot test from May 22, 2012 to October 26, 2012 (**Section 2.1.2**). On January 11, 2013, USS submitted a report to USEPA documenting the pilot test results. On June 26, 2014, USEPA issued a modified TSCA approval that allowed for the treatment of leachate with GAC (to remove organic chemicals from the leachate) prior to spraying through the evaporative spray system (USEPA, 2014).

On April 15, 2013 and April 16, 2013, USS provided to USEPA an updated request to dispose of Corrective Action-related IDW into the CAMU. In previous years, the details of each waste stream (analytical results, volume, and source) were provided to USEPA prior to disposal of new wastes in the CAMU. In an effort to streamline the disposal process for RCRA Corrective Action related IDW, as well as minimize the volume of waste staged prior to disposal, USS requested approval from USEPA to dispose of future RCRA Corrective Action-related IDW in the CAMU. USEPA approved USS' request to dispose of Corrective Action-related IDW in the CAMU by letter dated April 25, 2013 (USEPA, 2013). A copy of the approval is provided in **Appendix A**.

2.2 CAMU Use History

The CAMU began receiving wastes in December 2002. Between December 2002 and December 2003, the CAMU received approximately 768,000 cubic yards of sediments that were generated during the GCR dredging event. In March 2004, USS submitted a dredge completion report to USEPA.

On January 18, 2005, USS requested a second modification to the CAMU to use Unit 1for disposal of additional remediation waste generated during Gary Works Corrective Action-related activities. USEPA approved USS' use procedure request on March 23, 2006 (USEPA, 2006). Corrective Action

wastes approved by the USEPA and disposed of in the CAMU include, remediation wastes generated from: the West Grand Calumet Lagoon drum removal, the HWT-2 lagoon closure project, the East Lake Solid Waste Management Area (SWMA) Area of Concern ELA-3 excavation, the West Bay cut off wall construction, the Benzene Interim Stabilization Measure (ISM) conveyance pipeline construction, and the N-Yard coke unloader station construction. In addition, IDW generated from ongoing RCRA site investigations groundwater monitoring activities have been placed in the CAMU.

In 2005, USS began to observe oil blooms near the Coke Plant. As a result, USS and USEPA agreed to re-evaluate conditions in that portion of the GCR. USS conducted additional studies including a bathymetric survey and found impacted sediments remaining in the GCR. From February 2007 to December 2007, a second dredging event was performed along a 6,100 feet long stretch of the GCR and approximately 40,000 cubic yards of sediments were placed in the CAMU. In May 2008, USS submitted a dredge completion report to the USEPA. In March 2010, USS received a letter from USEPA recognizing that the project objective had been met (USS, 2010).

2.3 CAMU Construction

The CAMU was designed as a RCRA Subtitle C landfill, and can accept hazardous materials and wastes. The CAMU was constructed from 2001 to 2002. While Unit 1 (12.8 acres) is smaller than Unit 2 (24.2 acres), the Units are identically constructed. Unit 1 on the west side of the CAMU is identified as a TSCA regulated unit and contains dredged sediments and remediation wastes with concentrations of PCBs of 50 ppm or higher. Unit 2 (east side of the CAMU) is a non-TSCA regulated unit and contains wastes with PCB concentrations of less than 50 ppm.

The key elements of the CAMU design include a large perimeter berm, an interior berm separating Units 1 and 2, primary and secondary liner systems, leachate collection system (LCS), leak detection system (LDS), and a storm water management system. These design elements are described in the CAMU Construction/Operation Level Design Report (COLDR) (Earth Tech, 2001). Drawings from the COLDR depicting the leak detection system, leachate collection system, and cross-section views of the CAMU are provided in **Appendix B**.

2.3.1 CAMU Liner System

The CAMU liner system, coupled with the leachate collection and leak detection systems beneath the waste materials, effectively contains possible releases to the surrounding environment. Each CAMU unit includes primary (i.e., leachate) and secondary (i.e., leak detection) liners; however, there are some minor differences between the floor and the side slope construction. The leachate collection liner system across the bottom of each Unit consists of the following, starting at the top and proceeding downward:

- Leachate collection blanket of 12 inches of fine aggregate;
- Leachate collection blanket of 12 inches of coarse aggregate;
- Geotextile cushion; and
- Primary 60-mil high density polyethylene (HDPE) geomembrane.

Below the leachate collection liner system is the leak detection system which consists of the following, starting immediately below the leachate 60-mil HDPE geomembrane and proceeding downward:

- Geonet composite;
- Secondary 60-mil HDPE geomembrane; and
- Geosynthetic clay liner.

Perforated pipes are placed in trenches in the leak and leachate collection systems to collect fluids and transfer them to risers located along the perimeter of the CAMU.

The liner system along the side slopes of the Units is exactly the same as the bottom except it does not include the fine and coarse aggregate leachate collection blankets and includes a woven geotextile for UV protection.

The primary and secondary liner systems do not have any operational parts and function as designed. Waste disposal, surface water management and other operations within the CAMU are performed in a manner that will not compromise the integrity of the multi-layer liner system.

A site-specific Response Action Plan (Attachment 2 of the CAMU O&M Plan [USS, 2014b]) was prepared to address leakage through the top liner into the leak detection system. The Response Action Plan includes the calculation of an Action Leakage Rate (ALR), which is the maximum design flow rate the leak detection system can remove without the fluid head on the bottom liner exceeding one (1) foot. Exceedances of the ALR would cause fluid head to build on the leak detection system and increase the potential for leakage from the CAMU.

For the 2009-2016 CAMU monitoring period, the Unit 1 leak detection average daily flow rates for each month were compared to the ALR of 8,075 gallons/acre per day:

2009 – Unit 1	**Average Leak Detection Water Volumes (Gallons per Day)**	**Average Leak Detection Flow Rate (Gallons/Acre per Day)**
January 2009	8,522	706.63
February 2009	8,507	705.39
March 2009	8,355	692.79

2009 – Unit 1	Average Leak Detection Water Volumes (Gallons per Day)	Average Leak Detection Flow Rate (Gallons/Acre per Day)
April 2009	7,998	663.18
May 2009	7,468	619.24
June 2009	6,919	573.71
July 2009	6,579	545.52
August 2009	6,144	509.45
September 2009	5,753	477.03
October 2009	5,302	439.64
November 2009	5,177	429.27
December 2009	5,131	425.46

2010 - Unit 1	Average Leak Detection Water Volumes (Gallons per Day)	Average Leak Detection Flow Rate (Gallons/Acre per Day)
January 2010	5,406	448.26
February 2010	5,413	448.84
March 2010	5,837	484.00
April 2010	5,663	469.57
May 2010	5,187	430.10
June 2010	5,399	447.68
July 2010	5,129	425.29
August 2010	5,122	424.71
September 2010	4,818	399.50
October 2010	4,684	388.39
November 2010	5,087	421.81
December 2010	4,773	395.77

2011 - Unit 1	Average Leak Detection Water Volumes (Gallons per Day)	Average Leak Detection Flow Rate (Gallons/Acre per Day)
January 2011	4,060	336.65
February 2011	4,197	348.01
March 2011	4,038	334.83
April 2011	2,858	236.98
May 2011	3,667	304.06
June 2011	3,973	329.44

2011 - Unit 1	Average Leak Detection Water Volumes (Gallons per Day)	Average Leak Detection Flow Rate (Gallons/Acre per Day)
July 2011	2,995	248.34
August 2011	3,364	278.94
September 2011	2,278	188.89
October 2011	2,567	212.85
November 2011	3,354	278.11
December 2011	3,301	273.71

2012 - Unit 1	Average Leak Detection Water Volumes (Gallons per Day)	Average Leak Detection Flow Rate (Gallons/Acre per Day)
January 2012	3,309	274.38
February 2012	3,177	263.43
March 2012	2,539	210.53
April 2012	3,568	295.85
May 2012	2,299	190.63
June 2012	1,578	130.85
July 2012	2,424	201.00
August 2012	1,933	160.28
September 2012	1,504	124.71
October 2012	1,916	158.87
November 2012	2,695	223.47
December 2012	3,061	253.81

2013 - Unit 1	Average Leak Detection Water Volumes (Gallons per Day)	Average Leak Detection Flow Rate (Gallons/Acre per Day)
January 2013	2,534	210.12
February 2013	2,263	187.65
March 2013	2,422	200.83
April 2013	2,076	172.14
May 2013	2,933	243.20
June 2013	798	66.17
July 2013	2,699	223.80
August 2013	4,506	373.63
September 2013	54,940*	4,555.56*
October 2013	4,211	349.17

2013 - Unit 1	Average Leak Detection Water Volumes (Gallons per Day)	Average Leak Detection Flow Rate (Gallons/Acre per Day)
November 2013	2,350	194.86
December 2013	5,199	431.09

2014 - Unit 1	Average Leak Detection Water Volumes (Gallons per Day)	Average Leak Detection Flow Rate (Gallons/Acre per Day)
January 2014	2,839	235.41
February 2014	518	42.95
March 2014	--**	--**
April 2014	4,169	345.69
May 2014	4,351	360.78
June 2014	4,138	343.12
July 2014	3,449	285.99
August 2014	2,278	188.89
September 2014	2,032	168.49
October 2014	1,496	124.05
November 2014	2,636	218.57
December 2014	2,685	222.64

2015 - Unit 1	Average Leak Detection Water Volumes (Gallons per Day)	Average Leak Detection Flow Rate (Gallons/Acre per Day)
January 2015	2,719	225.46
February 2015	3,051	252.99
March 2015	2,824	234.16
April 2015	2,219	184.00
May 2015	4,487	372.06
June 2015	3,696	306.47
July 2015	2,861	237.23
August 2015	1,055	87.48
September 2015	1,888	156.55
October 2015	2,412	200.00
November 2015	2,670	221.39
December 2015	3,826	317.25

2016 – Unit 1	Average Leak Detection Water Volumes (Gallons/Day)	Average Leak Detection Flow Rate (Gallons/Acre per Day)
January 2016	3,278	271.81
February 2016	3,219	266.92
March 2016	3,312	274.63
April 2016	3,420	283.58
May 2016	3,474	288.06
June 2016	2,396	198.67
July 2016	1,584	131.34
August 2016	1,811	150.17
September 2016	2,170	179.93
October 2016	1,299	107.71
November 2016	1,632	135.32
December 2016	2,475	205.22

2017 – Unit 1	Average Leak Detection Water Volumes (Gallons/Day)	Average Leak Detection Flow Rate (Gallons/Acre per Day)
January 2017	2,457	203.73
February 2017	2,137	177.20
March 2017	2,607	216.17
April 2017	2,203	182.67
May 2017	2,743	227.45
June 2017	751	62.17
July 2017	2,586	213.60
August 2017	1,618	134.16
September 2017	1,097	90.96
October 2017	3,962	320.23
November 2017	1,309	108.54
December 2017	2,777	230.27

Notes:

* = During the period of September 5 through 22, 2013, higher leakage water volumes than expected were recorded at CAMU Unit 1. No operational issues were observed during this period of time, and water volumes returned to typical values on September 23, 2013.

--** = No data was collected in March 2014 due to the totalizer not operating properly.

The average leak detection flow rate was calculated by dividing the average daily water volume (for each month) by the combined CAMU Unit 1 leak detection (sump DS-1 and sump DS-2) drainage area of 12.06 acres.

The CAMU Action Leakage Rate is 8,075 gallons/acre per day.

For the 2009-2016 CAMU monitoring period, the average daily flow rates for each month are less than the ALR of 8,075 gallons/acre per day, as defined in the Response Action Plan, Appendix K6, of the CAMU COLDR (Earth Tech, 2001). Average monthly flow rates less than the ALR indicate that fluid head has not built up on the leak detection system and there is not an increased potential for leakage from the CAMU. Because the flow rates have been less than the ALR, no further action (i.e., increased monitoring/pumping frequency, USEPA/IDEM notification, third party inspections, etc.) has been required.

2.3.2 Leachate Collection and Leak Detection Systems

Water that has contacted the waste and reaches the primary liner is collected by the Leachate Collection System (LCS). In previous years, the water collected by the CAMU Unit 1 LCS flowed into one of two leachate collection sumps. The CAMU has a dedicated Project-Specific Water Treatment Plant (PSWTP) permitted under the authority of National Pollutant Discharge Elimination System (NPDES) to manage the leachate (NPDES Permit No. IN0061077). The PSWTP is currently not in use and there is no discharge through the NPDES-authorized outfall. Leachate water is recirculated within Unit 1 or processed through Granular Activated Carbon (GAC) treatment prior to being sent to the Evaporative Spray System (as described in Section 2.2.3) or to Unit 2 as supernatant.

2.3.3 CAMU Spray System

The NPDES permit, effective December 1, 2006, established a 3-year compliance schedule for meeting newly established daily and monthly discharge concentrations and mass limits for ammonia (as total Nitrogen) for Outfall 001. The ammonia compliance date was November 30, 2009. Because the WTP did not have the process equipment in place at the time to maintain compliance with the Permit's new limits, USS evaluated five options to achieve compliance. These included: 1) redirection of WTP effluent to the C-Lot Lagoons; 2) zeolite absorption; 3) break-point chlorination; 4) air stripping; and 5) evaporation and transpiration (spray system). The spray system was selected by USS because it eliminated all discharges to the GCR, thereby ensuring compliance with the new ammonia limits. The spray system was also selected as the best option to cope with the decreasing volume of supernatant in the CAMU.

In October and November 2009, USS set up and operated a pilot test demonstration to assess the efficacy of a spray system. The pilot system consisted of 16 sprinkler heads spaced in a line approximately 40 feet apart and located near the center of CAMU Unit 2. The system pumped leachate from the LCS of CAMU Unit 1 and conveyed it through a pipe line and out of 16 sprinkler heads within CAMU Unit 2. Leachate from each spray head was released in a circular pattern from the nozzles with an 18.5-foot radius at a pumping rate of approximately 250 gallons per minute. A flow meter on the conveyance piping measured the amount of leachate pumped through the

system. The entire system operated from a single submersible pump located in the LCS sump. Once started, the pump directed leachate to the sprinklers until manually switched off. The subsequent evaporation and transpiration of leachate within CAMU Unit 2 maintained and fulfilled all operating requirements for the CAMU's leachate management. The system operated 8 hours per day, three days per week. The pilot system only operated in October and November 2009 because the system was not designed to operate during winter months. During the pilot demonstration, USS continued to monitor the air emissions at the CAMU and residential monitoring stations in accordance with the air monitoring plan. The pilot system only operated on days when air monitoring at the CAMU was conducted.

Pilot testing resumed on April 6, 2010 and continued through July 1, 2010 (as previously agreed with USEPA). Prior to resuming the system, the spray system was modified to include the installation of Granular Activated Carbon (GAC) to treat VOCs and SVOCs in the leachate. In addition, USS increased the distance between the spray heads to eliminate overlap of the individual sprays. The spray heads are currently 40 feet apart. The flow rate (spray rate) remained at 250 gallons per minute. USS operated the system 8 to 10 hours per day, three days per week. As with the 2009 pilot test, USS operated the system only on those days when the air monitoring at the CAMU was performed.

In 2012, an extended pilot test was performed between May 22 and October 22. The system operated five days per week for 8 to 10 hours each day under the same parameters as in 2010. Air monitoring was conducted each day the system was operating. The results of the extended 2012 pilot test were reported to the USEPA and the Indiana Department of Environmental Management (IDEM) in January 2013.

In 2014, USS reconfigured the spray system piping and sprinkler heads. The main discharge header runs from the carbon tanks south along the center berm of the CAMU. The spray nozzles are attached to the main header via line drops every 40 feet.

The spray system, having been proven effective in managing internal CAMU fluids and environmentally sound by ensuring compliance with applicable air emission standards, is the chosen current and future method for fluid management in the CAMU. The spray system is operated as needed in warmer months to maintain water levels in Unit 1. Air monitoring will be conducted at a frequency and locations as approved by the USEPA.

Spray system piping conveys leachate from the LCS in Unit 1 to the CAMU spray system during operation of the spray system. The conveyance lines are force mains and must remain free of sediment to allow the conveyance of leachate to the sprinkler heads. Access along the force main is provided at each pipe joint section.

The spray system consists of a pump, GAC treatment units, quick connect tubing, spray heads, pressure gauges, and a flow meter. Calibrations to the spray system pressure gauges and flow meter are not required. Maintenance to the spray system will include replacing worn pipe and joints that are leaking and do not provide the sufficient pressure to activate the sprinklers. Cleaning and/or replacing worn or clogged sprinkler heads will be conducted as needed to maintain an operating spray system. A visual inspection of the spray system components will be performed annually when the system is taken out of service for the winter.

GAC will continue to be used to treat the leachate prior to it being sprayed. The GAC units will operate in a lead and lag configuration. Weekly sampling at the GAC units will continue to monitor the treatment efficiency as described in Section 3.4. Because the spray system eliminates fluid discharges to the GCR, monitoring of all parameters required under NPDES Permit IN0061077 is not necessary. However, in accordance with the NPDES permit, USS submits monthly discharge monitoring reports (DMRs) to document that there have been no fluid discharges to the GCR.

NPDES Permit IN0061077 was renewed in June 2012 and remains current in the event that CAMU operating conditions warrant treatment and discharge of supernatant in addition to operation of the spray system. Any such discharges will be in compliance with the permit requirements.

2.4 CAMU Operations and Maintenance

CAMU operations and maintenance (O&M) activities are generally systematic, with varying frequencies that depend on when waste is being disposed or not being disposed. The CAMU's site function is as follows:

- Disposal – when remediation waste is being disposed in the CAMU, and
- Non-disposal – when waste disposal activities are not being performed or disposal consists only of IDW.

2.4.1 Scope of Operations

Operation of non-system areas of the CAMU which are subject to maintenance include, but are not limited to:

- Exterior and interior berms;
- Roadways on the top of the berm around the CAMU;
- Geosynthetic liner system; and
- Equipment, i.e., pumps, transducers, circuit boards etc.

Maintenance of the above items typically includes mowing of vegetation, adding gravel and grading the perimeter roadways, inspection and repair of the geosynthetics along the interior of the Units, and repair of pumps, transducers, and circuit boards etc.

Operation of the CAMU systems includes, but is not limited to:

- Leak detection system;
- Leachate collection system;
- Storm water system (storm water retention ponds);
- Spray system; and
- Air monitoring system.

Operation of the systems typically includes using mechanical pumps and associated piping, valves, transducers, electronic equipment like Programmable Logic Controllers, electrical parts, etc. and containers for collecting fluid and air samples for analysis. Pumping fluids between the Units for management and control of storm water is also part of the CAMU operation. Maintenance of the mechanical systems is performed as needed to allow continued operation of the systems. Air monitoring is performed at the CAMU as specified in the Air Monitoring Operations Plan (AMOP) which is provided as Attachment 1 of the CAMU O&M Plan (USS, 2014b).

The WTP, which was used to treat supernatant during the GCR dredging project, has not been in use since December 2009. Leachate treatment and control of storm water is being performed by a spray system.

Forms to document monitoring, maintenance activities, system equipment suppliers, subcontractors, and spare parts information are presented in the CAMU O&M Plan.

The O&M Plan references the text, tables, figures and Project Drawings D1 through D29 from the *CAMU Design for Construction and Operation, Construction Level Design Report* (COLDR) (Earth Tech, 2001).

2.4.2 CAMU Inspections

Routine inspection activities will be performed by the CAMU Operator. The inspection activities at the CAMU will be performed as follows:

DISPOSAL PERIODS

- Daily inspection and reporting of the operating systems which include the leachate collection, leak detection, storm water, spray, and air monitoring systems;
- Daily inspection and reporting during disposal and grading activities; and

- Daily inspection and reporting of perimeter and interior roadways, and general condition (i.e., observations of wear and tear) of the geosynthetics.

NON-DISPOSAL PERIODS

- Monthly inspection and reporting of the operating systems which include the leachate, leak detection, storm water, spray and air monitoring systems;
- Monthly inspection and reporting of temporary waste container and staging area; and
- Monthly inspection and reporting of the perimeter vegetation, perimeter and interior roadways, and general condition (i.e., observations of wear and tear) of the geosynthetics.

In addition to the routine geosynthetics inspections/observations performed by the CAMU Operator, a detailed inspection of the geosynthetics will be performed by a geotechnical engineer on a semi-annual basis.

The CAMU inspection and maintenance requirements are summarized in **Table 1**.

2.4.3 CAMU Maintenance

Maintenance of the operating systems will include, but are not limited to: functioning pumps, piping, valves, transducers, electronic equipment like PLCs, electrical parts, etc., for collecting fluid and air samples, and for transfer of fluids. Additional information regarding the maintenance of the operating systems is provided in Section 1.0 of the CAMU O&M Plan (USS, 2014b), including references to applicable vendor O&M manuals.

Maintenance along the exterior side slope will be performed as needed to provide stable slopes and will include mowing of the vegetation. Perimeter and interior roadways will be maintained as needed to provide access and safe passage around each Unit. Maintenance to the geosynthetics at locations where the geomembrane is exposed will be performed following the semi-annual inspections.

Documentation of maintenance or repairs of operating systems will be recorded on the CAMU Leak Detection and Evaporative Spray System Inspection Form (Appendix B-1 of the CAMU O&M Plan). Maintenance activities pertaining to the CAMU site features (berms, roadways, and liner) will be recorded on the CAMU Site Inspection Form (Appendix B-1 of the CAMU O&M Plan).

2.4.4 CAMU Monitoring Programs

Sampling of air, groundwater, leachate, leak detection fluids, and the evaporative spray system water will occur during disposal and non-disposal periods at the CAMU. The CAMU monitoring programs are described in **Section 3.0**.

2.4.5 Waste Placement

Waste materials placed in CAMU Unit 1 include IDW and RDW that may contain concentrations of PCBs greater than 50 ppm that were generated during the implementation of Corrective Action-related remediation activities.

On April 15, 2013 and April 16, 2013, USS provided to USEPA an updated request to dispose of IDW into the CAMU. In previous years, the details of each waste stream (analytical results, volume, and source) were provided to USEPA prior to disposal of new wastes in the CAMU. In an effort to streamline the disposal process for RCRA Corrective Action related IDW, as well as minimize the volume of waste staged prior to disposal, USS requested approval from USEPA to dispose of future RCRA Corrective Action-related IDW in the CAMU. USEPA approved USS' request to dispose of Corrective Action-related IDW in the CAMU by letter dated April 25, 2013 (USEPA, 2013).

RDW placement within the CAMU is subject to USEPA approval. For each remediation event, USS will submit to USEPA a written request for disposal of RDW in the CAMU. In accordance with RCRA Corrective Action Order (USEPA, 1998), the TSCA Approval (USEPA, 2014), and the CAMU Use Procedures (USEPA, 2013), notification will be submitted to the USEPA 30 days prior to the remediation event. The details of each RDW waste stream (location/extent/source of materials, material type(s), available analytical results, and volume) will be provided to USEPA for approval prior to disposal in the CAMU.

Disposal of Corrective Action-related IDW and RDW will be documented on the Internal Waste Shipment Bill of Lading for the CAMU. Documentation will be kept on-site in the office of the WTP. Waste disposal events, quantities, and chemical composition, specifically PCB concentrations, will be reported in the CAMU Use and Operation and Maintenance Annual Report.

At a minimum, the following documentation will be maintained:

- Number of trucks/quantity of waste
- Dates and times of operation
- Weather conditions
- Dust suppression techniques used (if any)
- An estimate of the total mass of constituents of concern in soil brought to the CAMU (calculated at the completion of the disposal event)
- Approximate location where IDW or RDW waste is disposed in the CAMU shall be documented on a map
- The material's point of origin.

USS will notify USEPA via e-mail within five (5) business days of disposing wastes in the CAMU.

2.4.6 Reporting Requirements

Progress, status and other reports will be incorporated into the USS monthly and/or quarterly reports to the USEPA as required by the Consent Order.

By June 30 of each year, USS will provide a CAMU Use and Operations and Maintenance Annual Report. The annual report will include, but is not limited to, the following:

- A summary of disposal activities (dates, waste type, volume, etc.);
- A summary of monitoring results (groundwater monitoring, leachate and leak detection system monitoring, and air monitoring);
- Graphs for each chemical detected during four or more monitoring events for the groundwater, leak detection, and leachate collection monitoring programs;
- Hydrographs and groundwater contour maps;
- Analysis and interpretation of data;
- Statistical analysis;
- Description of deviations and associated corrective actions;
- Proposed revisions to CAMU monitoring plans based on monitoring results or equipment changes (e.g., replacement of equipment due to damage or improvements/changes in monitoring technology); and
- Leak detection flows from leak detection sumps in Units 1 and 2, and any exceedances of the response and action leakage rate.

2.5 CAMU Closure

In February 2003, USS submitted to USEPA a Closure Plan and Post-Closure Plan for the CAMU (USS, 2003). Per the Closure and Post-Closure Plan, the final cover construction on the CAMU will be performed after the CAMU is filled to specific grade with non-native sediments from the GCR and any other USEPA-approved Corrective Action wastes from the Gary Works facility.

Within 90 days of receiving the final volume of wastes, USS will begin closure activities. Closure will be completed in 180 days unless an extension is requested by USS and approved by USEPA. The CAMU final cover system will consist of:

- Grading the existing waste to the design contours;

- Placing and compacting a minimum of a one-foot thick slag layer of the waste;
- Installing a gas collection system within the 1-foot thick slag layer above the graded waste;
- Installing a geosynthetic clay liner on the top of the slag;
- Installing a 4-mil HDPE geomembrane liner over the geosynthetic clay liner;
- Installing a synthetic geonet over the geomembrane liner;
- Installing a protective geotextile filter fabric over the geonet;
- Placing a one-foot thick sand cover over the geotextile fabric;
- Placing a two-foot thick slag cover over the sand;
- Harrowing a seed/organic matter mixture into the upper six (6) inches of slag to form a vegetative cover; and
- Installing a storm water drain system inside the perimeter access road to divert surface water away from the CAMU.

3.0 MONITORING AND SAMPLING PLAN AT THE CAMU

This section is organized as follows:

- Section 3.1 discusses the groundwater monitoring program;
- Section 3.2 discusses the leak detection and leachate collection system monitoring program;
- Section 3.3 discussed the air monitoring program; and
- Section 3.4 discusses the spray system monitoring program.

3.1 Groundwater Monitoring Program

The CAMU groundwater monitoring program consists of a total of 14 monitoring wells and piezometers at 8 locations as shown on **Figure 2**. These wells were selected for coverage of upgradient, downgradient, and side-gradient locations.

Annual groundwater monitoring includes collecting water level and field parameter (temperature, pH, conductivity, dissolved oxygen, oxidation reduction potential, and turbidity) measurements, along with groundwater samples for analytical parameters. The initial list of analytical parameters for the groundwater monitoring program is presented in Table 2.1 of the CAMU COLDR (Earth Tech, 2001). Because the initial parameter list was very large and many of the constituents (i.e., dioxins, pesticides, and herbicides) had not been detected in the groundwater during the 2003 CAMU operating year, USS requested a reduction to the parameter list on April 27, 2004 (USS, 2004). The USEPA conditionally approved reduction recommendations on September 23, 2004 (USEPA, 2004). Currently, USS monitors groundwater for field parameters, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), PCBs, RCRA metals, hexavalent chromium, and lithium. The parameter list and frequency of sampling may be modified pursuant to monitoring results and additional wastes managed by the CAMU.

The groundwater data are compared to the USEPA Maximum Contaminant Levels (MCLs) (USEPA, 2009) (if there is one for the parameter), USEPA Regional Screening Values (RSLs) (USEPA, 2015) for tap water, the USS Ecological Screening Values (ESVs) selected for the East Breakwater Area (USS, 2014), and the CAMU-specific Prediction Limits for metals. Confirmation sampling may be required based on the comparison as identified in the current USEPA-approved CAMU Operation and Monitoring Plan.

A change in the parameter list may be proposed based on annual reviews of detections. Any request for modification of sample parameters or sampling frequency shall be submitted to the USEPA for acceptance prior to implementation.

3.1.1 Approved Changes to the Groundwater Monitoring Program

A groundwater statistical evaluation was performed in April 2017 to incorporate groundwater data generated subsequent to 2013, and to evaluate pre-construction groundwater data (prior to December 2002) against post-construction data (December 2002 through the present) (WCG, 2017). As with the 2014 statistical evaluation, VOCs, SVOCs, and PCBs were not detected at a sufficient frequency to perform a statistical analysis. The purpose of this statistical evaluation was to support proposed modifications to the groundwater analytical program (i.e., a switch from total metals analysis to dissolved metals analysis) and the use of statistically-derived, site-specific prediction limits (versus risk-based groundwater screening criteria) to evaluate potential releases of metals constituents from the CAMU.

On March 10, 2017, USS requested USEPA approval to modify the CAMU groundwater analytical program to replace total metals analysis with dissolved metals analysis, and to utilize statistically-derived, site-specific prediction limits to evaluate potential metals releases from the CAMU. USEPA requested that a statistical comparison be performed on the groundwater data set before approval could be granted. USS performed a statistical evaluation on the dissolved metals and total metals data sets to identify possible statistically significant differences between the data sets. By email correspondence dated March 24, 2017, USS provided a summary of the results of the statistical evaluation and a conclusion that there were no statistically significant differences between the dissolved metals and total metals data. USEPA approved USS' request to analyze for dissolved metals via email correspondence dated April 12, 2017 (USEPA, 2017a).

On May 2, 2017, USS submitted a technical memorandum (WCG, 2017) to USEPA presenting statistically-derived prediction limits (i.e., concentrations) for the comparison of groundwater compliance data against background data. Because prediction limits are an estimated upper limit of the background data, a confirmed exceedance of a given parameter's prediction limit would suggest that groundwater concentrations increased above background levels. The use of prediction limits is a more appropriate indicator of a potential release from the CAMU than the historical use of risk-based screening criteria.

Prediction limits were generated for metals only, as there were an insufficient number of detections of VOCs, SVOCs, and PCBs in the CAMU groundwater samples to perform a statistical evaluation.

VOCs, SVOCs, and PCBs analytical data will be evaluated using the double quantification rule described in the 2009 USEPA Unified Statistical Guidance (USEPA, 2009a) as a means to evaluate the potential for future changes in groundwater quality.

USEPA approved the technical memorandum and use of prediction limits via email correspondence dated June 29, 2017 (USEPA, 2017b).

3.2 Leachate Collection and Leak Detection System Monitoring Program

The leachate collection and leak detection sampling program consists of two sampling points as shown on Drawing D4 of the COLDR (Earth Tech, 2001). For Unit 1, these sample points are identified as LCS-01and LDS-01, and are associated with the LCS and LDS, respectively, beneath CAMU Unit 1. The sample ports for LCS-01 and LDS-01 (Unit 1) are located at pipe connection manhole CM 1-2.

The initial list of analytical parameters for the leachate and leak detection sampling program is located on Table 2.1 of the CAMU COLDR (Earth Tech, 2001), and is comprised of constituents previously detected in samples of the dredge material. Many of the constituents from the initial parameter list have not been detected in groundwater, LDS, or LCS samples during CAMU operation. USEPA approved recommendations (conditionally approved on September 23, 2004 [USEPA, 2004]) for reducing the parameter list.

USS currently monitors leachate collection system sample port LCS-01 monthly for VOCs, SVOCs, PCBs, RCRA metals, hexavalent chromium, lithium, ammonia, total dissolved solids (TDS), and total suspended solids (TSS). USS currently monitors leak detection system sample port LDS-01 semi-annually for field parameters, VOCs, SVOCs, PCBs, RCRA metals, hexavalent chromium, lithium, ammonia, TDS, and TSS.

USEPA agreed to reduce the frequency of groundwater sampling from semi-annual to annual. Any request for modification of sample parameters or sampling frequency shall be submitted to the USEPA for acceptance prior to implementation.

3.3 Air Monitoring Program

The USS air monitoring program addresses the monitoring of benzene, ethylbenzene, toluene, and xylenes (BTEX), naphthalene, and particulate matter 10 micrometers in diameter (PM_{10}) that may be released during waste placement activities. The air monitoring program is described in detail in the

CAMU AMOP (presented as Attachment 1 of the CAMU O&M Plan [USS, 2014b]). Current air monitoring locations are presented in **Figure 3**.

On October 13, 2017, USS submitted a request to USEPA to suspend air monitoring at the CAMU when USS is not actively disposing of remediation waste. USS' request included ten (10) years of air monitoring data that demonstrated the following:

- Benzene concentrations have not exceeded the action level in the past ten (10) years. The concentration of benzene exceeded the notification level at CAMU Station 1 (CM1) once during the October 12-13, 2009 sampling event.
- Ethylbenzene, toluene, and total xylenes concentrations have not exceeded their respective action levels or notification levels in the past ten (10) years.
- Naphthalene concentrations have not exceeded the action level in the past (10) years. The concentration of naphthalene has exceeded the notification level during the past ten (10) years. Most of these exceedances of the notification level occurred during the period following the dredging of the GCR. However, since July 2013, there have only been four (4) exceedances of the notification level at the CAMU monitoring stations and one (1) exceedance at the residential monitoring station.
- The maximum 24-hour reading for PM_{10} at the CAMU exceeded the National Ambient Air Quality Standard one time since 2010.

By letter dated February 1, 2018, USEPA approved a reduction in air monitoring during non-operational periods (USEPA, 2018). The frequency of sample collection conducted during the first two weeks of disposal operations, after the first two weeks of disposal operations, and during non-operational periods is presented below in **Sections 3.3.1** and **3.3.2**.

3.3.1 BTEX and Naphthalene

Ambient air monitoring for the VOCs benzene, toluene, ethylbenzene, and total xylenes (BTEX) and for the SVOC naphthalene are performed at two on-site locations (CAMU Air Monitoring Stations 1 and 2) and one residential station at the intersection of Ellsworth Street and 1st Avenue.

The two on-site sampling stations are placed at locations surrounding the CAMU, specifically one located on the west berm of Unit 1 (CAMU Station 1) and one located on the south berm (CAMU Station 2) between the CAMU and the commercial business to the east. CAMU Station 3, which was previously included in the BTEX and naphthalene monitoring program, has been removed from the sampling program. USS began monitoring the air at CAMU Station 3 (one of two monitoring stations

at the CAMU's southern berm) in 2002. From 2002 to 2014, elevated naphthalene concentrations were most frequently measured at CAMU Station 2. USS submitted requests to USEPA on August 15, 2013 and May 1, 2014 to remove CAMU Station 3 from the monitoring program. USEPA conditionally approved USS' request via e-mail correspondence dated July 1, 2014.

Air samples are collected in Summa canisters equipped with a vacuum regulator to collect 24-hour time-integrated samples. The air monitoring locations and frequency of sample collection are presented below:

Parameter Group	**CAMU Station 1 (CM1)[a]**	**CAMU Station 2 (CM2)[a]**	**Ellsworth St. North of 2nd Ave (GB1)[b]**
During First Two Weeks of Waste Placement [c]			
BTEX[d] and Naphthalene	Daily	Daily	Daily
After First Two Weeks of Waste Placement [e]			
BTEX[d] and Naphthalene	3 times/week	3 times/week	3 times/week
No Waste Placement			
BTEX[d] and Naphthalene	2 times/month	2 times/month	2 times/month

Notes:

During short-term disposal events, air monitoring will be coordinated to ensure coverage during the entire short-term disposal event.

a - Depending on wind direction, data collected from CAMU stations 1 and 2 may be used to estimate exposure for off-site workers and residents (see Figure 3 for the locations of sampling stations for B and PM_{10}).

b – Residential monitoring will be continued as long deemed necessary by EPA and U. S. Steel.

c – If a notification exceedance occurs during the initial two weeks of waste placement, another two-week period of data collection will occur following the exceedance.

d – Benzene, ethylbenzene, toluene, total xylenes, and naphthalene.

e – Following the initial two weeks air monitoring frequencies will be three times per week. If a notification or action level is exceeded following the initial two weeks, the monitoring frequency will increase to 5 times per week. Following a two-week period with no exceedances, the frequency may be reduced to 3 times per week.

3.3.2 PM_{10}

During GCR dredging, PM_{10} was monitored at the CAMU using two rental units. In December 2010, USS replaced the rental units with two permanent units and one mobile unit. The three units are situated at the top berm of the CAMU within 5 to 10 feet of the sediment in the CAMU cells. PM_{10}

Unit 1 is located along the eastern berm of CAMU Unit 1 and PM10 Unit 2 is located along the eastern berm of CAMU Unit 2. PM_{10} Unit 3 is located along the southern berm of the CAMU and is a mobile unit that can be moved in conjunction with disposal activities. PM_{10} monitoring is not conducted in residential neighborhoods for the following reasons:

1) The Indiana toll road (I-90) is located between the CAMU and the residential areas which will likely serve as a source of particulate matter from vehicular traffic and construction activities; and

2) Localized sources of particulate matter, such as road dust released to the atmosphere due to vehicular traffic and/or street cleaning, residential fires, etc. could affect the results of neighborhood monitoring. The PM_{10} monitoring units provide real-time results hourly throughout the day. The data are collected by the unit and then downloaded via software programming each hour, as well as on 5-minute intervals. Data from the monitoring units are compiled hourly and are recorded on a daily basis.

The PM_{10} monitoring locations and frequency of sample collection are presented below:

Parameter Group	PM10 Unit 1	PM 10 Unit 2	PM 10 Unit 3
During First Two Weeks of Waste Placement			
PM10 [a]	Continuous	Continuous	Continuous
After First Two Weeks of Waste Placement			
PM10 [a]	Continuous	Continuous	Continuous
No Waste Placement			
PM10 [a]	1 week/month	1 week/month	1 week/month

Notes:
a – PM10 monitoring used as a surrogate for PCBs and metals.
PM_{10} = Particulate Matter with a diameter of 10 micrometers or less

3.4 Spray System Monitoring Program

The spray system is typically restarted in the spring of each year and continues operating through fall or as needed to maintain water levels in Unit 1. After it is restarted, the system typically operates five days per week for 8 to 10 hours each day. Monitoring previously was completed through six (6) passive ammonia samplers set up at three locations on the northern, eastern, and southern berms of the CAMU (see **Figure 3**). The paired samplers collect samples over different

durations (weekly and monthly) to assess time-specific exposures and capture emissions during operating and non-operating periods. Results of the ammonia sampling are compared to both the U.S. EPA Reference Concentration (RfC) for annual chronic inhalation toxicity and the Agency for Toxic Substances and Disease Registry (ASTDR) Minimum Risk Level (MRL) for acute ammonia inhalation toxicity. Chronic toxicity is the concentration threshold at which long term effects result from prolonged exposure (1 year). The RfC for ammonia is 100 micrograms per cubic meter (ug/m^3). The MRL, or acute exposure level, is 4,800 ug/m^3. Air monitoring for ammonia around the CAMU had not indicated an exceedance of the 100 ug/m^3 RfC during the 7 years of ESS seasonal operation with no weekly or monthly average concentration for any location during any year greater than 11 ug/m^3. With the February 2018 approval for reduced monitoring, ammonia monitoring during spray system operations will continue on a weekly basis at the three locations, but not monthly. After one year, USS may request approval from USEPA revert to only monthly and suspend weekly monitoring for ammonia.

GAC will continue to be used to treat the leachate prior to it being sprayed. The GAC units operate in a lead and lag configuration. Weekly sampling at the GAC units will continue to monitor the treatment efficiency of the Units. Samples are obtained in the following order: effluent of the lag GAC unit, effluent of the lead GAC unit, and influent of the lead GAC unit. Samples are collected for BTEX, naphthalene, and ammonia and analyzed with a one (1) day (business day) turn-around time. The evaporative spray system will be shut down if a positive detection of an analytical parameter is confirmed, and will not be placed back in operation until the carbon is changed.

4.0 EVALUATION OF MONITORING AND SAMPLING DATA

This section is organized as follows:

- Section 4.1 discusses the data evaluation approach, and
- Section 4.2 discusses the results of the data evaluation.

4.1 Data Evaluation Approach

4.1.1 Groundwater, Leak Detection and Leachate

The results of the CAMU groundwater, leak detection system, and leachate collection system from the period 2009 through 2017 were compared to the current values for the USEPA MCLs (USEPA, 2009), USEPA RSLs for tap water (USEPA, 2016), the USS Gary Works ESVs selected for the East Breakwater Area (USS, 2014a), and the CAMU-specific Prediction Limits (for metals only) (WCG, 2017). The analytical laboratory reports are provided in **Appendix C-1** for groundwater, **Appendix C-2** for the leak detection system, and **Appendix C-3** for the leachate collection system.

The list of compounds VOCs, SVOCs, and metals (plus hexavalent chromium) for the CAMU groundwater is the Appendix IX list from 40 Code of Federal Regulations (CFR) Part 264 - Groundwater. The list of compound groups for the leak detection and leachate collection system are identified in **Section 3.2** of this report.

Sections **4.2.1.1** to **4.2.1.4** provide a summary of the findings from the review of the comparisons of the screening criteria to the CAMU groundwater results. **Sections 4.2.2.1** to **4.2.2.3** provide a summary of the findings from the review of the comparisons of the screening criteria to the CAMU leak collection system results. Sections **4.2.3.1** to **4.2.3.3** provide a summary of the findings from the review of the comparisons of the screening criteria to the CAMU leachate collection system results. As this TSCA renewal request is applicable only to CAMU Unit 1, only leak detection and leachate data from CAMU Unit 1 are provided.

4.1.2 Air

The on-site and residential ambient air monitoring data for BTEX and naphthalene are compared to their respective inhalation Risk-Based Levels (RBLs). The RBLs are derived in the CAMU Air Monitoring and Operations Plan (AMOP) (presented as Attachment 1 of the CAMU O&M Plan [USS, 2015]). The two types of RBLs are as follows:

- Notification Levels – the most conservative air concentration calculated using standard risk equations and exposure assumptions for each receptor population exposed to air concentrations at the CAMU. The lowest calculate level among the receptor populations is selected in order to establish a single level that will protect all receptor populations.
- Action Levels – the upper bound air concentrations. For the purpose of evaluating acceptable upper bound air concentrations, a factor of five (5) was applied to each Notification Level.

The analytical laboratory reports for samples collected from 2009 through 2016 are presented in **Appendix C-4**. The analytical laboratory reports for samples collected in 2017 are presented in Appendix F-2 of the *Year 2017 CAMU Use and Operations and Maintenance Annual Report* (USS, 2018b). **Section 4.2.4.1** presents the evaluation for BTEX and naphthalene data from 2012 through 2017.

On-site PM_{10} monitoring data are compared to the National Ambient Air Quality Standard (NAAQS). For purposes of evaluating potential dust emissions, the following criteria were selected:

- Notification Level for Particulates – the NAAQS annual average for PM_{10} of 50 micrograms per cubic meter (ug/m^3)
- Action Level for Particulates – the NAAQS the 24-hour average for PM_{10} of 150 ug/m3.

Section 4.2.4.2 presents the evaluation for PM_{10} data from 2012 through 2017.

4.1.3 Spray System

There are no data evaluations performed for the spray system samples. Results are used to determine GAC change out as indicated in **Section 3.4**. Analytical laboratory reports for the spray system data are presented in **Appendix C-5**.

4.2 Results of Data Evaluation

4.2.1 Groundwater

Summary statistics (minimum, maximum, and mean values) for CAMU groundwater are presented in **Appendix D-1**. Groundwater samples were analyzed for VOCs, SVOCs, PCBs, metals, and hexavalent chromium in 14 wells: MW01R, MW-02R, MW-04, MW-05, MW-06R, MW-07, MW-08, MW-09R, P01R, P05, P06R, P07, P08, and P09.The results of the groundwater data screening to MCLs, RSLs, and ESVs are presented below.

4.2.1.1 Comparison to USEPA MCLs

Tables 2A, **2B, and 2C** provide a summary of the comparison of the 2009-2016 analytical results to the MCLs. A comparison of the 2017 groundwater analytical results to the MCLs is provided in Table 4 of the *Year 2017 CAMU Use and Operations and Maintenance Annual Report* (USS, 2018b). The following findings are provided from an evaluation of the comparison and apply to the period from 2009 through 2017:

VOCs:

VOCs were not detected above the corresponding MCLs in the CAMU groundwater samples.

SVOCs:

SVOCs were not detected above the corresponding MCLs in the CAMU groundwater samples with the exception of bis(2-ethylhexyl)phthalate. Bis(2-ethylhexyl)phthalate was detected in one well at a concentration of 8.0 ug/l in CAMU-P05-GW-08152017 which is above the MCL of 6.0 ug/l.

PCBs:

The PCB Aroclor-1248 was detected in one instance at monitoring well MW09R in 2016 (CAMU-MW09R-GW-05192016). There are no MCLs for the seven aroclors tested for the CAMU groundwater samples.

Metals:

With the exception of arsenic, metals were not detected above the corresponding MCLs in the CAMU groundwater samples. Arsenic was detected above the MCL of 10 micrograms per liter (ug/l) in multiple wells. The wells and years when arsenic was detected were as follows:

- MW01R: 2010, 2011, 2012, 2013, 2014, 2015, 2016
- MW05: 2011
- P01R: 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017
- P05: 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017
- P06R: 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017
- P07: 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2017
- P08: 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017
- P09: 2011, 2012, 2013, 2014, 2015, 2016, 2017

The maximum arsenic detection was reported in sample CAMU-P08-GW-02152013-FD at a concentration of 89 ug/l. Three wells did not have any positive detections of arsenic. These included MW04, MW07, and MW08.

Three wells, MW02R, MW05, MW06R, MW07, and MW09R had several detections of arsenic, but none of the detections were above the MCL.

Barium, cadmium, chromium, lead, mercury, and selenium were detected at least once in the years 2009 through 2017, but none of the results were above the corresponding MCLs.

Hexavalent Chromium, Lithium, and Silver:

Hexavalent chromium was not required to be tested in sampling years 2009, 2010, and 2011. Hexavalent chromium was detected in several samples in 2012, 2013, 2014, 2015, and 2016. Hexavalent chromium was reported as non-detect in samples collected in 2017. There is no MCL for hexavalent chromium. No evaluation of this parameter was necessary.

Lithium was not required to be tested in sampling years 2009 and 2010. Lithium was detected in several samples in 2011, 2012, 2013, 2014, 2015, 2016, and 2017. There is no MCL for lithium; therefore, no evaluation of this parameter was necessary.

Silver was detected in several samples in one instance in 2012 at monitoring well P06R (CAMU-P06R-GW-09182012) There is no MCL for silver; therefore, no evaluation of this parameter was necessary.

4.2.1.2 Comparison to USEPA RSLs

Tables 2A, **2B**, and **2C** provide a comparison of the 2009-2016 analytical results to the RSLs. A comparison of the 2017 groundwater analytical results to the RSLs is provided in Table 4 of the *Year 2017 CAMU Use and Operations and Maintenance Annual Report* (USS, 2018b). The following findings are provided from an evaluation of the comparison and apply to the period from 2009 through 2017:

VOCs:

VOCs were not detected above the RSLs in the CAMU groundwater samples, with the exception of several detections of acrylonitrile and benzene. Acrylonitrile was detected at a concentration of 2.4 ug/l in CAMU-MW09R-GW-04242009 and at 0.65 ug/l in CAMU-P08-GW-09132011 which is above the RSL of 0.052 ug/l. Benzene was detected at concentrations of 4.5 ug/l in CAMU-MW09R-GW-03032014 and at 0.57J ug/l in CAMU-MW09R-GW-05192015 which is above the RSL of 0.46 ug/l.

SVOCs:

SVOCs were not detected above the RSLs in the groundwater samples with the exception of several detections of benzo(a)anthracene, bis(2-ethylhexyl)phthalate, and naphthalene. Benzo(a) anthracene was detected in one well at a concentration of 0.23 ug/l in CAMU-MW08-GW-08202013 which is above the RSL of 0.012 ug/l. Bis(2-ethylhexyl)phthalate was detected in one well at a concentration of 8.0 ug/l in CAMU-P05-GW-08152017 which is above the RSL of 5.6 ug/l. Naphthalene was detected in five wells at concentrations of 1.2J ug/l in CAMU-MW02R-GW-09212010; 2.3J ug/l in CAMU-MW02R-GW-09212010-FD; 1.4 ug/l in CAMU-MW09R-GW-04242009; 1.4 ug/l in CAMU-P06R-GW-09142011; and 1.9J ug/l in CAMU-P09-GW-09212010 which is above the RSL of 0.17 ug/l.

PCBs:

The PCB Aroclor-1248 was detected at monitoring well MW09R at a concentration of 0.12J ug/l (CAMU-MW09R-GW-056192016), which is greater than the RSL of 0.0078 ug/l. Additionally, the laboratory reporting limits are above the RSLs for the aroclors. Because the laboratory reporting limits are greater than the RSLs, no determination can be made regarding the presence or absence of PCBs above the RSL.

Metals:

With the exception of arsenic, metals were not detected above the RSL in the groundwater samples. Arsenic was detected above the RSL of 0.052 ug/l in multiple wells. The wells and years were as follows:

- MW01R: 2010, 2011, 2012, 2013, 2014, 2015, 2016
- MW02R: 2013, 2015, 2016
- MW05: 2011, 2016
- MW06R: 2011, 2012, 2013, 2015, 2016, 2017
- MW07: 2016
- MW08: 2016
- MW09R: 2011, 2012, 2013, 2015, 2016
- P01R: 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016
- P05: 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017

- P06R: 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017
- P07: 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017
- P08: 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017
- P09: 2011, 2012, 2013, 2014, 2015, 2016, 2017

The maximum arsenic detection was reported in sample CAMU-P08-GW-02152013-FD at a concentration of 89 ug/l. Also, three wells did not have any positive detections of arsenic. These wells are MW04, MW07, and MW08.

Barium, cadmium, chromium, lead, lithium, mercury, selenium and silver were detected at least once in the years 2009 through 2017, but none of the results were above the corresponding RSLs..

Hexavalent Chromium:

Hexavalent chromium was not required to be tested in sampling years 2009, 2010, and a portion of 2011. Hexavalent chromium was detected in several samples in 2011, 2012, 2013, 2014, 2015, 2016, and 2017. The wells which contained concentrations of hexavalent chromium above the RSL (0.035 ug/l) included MW01R, MW09R, P01R, P05, P06R, P07, P08, and P09.

- MW01R: September 2011
- MW09R: May, August, and November 2016, March 2017
- P01R: September 2011, February 2013, March and August 2014, and May 2016
- P05: May, August, and November 2016, March 2017
- P06R: September 2011, March 2012, February 2013, March and August 2014, May 2016
- P07: February 2013, March and August 2014, May 2016
- P08: February 2013, May, August, and November 2016, March 2017
- P09: February 2013, March 2014, May, August, and November 2016, March 2017

The maximum concentrations of hexavalent chromium were 18 ug/l in two samples: CAMU-P01R-GW-03032014 and CAMU-P06R-GW-03032014.

4.2.1.3 Comparison to USS Gary Works ESVs

Groundwater was analyzed for VOCs, SVOCs, PCBs, metals, and hexavalent chromium. **Tables 2A**, **2B**, and **2C** provide a comparison of the 2009-2016 analytical results to the ESVs. A comparison of

the 2017 groundwater analytical results to the ESVs is provided in Table 4 of the *Year 2017 CAMU Use and Operations and Maintenance Annual Report* (USS, 2018b). The following findings are provided from an evaluation of the comparison and apply to the period from 2009 through 2017:

VOCs:

Most VOCs were not detected above the ESVs in any of the wells/CAMU groundwater samples with the exception of a detection of acetone. Acetone was detected at a concentration of 2400 ug/l in CAMU-MW09R-GW-04242009 which is above the ESV of 1,700 ug/l.

SVOCs:

Most SVOCs were not detected above the ESVs in any of the wells/samples CAMU groundwater samples with the exception of several detections of anthracene, benzo(a)anthracene, and bis(2-ethylhexyl)phthalate. Anthracene was detected in one well at a concentration of 1.5J ug/l in CAMU-MW09R-GW-09132011 and at 1.3J in CAMU-MW09R-GW-05192015 which is above the ESV of 0.012 ug/l. Benzo(a)anthracene was detected in one well at a concentration of 0.23 ug/l in CAMU-MW08-GW-08202013 which is above the ESV of 0.025 ug/l. Bis(2-ethylhexyl)phthalate was detected in one well at a concentration of 8.0 ug/l in CAMU-P05-GW-08152017 which is above the ESV of 0.3 ug/l.

PCBs:

The PCB Aroclor-1248 was detected at monitoring well MW09R at a concentration of 0.12J ug/l (CAMU-MW09R-GW-056192016), which is greater than the RSL of 0.081 ug/l. Additionally, the laboratory reporting limits are above the ESVs for the aroclors. Because the laboratory reporting limits are greater than the ESVs, no determination can be made regarding the presence or absence of PCBs above the RSL.

Metals:

Most metals were not detected above the ESV in any of the wells/groundwater samples with the exceptions of lithium, selenium, and silver.

Lithium was not required to be reported in years 2009 and 2010. Lithium was detected above the ESV of 14 ug/l in multiple wells. The wells and events were as follows:

- MW01R: March and September 2011, March and September 2012, February and August 2013, March and August 2014, May 2015, May 2016, August 2017
- MW06R: September 2011, August 2013, March 2014
- MW07: August 2017

- MW08: 2011, August 2013, March and August 2014, August and November 2015, February, May, July, and November 2016, March, June, and August 2017
- P07: May 2016, August 2017

The maximum lithium detection was reported in CAMU-MW08-GW-03232011 at a concentration of 100 ug/l. Lithium was also detected in MW02R, MW04, MW05, MW09R, P01R, P05, P06R, P08, and P09 but each result was below the ESV.

Selenium was detected above the ESV of 4.6 ug/l in multiple wells and years. The wells, samples and concentrations detected were as follows: CAMU-MW04-GW-09132011 (5.1J ug/l), CAMU-MW04-GW-05182016 (6.3 ug/l), CAMU-MW04-08152017 (5.0 ug/l); CAMU-MW06R-GW-02142013 (8.9 ug/l), and CAMU-P05-GW-08142014 (11J ug/l). Selenium was also detected in wells MW02R, MW05, MW07, MW08, and P01R but the concentrations were below the ESV.

Silver was detected above the ESV of 0.12 ug/l in one well as follows: CAMU-P06R-GW-09182012 (9.9 ug/l). Silver was not detected in any other well during the years 2009 through 2017.

Barium, cadmium, chromium, lead, and mercury were detected at least once in the years 2009 through 2017. But none of the results were above the corresponding ESVs.

Hexavalent Chromium:

Hexavalent chromium was not required to be tested in sampling years 2009, 2010, and a portion of 2011. Hexavalent chromium was detected in several samples in 2011, 2012, 2013, 2014, 2015, 2016, and 2017. The wells which contained hexavalent chromium above the ESV (11 ug/l) included: P01R, P06R, P07, P08, and P09.

- P01R: September 2011, February 2013, March and August 2014, May 2016
- P06R: September 2011, March 2012, February 2013, March 2014
- P07: February 2013, March and August 2014, May 2016
- P08: February 2013
- P09: February 2013, March 2014, March 2017

The maximum concentrations of hexavalent chromium were 18 ug/l in samples CAMU-P01R-GW-03032014 and CAMU-P06R-GW-03032014.

4.2.1.4 Comparison to USS Gary Works CAMU-Specific Prediction Limits

Tables 2A, and **2B**, and **2C** provide a summary of the comparison of the 2009-2016 analytical results to the CAMU-specific groundwater prediction limits for metals. A comparison of the 2017 groundwater analytical results to the prediction limits is provided in Table 4 of the *Year 2017 CAMU Use and Operations and Maintenance Annual Report* (USS, 2018b). (Prediction limits were not developed for VOCs, SVOCs, or PCBs.) The following findings are provided from an evaluation of the comparison and apply to the period from 2009 through 2017:

Metals:

Metals detected in groundwater samples include arsenic, barium, cadmium, chromium, lead, lithium, mercury, selenium, and silver. Most metals were not detected above the prediction limit in the groundwater samples with the exception of arsenic, barium, lithium, and mercury.

Arsenic was detected above the shallow groundwater monitoring well Prediction Limit of 36 ug/l in samples CAMU-MW01R-GW-03102010 (41 ug/l) and CAMU-MW05-GW-03132011 (40 ug/l).

Barium was detected at P08 at concentrations above the well-specific Prediction Limit of 320.4 ug/l in the following samples: CAMU-P08-GW-09222010 (330 ug/l), CAMU-P08-GW-009132011 (340 ug/l), CAMU-P08-GW-03222012 (350 ug/l), CAMU-P08-GW-03222012-FD (360 ug/l), CAMU-P08-GW-09192012 (330 ug/l), CAMU-P08-GW-02152013 (330 ug/l), CAMU-P08-GW-02152013-FD (340 ug/l), and CAMU-P08-GW-03042015 (340 ug/l).

Lithium was detected in the field duplicate sample collected at MW06R at a concentration above the shallow groundwater monitor well Prediction Limit of 28 ug/l in sample CAMU-MW06R-GW-03032014 (29 ug/l). Lithium was detected in the sample collected at MW07 at a concentration above the deep groundwater monitor well Prediction Limit of 15 ug/l in sample CAMU-MW07-GW-08142017 (16 ug/l). Lithium was not required to be reported in years 2009 and 2010.

Mercury was detected at MW05 above the shallow groundwater monitoring well Prediction Limit of 0.2 ug/l in the field duplicate from sample CAMU-MW05-GW-09232009-FD (0.21J ug/l). Mercury was reported below the method detection limit in the parent sample (CAMU-MW05-GW-09232009).

Cadmium, chromium, lead, and selenium were detected at least once in the years 2009 through 2017. But none of the results were above the corresponding Prediction Limits.

Hexavalent Chromium:

Hexavalent chromium was not required to be tested in sampling years 2009, 2010, and a portion of 2011. Hexavalent chromium was detected in several samples in 2011, 2012, 2013, 2014, 2015, 2016, and 2017. The wells which contained hexavalent chromium above the prediction limit included:

- MW01R (upgradient) (Prediction Limit of 5 ug/l): September 2011
- P01R (upgradient) (Prediction Limit of 10 ug/l): September 2011 (parent sample and field duplicate sample), February 2013, March 2014, August 2014 (parent sample and field duplicate sample), and May 2016
- P06R (upgradient) (Prediction Limit of 10 ug/l): September 2011, March 2012, February 2013, March 2014, and May 2016
- P07 (upgradient) (Prediction Limit of 10 ug/l): February 2013, March 2014, August 2014, and May 2016
- P08 (downgradient) (Prediction Limit of 10 ug/l): February 2013 (parent sample and field duplicate sample), May and November 2016, March 2017
- P09 (downgradient) (Prediction Limit of 10 ug/l): February 2013 (parent sample only), March 2014, May 2016, March 2017

The maximum concentrations of hexavalent chromium were 18 ug/l in samples CAMU-P01R-GW-03032014 and CAMU-P06R-GW-03032014.

4.2.2 Leak Detection System

Summary statistics (minimum, maximum, and mean values) for the CAMU Unit 1 Leak Detection System (for the 2009-2015 monitoring period) are presented in **Appendix D-2** for the CAMU Unit 1 Leak Detection System. The results of the leak detection data screening to MCLs, RSLs, and ESVs are presented below.

4.2.2.1 Comparison to USEPA MCLs

The samples from the leak detection collection system for Unit 1 (LCS-01) were analyzed for VOCs, SVOCs, PCBs, metals, hexavalent chromium, ammonia as N, TDS, and TSS. The results from the testing of the leak detection system from LDS-01 are shown in **Table 3**. Data for the 2016 monitoring period are presented in Table 2 of the *Year 2016 CAMU Use and Operations and*

Maintenance Annual Report (USS, 2018a). Data for the 2017 monitoring period are presented in Table 2 of the *Year 2017 CAMU Use and Operations and Maintenance Annual Report* (USS, 2018b). The following findings are provided from an evaluation of the 2009-2017 data comparison to MCLs:

LDS-01

VOCs:

Benzene was detected above the MCL (5 ug/l) in all samples tested during years 2009 through 2017 The maximum detection of benzene occurred for the sample collected on April 28, 2010. The concentration was 2,600 ug/l.

Other VOCs were detected in LDS-01, but none of the results were above the corresponding MCLs (where available). The compounds detected include 2-butanone, acetone, ethylbenzene, methylene chloride, toluene, m&p-xylenes, o-xylene, and xylenes (total).

SVOCs:

SVOCs, when detected, were present at concentrations below the corresponding MCLs (where available) in the LDS-01 samples. The detected SVOCs include 2,4-dimethylphenol, 2-methylnaphthalene, 2-methylphenol, 2-picoline, 3 & 4 methylphenol, 4-nitrophenol, acenaphthene, acenaphthylene, acetophenone, aniline, anthracene, benzyl alcohol, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, bis(2-ethylhexyl)phthalate, carbazole, chrysene, dibenzofuran, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, phenol, and pyridine.

PCBs:

PCBs were not detected above the method detection limit in the project samples. There are no MCLs for the individual seven aroclors. The MCL for low-risk total PCBs is 0.5 ug/l. No evaluation of this parameter is necessary.

Metals:

The concentrations of metals detected in LDS-01 samples were below the corresponding MCLs (where available). The compounds detected include arsenic, barium, cadmium, chromium, lead, lithium, mercury, and selenium. Silver was not detected in the LDS-01 samples.

Hexavalent Chromium:

Hexavalent chromium was not required to be tested in sampling years 2009, 2010, and 2011 (portion). Hexavalent chromium was detected in several samples in 2012, 2013, 2014, and 2015. (Hexavalent chromium was reported below the method detection limit in LDS-01 samples collected

in 2016 and 2017.) There is no MCL for hexavalent chromium. No evaluation of this parameter is necessary.

Miscellaneous Parameters:

Ammonia as N and TDS were detected in all the LDS-01 samples. TSS was detected in some, but not all LDS-01 samples. Ammonia as N was not required to be collected in years 2009 and 2010. TDS and TSS were not required to be collected in years 2009, 2010, and 2011. There are no MCLs for ammonia as N, TDS, and TSS. No evaluation of these parameters is necessary.

4.2.2.2 Comparison to USEPA RSLs

The results from the testing of the leak detection water from LDS-01 for the 2009-2015 monitoring period are shown in **Table 3**. Data for the 2016 monitoring period are presented in Table 2 of the *Year 2016 CAMU Use and Operations and Maintenance Annual Report* (USS, 2018a). Data for the 2017 monitoring period are presented in Table 2 of the *Year 2017 CAMU Use and Operations and Maintenance Annual Report* (USS, 2018b). The following findings are provided from an evaluation of the 2009-2017 data comparison to RSLs.

VOCs:

Benzene and ethylbenzene were detected above the RSLs in samples from LDS-01. Benzene was detected above the RSL (0.46 ug/l) in all samples tested during years 2009 through 2017. The maximum detection of benzene was reported in the sample collected on April 28, 2010 at a concentration of 2,600 ug/l. Ethylbenzene was detected above the RSL (1.5 ug/l) in many of the samples tested during years 2009 through 2017, with the maximum detection of 8.7 ug/l reported in the sample collected on March 10, 2011.

Other VOCs were detected in LDS-01 but the results were not above the corresponding RSLs, where available. The compounds detected include 2-butanone, acetone, methylene chloride, toluene, m&p-xylene, o-xylene, and total xylenes.

SVOCs:

Several SVOCs were detected above the corresponding RSL in the LDS-01 samples. These included 2-methylnaphthalene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzofuran, and naphthalene. 2-methylnaphthalene was detected above the RSL (36 ug/l) in several samples, with the maximum detection of 120 ug/l reported on June 23, 2009. Dibenzofuran was detected above the RSL (7.9 ug/l) in several samples, with the maximum detection of 93 ug/l reported on June

23, 2009. Naphthalene was detected above the RSL (0.17 ug/l) in several samples, with the maximum detection of 1,000 ug/l reported on June 23, 2009.

Benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene were reported as non-detect in LDS-01 samples collected prior to 2017. Benzo(a)anthracene was detected above the RSL (0.012 ug/l) in the two LDS-01 samples collected in 2017, with the maximum detection of 0.056 ug/l reported on September 11, 2017. Benzo(a)pyrene was detected above the RSL (0.0034 ug/l) in the two LDS-01 samples collected in 2017, with the maximum detection of 0.045ug/l reported on September 11, 2017. Benzo(b)fluoranthene was detected above the RSL (0.034 ug/l) in the LDS-01 sample collected on September 11, 2017 (0.056 ug/l).

Other SVOCs were detected in LDS-01 but the results were not above the corresponding RSLs, when available. The compounds detected 2,4-dimethylphenol, 2-methylphenol, 2-picoline, 3 & 4 methylphenol, 4-nitrophenol, acenaphthene, acenaphthylene, acetophenone, aniline, anthracene, benzo(g,h,i)perylene, benzo(k)fluoranthene, carbazole, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, phenanthrene, phenol, and pyridine.

PCBs:

PCBs were not detected above the method detection limit in the LDS-01 samples. The RSLs for the individual seven aroclors are less than the associated laboratory reporting limits. Because the laboratory reporting limits are greater than the RSLs, no determination can be made regarding the presence or absence of PCBs above the RSL.

Metals:

Several metals were detected above the corresponding RSL in the LDS-01 samples. These included arsenic and lithium. Arsenic was detected above the RSL (0.052 ug/l) in several samples, with the maximum detection of 2.6J ug/l reported on September 17, 2012. Lithium was detected above the RSL (40 ug/l) in several samples, with the maximum detection of 92 ug/l reported on September 12, 2014.

Other metals were detected in LDS-01 but none of the results were above the corresponding RSLs. The compounds detected include barium, cadmium, chromium, lead, mercury, and selenium. Silver was not detected in any of the LDS-01 samples.

Hexavalent Chromium:

Hexavalent chromium was not required to be tested in sampling years 2009, 2010, and 2011 (portion). Hexavalent chromium was detected in one sample in 2012, 2013, 2014, and 2015. (Hexavalent chromium was reported below the method detection limit in LDS-01 samples collected

in 2016 and 2017.) The RSL for hexavalent chromium is 0.035 ug/l. The detected concentration was 11 ug/l on September 14, 2011.

Miscellaneous Parameters:

Ammonia as N and TDS were detected in all the LDS-01samples. TSS was detected in some, but not all of the LDS-01 samples. Ammonia as N was not required to be collected in years 2009 and 2010. TDS and TSS were not required to be collected in years 2009, 2010, and 2011. There are no RSLs for ammonia as N, TDS, and TSS. No evaluation of these parameters is necessary.

4.2.2.3 Comparison to USS Gary Works ESVs

The results from the testing of the leachate from LDS-01 during the 2009-2015 monitoring period are shown in **Table 3**. Data for the 2016 monitoring period are presented in Table 2 of the *Year 2016 CAMU Use and Operations and Maintenance Annual Report* (USS, 2018a). Data for the 2017 monitoring period are presented in Table 2 of the *Year 2017 CAMU Use and Operations and Maintenance Annual Report* (USS, 2018b). The following findings are provided from an evaluation of the 2009-2017 data comparison to ESVs:

VOCs:

Benzene was detected above the ESVs for the samples from LDS-01 for the majority of the years 2009 through 2017. The maximum detection of benzene was reported in the sample collected on April 28, 2010 at a concentration of 2,600 ug/l.

Other VOCs were detected in LDS-01 but none of the results were above the corresponding ESVs, where available. The compounds detected include 2-butanone, acetone, ethylbenzene, m&p-xylene, o-xylene, toluene, and total xylenes.

SVOCs:

Several SVOCs were detected above the corresponding ESVs in the LDS-01 samples. These included 2,4-dimethylphenol, acenaphthene, anthracene, benzo(a)anthracene, benzo(a)pyrene, dibenzofuran, fluorene, naphthalene, and phenanthrene. 2,4-Dimethylphenol was detected above the ESV (21 ug/l) in several samples, with the maximum detection of 160 ug/l reported on March 14, 2012. Acenaphthene was detected above the ESV (27 ug/l) in several samples, with the maximum detection of 180 ug/l on June 23, 2009. Anthracene was detected above the ESV (0.68 ug/l) in several samples, with the maximum detection of 1.8 ug/l on September 12, 2013. Dibenzofuran was detected above the ESV (7.3 ug/l) at 93 ug/l on June 23, 2009. Fluorene was detected above the ESV (2.4 ug/l) for several samples. The maximum concentration was 61 ug/l and was reported on June

23, 2009. Naphthalene was detected above the ESV (26 ug/l) in several samples, with the maximum detection of 1,000 ug/l reported on June 23, 2009. Phenanthrene was detected above the ESV (0.93 ug/l), with the maximum concentration at 24 ug/l on June 23, 2009.

Benzo(a)anthracene and benzo(a)pyrene were reported as non-detect in LDS-01 samples collected prior to 2017. Benzo(a)anthracene was detected above the ESV (0.025 ug/l) in the LDS-01 sample collected on September 11, 2017 (0.056 ug/l). Benzo(a)pyrene was detected above the ESV (0.014 ug/l) in the two LDS-01 samples collected in 2017 collected in 2017, with the maximum detection of 0.045ug/l reported on September 11, 2017.

Other SVOCs were detected in LDS-01 but none of the results were above the corresponding ESVs, where available. The compounds detected include 2-methylnaphthalene, 2-methylphenol, 2-picoline, 3 & 4 methylphenol, 4-nitrophenol, acenaphthylene, acetophenone, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, carbazole, chrysene, fluoranthene, indeno(1,2,3-cd)pyrene, phenol, and pyrene.

PCBs:

PCBs were not detected above the method detection limit in the LDS-01 project samples. The ESVs for the individual seven aroclors are less than the associated laboratory reporting limits. Because the laboratory greater than the ESVs, no determination can be made regarding the presence or absence of PCBs above the associated ESV.

Metals:

Barium and lithium were detected above the corresponding ESV in the LDS-01 samples. Barium was detected above the ESV (438 ug/l) in several samples, with a maximum detection of 630 ug/l on March 10, 2011. Lithium was detected above the ESV (14 ug/l) in several samples with the maximum detection of 92 ug/l reported on September 12, 2014.

Other metals were detected in LDS-01 but none of the results were above the corresponding ESVs. The compounds detected include arsenic, cadmium, chromium, lead, mercury, and selenium. Silver was not detected in any of the LDS-01 samples.

Hexavalent Chromium:

Hexavalent chromium was not required to be tested in sampling years 2009, 2010, and 2011 (portion). Hexavalent chromium was detected in most samples in 2012, 2013, 2014, and 2015. (Hexavalent chromium was reported below the method detection limit in LDS-01 samples collected in 2016 and 2017.) The ESV for hexavalent chromium is 11 ug/l. Most concentrations were above the ESV. The maximum concentration detected in LDS-01 was 14J ug/l on September 14, 2011.

Miscellaneous Parameters:

Ammonia as N was detected above the ESV for nearly all samples for LDS-01. The maximum concentration was 22,000 ug/l which is above the ESV of 150 ug/l. Ammonia as N was not required to be collected in years 2009 and 2010. TDS was detected in all the LDS-01 samples. TSS was detected in some, but not all, of the LDS-01 samples. There are no ESVs for TDS and TSS. No evaluation of these parameters is necessary.

4.2.3 Leachate Collection System

Summary statistics (minimum, maximum, and mean values) for CAMU groundwater are presented in Appendices C-3 for the CAMU Unit 1 Leachate Collection System. The results of the groundwater data screening to MCLs, RSLs, and ESVs are presented below.

4.2.3.1 Comparison to USEPA MCLs

The samples from the leachate collection system for Unit 1 (LCS-01) were analyzed for VOCs, SVOCs, PCBs, metals, hexavalent chromium, ammonia as N, TDS, and TSS. The results are shown in **Table 4**. Data for the 2016 monitoring period are presented in Table 2 of the *Year 2016 CAMU Use and Operations and Maintenance Annual Report* (USS, 2018a). Data for the 2017 monitoring period are presented in Table 2 of the *Year 2017 CAMU Use and Operations and Maintenance Annual Report* (USS, 2018b). The following findings are provided from an evaluation of the comparison to MCLs and apply to the period from 2009 through 2017:

VOCs:

Benzene was detected above the MCL (5 ug/l) in all samples tested during years 2009 through 2017. The maximum detection of benzene occurred for the sample collected on June 4, 2014. The concentration was 3,900 ug/l. Methylene chloride was detected above the MCL (5 ug/l) in the LCS-01 sample collected on November 7, 2017.

Other VOCs were detected in LCS-01 but none of the results were above the corresponding MCLs, where available. The compounds detected include acetone, 2-butanone, 4-methyl-2-pentanone, carbon disulfide, chloroform, ethylbenzene, m&p-xylene, o-xylene, toluene, styrene, tetrachloroethene, and total xylenes.

SVOCs:

SVOCs were detected in LCS-01 but none of the results were above the corresponding MCLs, where available. The compounds detected include 2,4-dimethylphenol, 2,6-dinitrotoluene, 2-

chloronaphthalene, 2-methylnaphthalene, 2-methylphenol, 2-picoline, 3 & 4 methylphenol, 4-nitrophenol, acenaphthene, acenaphthylene, acetophenone, aniline, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, benzyl alcohol, bis(2-chloroethoxy)methane, bis(2-chloroethyl)ether, carbazole, chrysene, dibenz(a,h)anthracene, dibenzofuran, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, o-toluidine, phenanthrene, phenol, pyrene, and pyridine.

PCBs:

With the exception of Aroclor-1242 and Aroclor-1260, PCBs were not detected above the method detection limit in the project samples. Aroclor-1242 was detected in several samples in 2016 and 2017, with the maximum detection of 0.23 ug/l reported on November 10, 2017. Aroclor-1260 was detected once in the sample collected on August 7, 2014 at a concentration of 1.4J ug/l. There are no MCLs for the individual seven aroclors. The MCL for low-risk total PCBs is 0.5 ug/l. The sample result from August 7, 2014 (1.4J ug/l) was above the low-risk MCL.

Metals:

The concentrations of metals detected in LCS-01 samples were below the corresponding MCLs (where available). The compounds detected include arsenic, barium, cadmium, chromium, lead, lithium, mercury, and selenium. Silver was not detected in any of the LCS-01 samples.

Hexavalent Chromium:

Hexavalent chromium was not required to be tested in sampling years 2009, 2010, and 2011 (portion). Hexavalent chromium was detected in several samples in 2012, 2013, 2014, 2015, and 2016. (Hexavalent chromium was reported below the method detection limit in LCS-01 samples collected in 2017.) There is no MCL for hexavalent chromium. No evaluation of this parameter is necessary.

Miscellaneous Parameters:

Ammonia as N and TDS were detected in all the LCS-01 samples. TSS was detected in some, but not all, of the LCS-01 samples. Ammonia as N was not required to be collected in years 2009 and 2010. TDS and TSS were not required to be collected in years 2009, 2010, and 2011. There are no MCLs for ammonia as N, TDS, and TSS. No evaluation of these parameters is necessary.

4.2.3.2 Comparison to USEPA RSLs

The results from the testing of the leachate from LCS-01 are shown in **Table 4**. Data for the 2016 monitoring period are presented in Table 3 of the *Year 2016 CAMU Use and Operations and*

Maintenance Annual Report (USS, 2018a). Data for the 2017 monitoring period are presented in Table 2 of the *Year 2017 CAMU Use and Operations and Maintenance Annual Report* (USS, 2018b). The following findings are provided from an evaluation of the comparison to RSLs and apply to the period from 2009 through 2017:

VOCs:

Benzene, chloroform, and ethylbenzene were detected above the RSLs for the samples from LCS-01. Benzene was detected above the RSL (0.46 ug/l) in all samples tested during years 2009 through 2017. The maximum detection of benzene was reported in the sample collected on June 4, 2014 at a concentration of 3,900 ug/l. Chloroform was detected above the RSL (0.22 ug/l) in two samples collected in 2017, with the maximum detected concentration of 11 ug/l reported in the sample collected on June 13, 2017. Ethylbenzene was detected above the RSL (1.5 ug/l) in several samples, with the maximum detected concentration of 31 ug/l reported in the sample collected on July 12, 2017.

Other VOCs were detected in LCS-01 but none of the results were above the corresponding RSLs, where available. The compounds detected include acetone, 2-butanone, carbon disulfide, methylene chloride, m&p-xylenes, o-xylene, toluene, styrene, tetrachloroethene, and total xylenes.

SVOCs:

Several SVOCs were detected above the corresponding RSL in the LCS-01 samples. These included 2-methylnaphthalene, acenaphthene, bis(2-chloroethyl)ether, dibenzofuran, 1,4-dichlorobenzene, indeno(1,2,3-cd)pyrene, and naphthalene. 2-Methylnaphthalene was detected above the RSL (36 ug/l) in several samples with the maximum detection of 190 ug/l reported on August 4, 2016 and August 9, 2017. Acenaphthene was detected above the RSL (400 ug/l) in several samples, with the maximum detection of 460 ug/l reported on August 4, 2016. Bis(2-chloroethyl)ether was detected above the RSL (0.014 ug/l) in several samples, with the maximum detection of 26 ug/l reported on January 11, 2017. Dibenzofuran was detected above the RSL (7.9 ug/l) in several samples, with the maximum detection of 190 ug/l reported on October 15, 2012. 1,4-Dichlorobenzene was detected above the RSL (0.42 ug/l) in one sample collected on April 9, 2013 at a concentration of 1.2J ug/l. Indeno(1,2,3-cd)pyrene was detected above the RSL (0.034 ug/l) for several samples with the maximum concentration of 2.4J ug/l was reported on October 13, 2011. Naphthalene was detected above the RSL (0.17 ug/l) in several samples with the maximum detection of 3,200 ug/l reported on September 12, 2014.

Benzo(a)anthracene and benzo(a)pyrene were reported as non-detect in LCS-01 samples collected prior to 2016. Benzo(a)anthracene was detected above the RSL (0.012 ug/l) in several samples with

the maximum detected concentration of 0.16 ug/l reported on November 10, 2016. Benzo(a)pyrene was detected above the RSL (0.0034 ug/l) in several samples, with the maximum detection of 0.064 ug/l reported on July 14, 2016.

Other SVOCs were detected in LCS-01 but none of the results were above the corresponding RSLs when available. The compounds detected include 2,4-dimethylphenol, 2,6-dinitrotoluene, 2-chloronaphthalene, 2-methylphenol, 2-picoline, 3 & 4 methylphenol, 4-nitrophenol, acenaphthylene, acetophenone, aniline, benzyl alcohol, bis(2-chloroethoxy)methane, carbazole, fluoranthene, fluorene, o-toluidine, phenanthrene, phenol, pyrene, and pyridine.

PCBs:

With the exception of Aroclor-1242 and Aroclor-1260, PCBs were not detected above the method detection limit in the project samples. Aroclor-1242 was detected above the RSL (0.0078 ug/l) in several samples with the maximum detection of 0.23 ug/l reported on November 10, 2017. Aroclor-1260 was reported at a concentration of 1.4 J ug/l in the sample collected on August 7, 2014. The detected concentration was greater than the RSL (0.0078 ug/l) for Aroclor-1260. The RSLs for the remaining individual aroclors are less than the associated laboratory reporting limits. Because the laboratory reporting limits are greater than the RSLs, no determination can be made regarding the presence or absence of PCBs above the associated RSL for Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1248, and Aroclor-1254.

Metals:

Several metals were detected above the corresponding RSL in the LCS-01 samples. These included arsenic and lithium. Arsenic was detected above the RSL (0.052 ug/l) in several samples, with the maximum detection of 3.1 ug/l reported on October 15, 2012. Lithium was detected above the RSL (40 ug/l) in several samples, with the maximum detection of 82 ug/l reported on February 26, 2014.

Other metals were detected in LCS-01 but none of the results were above the corresponding RSLs. The compounds detected include barium, cadmium, chromium, lead, mercury, and selenium. Silver was not detected in any of the LCS-01 samples.

Hexavalent Chromium:

Hexavalent chromium was not required to be tested in sampling years 2009, 2010, and 2011 (portion). Hexavalent chromium was detected in most samples in 2012, 2013, 2014, 2015, and 2016. (Hexavalent chromium was reported below the method detection limit in LCS-01 samples collected in 2017.) The RSL for hexavalent chromium is 0.035 ug/l. Most concentrations were above the RSL. The maximum concentration detected in LCS-01 was 140J ug/l on August 7, 2014.

Miscellaneous Parameters:

Ammonia as N and TDS were detected in all the LCS-01 samples. TSS was detected in some, but not all, LCS-01 samples. Ammonia as N was not required to be collected in years 2009 and 2010. TDS and TSS were not required to be collected in years 2009, 2010, and 2011. There are no RSLs for ammonia as N, TDS, and TSS. No evaluation of these parameters is necessary.

4.2.3.3 Comparison to USS Gary Works ESVs

The results from the testing of the leachate from LCS-01 are shown in **Table 4**. Data for the 2016 monitoring period are presented in Table 2 of the *Year 2016 CAMU Use and Operations and Maintenance Annual Report* (USS, 2018a). Data for the 2017 monitoring period are presented in Table 2 of the *Year 2017 CAMU Use and Operations and Maintenance Annual Report* (USS, 2018b). The following findings are provided from an evaluation of the comparison to ESVs and apply to the period from 2009 through 2017:

VOCs:

Benzene, carbon disulfide, and total xylenes were detected above the ESVs for the samples from LCS-01. Benzene was detected above the ESV (98 ug/l) in all samples tested during years 2009 through 2017. The maximum detection of benzene occurred for the sample collected on June 4, 2014 and the concentration was 3,900 ug/l. Carbon disulfide was detected above the ESV (15 ug/l) in the LCS-01 sample collected on October 6, 2016 (25 ug/l). Total xylenes were detected above the ESV (35 ug/l) in several samples, with the maximum detection of 68 ug/l reported in the sample collected on July 12, 2017.

Other VOCs were detected in LCS-01 but none of the results were above the corresponding ESVs, where available. The compounds detected include 2-butanone, acetone, chloroform, ethylbenzene, methylene chloride, m&p-xylene, o-xylene, styrene, tetrachloroethene, and toluene.

SVOCs:

Several SVOCs were detected above the corresponding ESVs in the LCS-01 samples. These included 2,4-dimethylphenol, 3&4-methylphenol, acenaphthene, aniline, anthracene, benzo(a)anthracene, benzo(a)pyrene, dibenzofuran, fluoranthene, fluorene, naphthalene, phenanthrene, phenol, and pyrene. 2,4-dimethylphenol was detected above the ESV (21 ug/l) in several samples, with the maximum detection of 290 ug/l reported on September 3, 2009. 3&4-methylphenol was detected above the ESV for 3-methylphenol (53 ug/l) in several samples, with the maximum detection of 59 ug/l reported on June 13, 2017. Acenaphthene was detected above the ESV (27 ug/l) in several

samples, with the maximum detection of 460 ug/l reported on August 4, 2016. Aniline was detected above the ESV (4.1 ug/l) in several samples, with the maximum detection of 5.4 ug/l reported on April 21, 2016. Anthracene was detected above the ESV (0.68 ug/l) in several samples, with the maximum detection of 10 ug/l reported on May 10, 2017.. Dibenzofuran was detected above the ESV (7.3 ug/l) at a concentration of 190 ug/l on October 15, 2012. Fluoranthene was detected above the ESV (3.6 ug/l) in several samples, with the maximum concentration of 6.7 ug/l reported on November 10, 2016. Fluorene was detected above the ESV (2.4 ug/l) in several samples, with the maximum concentration of 150 ug/l reported on October 15, 2012 and August 4, 2016. Naphthalene was detected above the ESV (26 ug/l) in several samples, with the maximum detection of 3,200 ug/l reported on September 12, 2014. Phenanthrene was detected above the ESV (0.93 ug/l) in several samples, with the maximum concentration of 53 ug/l reported on August 4, 2016. Phenol was detected above the ESV (180 ug/l), in several samples with the maximum concentration of 340 ug/l reported on September 3, 2009. Pyrene was detected above the ESV (0.3 ug/l) in several samples, with the maximum concentration at 3.6 ug/l reported on November 10, 2016.

Benzo(a)anthracene and benzo(a)pyrene were reported as non-detect in LCS-01 samples collected prior to 2016. Benzo(a)anthracene was detected above the ESV (0.025 ug/l) in several samples with the maximum detected concentration of 0.16 ug/l reported on November 10, 2016. Benzo(a)pyrene was detected above the ESV (0.014 ug/l) in several samples, with the maximum detection of 0.064 ug/l reported on July 14, 2016.

Other SVOCs were detected in LCS-01, but none of the results were above the corresponding ESVs (where available). The compounds detected include 1,4-dichlorobenzene, 2,6-dinitrotoluene, 2-chloronaphthalene, 2-methylnaphthalene, 2-methylphenol, 2-picoline, 4-nitrophenol, acenaphthylene, acetophenone, benzyl alcohol, bis(2-chloroethyl)ether, bis(2-chloroethoxy)methane, bis(2-chloroethyl)ether, carbazole, indeno(1,2,3-cd)pyrene, o-toluidine, and pyridine.

PCBs:

With the exception of Aroclor-1260, PCBs were not detected above the method detection limit in the project samples. Aroclor-1260 was reported at a concentration of 1.4 J ug/l in the sample collected on August 7, 2014. The detected concentration was less than the ESV (94 ug/l) for Aroclor-1260. The ESVs for the remaining individual aroclors are less than the associated laboratory reporting limits. Because the laboratory reporting limits are greater than the ESVs, no determination can be made regarding the presence or absence of PCBs above the associated ESV for Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, and Aroclor-1254.

Metals:

Barium, lead, and lithium were detected above the corresponding ESV in the LCS-01 samples. Barium was detected above the ESV (438 ug/l) in several samples, with a maximum detection of 790 ug/l reported on October 15, 2010. Lead was detected above the ESV (0.052 ug/l) in several samples, with the maximum detection of 14 ug/l reported on April 11, 2012. Lithium was detected above the ESV (14 ug/l) in several samples with the maximum detection of 82 ug/l reported on February 26, 2014.

Other metals were detected in LCS-01 but none of the results were above the corresponding ESVs. The compounds detected include arsenic, cadmium, chromium, mercury, and selenium. Silver was not detected in any of the LCS-01 samples.

Hexavalent Chromium:

Hexavalent chromium was not required to be tested in sampling years 2009, 2010, and 2011 (portion). Hexavalent chromium was detected in most samples in 2012, 2013, 2014, and 2015. (Hexavalent chromium was reported below the method detection limit in LCS-01 samples collected in 2017.) The ESV for hexavalent chromium is 11 ug/l. Most concentrations were above the ESV. The maximum concentration detected in LCS-01 was 140J ug/l and was reported on August 7, 2014.

Miscellaneous Parameters:

Ammonia as N was detected above the ESV (150 ug/l) for nearly all samples for LCS-01. The maximum concentration of 23,000 ug/l was reported in the sample collected on October 13, 2011. Ammonia as N was not required to be collected in years 2009 and 2010. TDS, and TSS also were detected in all the LCS-01 samples. There are no ESVs for TDS and TSS. No evaluation of these parameters is necessary.

4.2.4 Air

The air monitoring daily spreadsheets, with comparisons to the Notification Levels and Action Levels, are presented in **Appendix E-1**. The PM_{10} daily spreadsheets, with comparisons to the Notification Levels and Action Levels, are presented in **Appendix E-2**.

4.2.4.1 BTEX and Naphthalene

Summary statistics (minimum, maximum, and mean values) for CAMU air samples collected between 2012 and 2015 are presented in **Appendix C-4**. Summary statistics for CAMU air samples collected in 2016 are presented in the *Year 2016 CAMU Use and Operations and Maintenance*

Annual Report (USS, 2018a). Summary statistics for CAMU air samples collected in 2017 are presented in the *Year 2017 CAMU Use and Operations and Maintenance Annual Report* (USS, 2018b). The results of the air monitoring data comparison to the Notification Levels and Action Levels are presented below.

On-site Air Monitoring

BTEX:

Detected concentrations of BTEX in air samples did not exceed their respective notification levels in 2012, 2013, 2014, 2015, 2016, and 2017.

Naphthalene:

The concentration of naphthalene (10.13 ug/m^3) detected in the air sample collected from CAMU Air Monitoring Station 1 on July 5-6, 2012 exceeded the notification level of 4 ug/m^3.

The concentration of naphthalene (6.93 ug/m^3) detected in the air sample collected from CAMU Air Monitoring Station 1 on July 19-20, 2012 exceeded the notification level of 4 ug/m^3.

The reporting limit for naphthalene (6.66 ug/m^3) for the air sample collected from CAMU Air Monitoring Station 2/3 on August 14-15, 2012 exceeded the notification level of 4 ug/m^3.

Detected concentrations of naphthalene in air samples did not exceed their respective notification levels during 2013 air monitoring events. However, the reporting limit for naphthalene (10.66 ug/m^3) for the air sample collected from CAMU Air Monitoring Station 1 on August 15-16, 2013 exceeded the notification level of 4 ug/m^3.

The concentration of naphthalene (8.0 ug/m^3) detected in the air sample collected from CAMU Air Monitoring Station 1 on June 15-16, 2016 exceeded the notification level of 4 ug/m^3.

Residential Air Monitoring

BTEX:

Detected concentrations of BTEX in residential air samples did not exceed their respective notification levels in 2012, 2013, 2014, 2015, 2016, and 2017.

Naphthalene:

The concentration of naphthalene (4.5 ug/m^3) for the air sample collected from Ellsworth Street and 1st Avenue station during the 24-hour period between April 30 and May 1, 2014 exceeded the notification level of 4 ug/m^3. The concentration of naphthalene (9.0 ug/m^3) for the air sample

collected from Ellsworth Street and 1st Avenue station during the 24-hour period between August 31 and September 1, 2014 exceeded the notification level of 4 ug/m^3.

4.2.4.2 PM_{10}

The average concentrations for CAMU PM_{10} samples are presented in **Appendix C-4** for the 2012-2015 monitoring period. The CAMU PM_{10} samples for the 2016 monitoring period are presented in Appendix F-3 of the *Year 2016 CAMU Use and Operations and Maintenance Annual Report* (USS, 2018a). The CAMU PM_{10} samples for the 2017 monitoring period are presented in Appendix F-3 of the *Year 2017 CAMU Use and Operations and Maintenance Annual Report* (USS, 2018b). The results of the PM_{10} data comparison to the Notification Levels (50 ug/m^3) and Action Levels (150 ug/m^3) are presented below.

2012 PM_{10} Sampling:

Exceedance Date	PM_{10} Concentration (ug/m^3)			Waste Placement?
	PM_{10} Unit 1	**PM_{10} Unit 2**	**PM_{10} Unit 3**	
January 20, 2012	**50.11**	36.42	Off-Line	No
February 11, 2012	**66.50**	38.10	34.41	No
March 13, 2012	**60.16**	**55.39**	**57.78**	Yes – CAMU Unit 1
March 16, 2012	**64.88**	**56.49**	**58.22**	Yes – CAMU Unit 1
April 8, 2012	**51.18**	27.84	35.32	No
April 9, 2012	**113.01**	**62.35**	**66.81**	Yes – CAMU Unit 1
May 14, 2012	47.77	**50.81**	46.72	No
May 26, 2012	**60.94**	**64.09**	**60.88**	No
July 5, 2012	**63.38**	**61.06**	**63.87**	No
July 6, 2012	**66.37**	**57.22**	**62.44**	No
August 3, 2012	**59.64**	**54.86**	**55.01**	No
October 30, 2012	**119.10**	36.92	**77.99**	No

Notes:
ug/m^3 = micrograms per cubic meter
Bold = exceedance of the Notification Level of 50 ug/m^3
PM_{10} Unit 1 is located at the CAMU Unit 1 west berm

PM_{10} Unit 2 is located at the CAMU Unit 2 east berm
PM_{10} Unit 3 is a mobile unit currently located at the south berm of CAMU Unit 2

2013 PM_{10} Sampling:

Exceedance Date	PM_{10} Concentration (ug/m^3)			Waste Placement?
	PM_{10} Unit 1	PM_{10} Unit 2	PM_{10} Unit 3	
March 29, 2013	**57.92**	50.00	**57.77**	No
May 7, 2013	**56.25**	42.47	45.88	No
May 8, 2013	**94.40**	**78.77**	**82.94**	No
May 9, 2013	**55.78**	46.98	**51.00**	No
May 13, 2013	49.77	44.50	**54.24**	No
May 14, 2013	**61.18**	**53.06**	**65.59**	No
May 15, 2013	**72.36**	**59.20**	**68.70**	No
May 16, 2013	**81.74**	**69.10**	**82.27**	No
May 18, 2013	49.81	46.46	**57.88**	No
June 19, 2013	47.60	**61.40**	--	No
June 20, 2013	**55.35**	**52.26**	--	No
July 5, 2013	**57.22**	**55.21**	--	No
July 15, 2013	**51.02**	**53.50**	--	No
August 30, 2013	**57.79**	48.57	--	No

Notes:
ug/m^3 = micrograms per cubic meter
Bold = exceedance of the Notification Level of 50 ug/m^3
- = No data; PM_{10} Unit 3 was down for maintenance
PM_{10} Unit 1 is located at the CAMU Unit 1 west berm
PM_{10} Unit 2 is located at the CAMU Unit 2 east berm
PM_{10} Unit 3 is a mobile unit currently located at the south berm of CAMU Unit 2

2014 PM_{10} Sampling:

Exceedance Date	PM_{10} Concentration (ug/m^3)			Waste Placement?
	PM_{10} Unit 1	PM_{10} Unit 2	PM_{10} Unit 3	
February 13, 2014	Down for maintenance	**54.14**	**56.29**	No
February 27, 2014	**55.03**	**57.17**	**51.83**	No
May 25, 2014	**56.99**	**56.40**	**73.08**	No
May 31, 2014	**62.68**	**68.31**	**78.11**	No
June 17, 2014	**67.20**	**54.20**	**82.07**	No
July 7, 2014	29.91	**66.46**	29.65	No
July 20, 2014	47.70	41.91	**50.05**	No
November 6, 2014	**74.83**	**57.56**	32.34	No

Notes:
ug/m^3 = micrograms per cubic meter
Bold = exceedance of the Notification Level of 50 ug/m^3
Unit 1 is located at the CAMU Unit 1 west berm
PM_{10} Unit 2 is located at the CAMU Unit 2 east berm
PM_{10} Unit 3 is a mobile unit currently located at the south berm of CAMU Unit 2

2015 PM_{10} Sampling:

Exceedance Date	PM_{10} Concentration (ug/m^3)			Waste Placement?
	PM_{10} Unit 1	PM_{10} Unit 2	PM_{10} Unit 3	
February 12, 2015	**59.3**	36.72	30.71	No
February 14, 2015*	**197.82**	**124.68**	**103.13**	No
April 18, 2015	**64.53**	**54.96**	**50.02**	No
June 11, 2015*	**60.93**	48.05	42.28	No
July 4, 2015	**86.11**	**66.88**	**85.13**	No
July 5, 2015	**82.35**	**89.31**	**78.82**	No
July 31, 2015	**53.77**	27.99	29.34	No

Exceedance Date	PM_{10} Concentration (ug/m^3)			Waste Placement?
	PM_{10} Unit 1	PM_{10} Unit 2	PM_{10} Unit 3	
August 31, 2015	**60.51**	**56.97**	**50.28**	No
October 19, 2015	26.58	30.53	**51.53**	No

Notes:
ug/m^3 = micrograms per cubic meter
Bold = exceedance of the Action Level of 150 ug/m^3 and/or the Notification Level of 50 ug/m^3
* PM_{10} values above 150 ug/m3 observed at the IDEM PM_{10} monitor in Gary, Indiana on this day.
PM_{10} Unit 1 is located at the CAMU Unit 1 west berm
PM_{10} Unit 2 is located at the CAMU Unit 2 east berm
PM_{10} Unit 3 is a mobile unit currently located at the south berm of CAMU Unit 2

2016 PM_{10} Sampling:

Exceedance Date	PM_{10} Concentration (ug/m^3)			Waste Placement?
	PM_{10} Unit 1	PM_{10} Unit 2	PM_{10} Unit 3	
February 12, 2016*	**81.54**	**50.00**	**53.97**	No
April 16, 2016	**58.30**	46.96	44.27	No
April 17, 2017	**79.79**	**57.11**	**52.86**	No
April 18, 2016	**127.00**	**94.19**	**90.69**	No
May 7, 2016	**53.62**	18.29	33.38	No

Notes:
ug/m^3 = micrograms per cubic meter
*PM_{10} values above 150 ug/m3 observed at the IDEM PM_{10} monitor in Gary, Indiana on February 12, 2016.
Bold = notification level (50 ug/m^3) exceeded
PM_{10} Unit 1 is located at the CAMU Unit 1 west berm
PM_{10} Unit 2 is located at the CAMU Unit 2 east berm
PM_{10} Unit 3 is a mobile unit currently located at the south berm of CAMU Unit 2

Exceedance Date	PM_{10} Concentration (ug/m^3)			Waste Placement?
	PM_{10} Unit 1	PM_{10} Unit 2	PM_{10} Unit 3	
January 15, 2017	24.14	**50.00**	Down for maintenance	No

Exceedance Date	PM_{10} Concentration (ug/m^3)			Waste Placement?
	PM_{10} Unit 1	**PM_{10} Unit 2**	**PM_{10} Unit 3**	
February 19, 2017	**94.15**	**110.05**	**89.09**	No
March 8, 2017	**106.31**	**50.44**	40.97	Yes – Purge Water
April 26, 2017	**61.76**	23.97	30.86	No
May 17, 2017	**69.94**	**51.34**	**53.63**	No
May 28, 2017	36.58	**62.56**	26.03	No
December 5, 2017	**57.10**	27.97	11.70	Yes – Purge Water

Notes:
ug/m^3 = micrograms per cubic meter
Bold = notification level (50 ug/m^3) exceeded
PM_{10} Unit 1 is located at the CAMU Unit 1 west berm
PM_{10} Unit 2 is located at the CAMU Unit 2 east berm
PM_{10} Unit 3 is a mobile unit currently located at the south berm of CAMU Unit 2
USEPA was appropriately notified for each of the above exceedances.

5.0 CONCLUSIONS

The CAMU provides containment, passive dewatering and permanent disposal of RCRA Corrective Action wastes. The CAMU has been in operation since December 2002, when the landfill began receiving sediments from the GCR dredging project. Subsequently, USEPA approved placement of Corrective Action waste in the CAMU.

Groundwater, leak detection, leachate, and air monitoring programs have been in place at the CAMU since landfill operations began. Annual evaluations of groundwater quality are presented the CAMU Annual Report for each operating year. As part of the groundwater quality evaluation, chemicals detected in leak detection and leachate collection system samples are compared to chemicals that were also detected in groundwater samples. Summary tables of the comparisons between commonly detected chemicals in groundwater samples, Unit 1 leak detection samples, and Unit 1 leachate samples during the 2009-2017 sampling period are presented below:

Detected Parameter	2009 CAMU 1 Leak Detection		2009 CAMU 1 Leachate		April 2009 Groundwater		Sept 2009 Groundwater	
	Min	Max	Min	Max	Min	Max	Min	Max
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
3&4-Methylphenol	72	82	170	240	15	15	2 U	2.2 UJ
Benzene	1.3	1300	1000	1900	2.4	2.4	1 U	1 U
Naphthalene	590	1000	580	670	1.4	1.4	1 U	1.1 UJ
Phenol	76	90	220	340	39	39	5 U	5.4 UJ
Toluene	5.2	20	4	4.5	1.1	2.4	1 U	1 U

Detected Parameter	2010 CAMU 1 Leak Detection		2010 CAMU 1 Leachate		March 2010 Groundwater		August 2010 Groundwater	
	Min	Max	Min	Max	Min	Max	Min	Max
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Barium, total	NA	NA	580	790	22	200	21	330
Naphthalene	310	730	610	1300	0.93 U	1 U	1.2	2.3

Detected Parameter	2011 CAMU 1 Leak Detection		2011 CAMU 1 Leachate		March 2011 Groundwater		Sept 2011 Groundwater	
	Min	Max	Min	Max	Min	Max	Min	Max
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Acetone	10 UJ	71 UJ	45	45	5 U	5 U	71	71
Anthracene	5 U	5.3 U	1.6	1.6	1 U	1.1 U	1.5	1.5
Naphthalene	800	990	690	1800	1 U	1.1 U	1.4	1.4
Toluene	19	21	6.7	34	0.69	0.69	0.5 U	0.5 U
Arsenic, total	2 UJ	30 U	2	2.5	36	52	3.5	73
Barium, total	530	630	250	770	20	320	17	340
Benzene, total	470	1800	870	2900	20	320	17	340
Lead, total	1.1 J	1.1 J	0.62	0.81	50 U	50 U	5.1	23
Lithium, total	38	42	30	44	27	100	16	17
Selenium, total	1 UJ	20 U	1.0	1.9	20 U	20 U	1.1	5.1

Detected Parameter	2012 CAMU 1 Leak Detection		2012 CAMU 1 Leachate		March 2012 Groundwater		Sept 2012 Groundwater	
	Min	Max	Min	Max	Min	Max	Min	Max
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Arsenic	2.6 J	2.6 J	2.2 J	3.1 J	2.3	79	3.2	55 J
Barium, total	430 J	430 J	250	760	16	360	19	330
Hexavalent chromium, total	10 U	10 U	14	30	10 U	10 U	10	10
Lead, total	0.76 J	0.76 J	0.96 J	14 J	0.83	2.1	5.7	5.7
Lithium, total	38	61 J	37 J	56 J	18	18	21	21
Selenium, total	1.5 J	1.5 J	1.1 J	2.4 J	1.2	2.9	1.8 J	1.8 J

Detected Parameter	2013 CAMU 1 Leak Detection		2013 CAMU 1 Leachate		February 2013 Groundwater		August 2013 Groundwater	
	Min	Max	Min	Max	Min	Max	Min	Max
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Arsenic, total	4 U	10 U	2	3.1	2.3	89	13	54
Barium, total	310	430	57	420	20 J	340	21	320
Hexavalent chromium, total	10 U	10 U	11 J	51 J	11	17	10 U	10 U
Lead, total	1.4	1.4	1.2	1.2	0.52	0.65	5 U	5 U
Lithium, total	61	75	19	78	23	23	10	33

Detected Parameter	2013 CAMU 1 Leak Detection		2013 CAMU 1 Leachate		February 2013 Groundwater		August 2013 Groundwater	
	Min	Max	Min	Max	Min	Max	Min	Max
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Selenium, total	1.8	1.8	1.1	1.5	8.9	8.9	10 U	10 U

Detected Parameter	2014 CAMU 1 Leak Detection		2014 CAMU 1 Leachate		March 2014 Groundwater		August 2014 Groundwater	
	Min	Max	Min	Max	Min	Max	Min	Max
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Benzene	130 J	730 J	1700	3900	4.5	4.5	0.5 U	0.5 U
Barium, total	300	410	210	370	20 J	340	29	310
Hexavalent chromium, total	10 UJ	10 UJ	12 J	140 J	12	18	10 J	14 J
Hexavalent chromium, dissolved	NR	NR	10 J	39 J	15	15	10 U	10 U
Lithium, total	71	92	60	82	12	76	12	36

Detected Parameter	2015 CAMU 1 Leak Detection		2015 CAMU 1 Leachate		May 2015 Groundwater	
	Min	Max	Min	Max	Min	Max
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
2-Methylnaphthalene	3.2 J	44	75 J	140	0.22 J	0.22 J
4-Nitrophenol	2 J	2 J	5 U	15 U	1.3 J	1.3 J
Anthracene	0.82 J	2.2 J	3.1 J	6.2	0.12 J	1.3 J
Arsenic, total	0.7 J	0.7 J	0.76 J	1.1 J	2.4 J	65
Barium, total	180	270	200	470	20	270
Benzene, total	19 J	650 J	5.5	2000	0.57 J	0.57 J
Cadmium, total	0.06 J	0.06 J	0.03 J	0.07 J	0.1 J	0.32 J
Chromium, total	1.4 J	2.7 J	0.16 J	0.45 J	0.12 J	0.99 J
Lead, total	1.1 J	1.3 J	0.13 J	0.19 J	0.17 J	4.2 J
Lithium, total	50	60	46	73	2.9 J	37
Selenium, total	5 U	5 U	1.4	1.4	1.1 J	3.3 J

Detected Parameter	2016 CAMU 1 Leak Detection		2016 CAMU 1 Leachate		2016 Groundwater (All Events)	
	Min	Max	Min	Max	Min	Max
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Aroclor-1248	0.2 U	0.2 U	0.2 U	0.22 U	0.12 J	0.12 J
Acetone	41 J	42 J	35 J	54 J	12	12
Benzene	15 J	99 J	480	2400	0.3 J	0.3 J
Arsenic, total	0.63 J	1.1 J	0.91 J	1.2 J	1 J	71
Barium, total	180	230	62	370	21	280
Cadmium, total	2 U	2 U	0.13 J	0.13 J	0.052 J	0.13 J
Chromium, total	2.9	3.4 J	0.83 J	1.2 J	0.9 J	0.9 J
Hexavalent chromium, total	5 U	5 U	2.3 J	3.7 J	2.5 J	15
Lead, total	0.69 J	1.3 J	0.36 J	1.1 J	0.33 J	1.7 J
Lithium, total	53	54	32	66	3.5 J	46
Selenium, total	5 U	5 U	1.1	1.6	1.1 J	6.3

Detected Parameter	2017 CAMU 1 Leak Detection		2017 CAMU 1 Leak Detection		2017 Groundwater (All Events)	
	Min	Max	Min	Max	Min	Max
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Bis(2-ethylhexyl)phthalate	5.5	5.5	1.0 U	2.0 U	8.0	8.0
Arsenic, dissolved	NA	NA	NA	NA	3.00 J	45
Arsenic, total	0.68 J	0.68 J	0.95 J	2.1 J	NA	NA
Barium, dissolved	NA	NA	NA	NA	19	100
Barium, total	190	260	120	240	NA	NA
Lithium, dissolved	NA	NA	NA	NA	4.8 J	16
Lithium, total	46	57	32	62	NA	NA
Selenium, dissolved	NA	NA	NA	NA	5.0	5.0
Selenium, total	5.0 U	5.0 U	1.2 J	1.3 J	NA	NA
Total Arsenic					NS	NS

Notes:
ug/L = micrograms per liter
NA = Parameter not analyzed (i.e., parameter not included as part the analytical program).
NA = Not required. Dissolved hexavalent chromium analysis not required because total hexavalent chromium was reported as non-detect.
J = Estimated value
U = The parameter is reported as non-detect; the numerical value presented is the reporting limit.

UJ = The parameter is reported as non-detect; the numerical value presented is the reporting limit. However, the reporting limit is estimated.

The 2016 groundwater sampling events include: February 18, 2016; May 18-19, 20116; July 12, 2016; August 15, 2016; and November 29, 2016.

For 2017 data: USEPA approved analysis for dissolved metals (instead of total metals) for comparison to Prediction Limits beginning in 2017 via email correspondence dated April 12, 2017 (USEPA, 2017a).

The annual evaluations indicate that there is no correlation between the leak detection and leachate collection systems and the underlying aquifer. In general, the concentrations of chemicals detected in groundwater samples were less than concentrations detected in the Unit 1 leak detection and leachate samples. In some instances, metals concentrations in groundwater samples were greater than concentrations detected in leak detection and/or leachate samples. However, arsenic, barium cadmium, chromium, lead, and selenium were detected during pre-construction groundwater sampling events, and present-day metals concentrations in groundwater samples are not necessarily indicative of a release from the CAMU. (Lithium was not an analytical parameter during the pre-construction sampling events).

In 2017, USS developed statistically-derived CAMU-specific Prediction Limits and began comparing metals constituent concentrations in groundwater to these Prediction Limits. For the purposes of this request for TSCA authorization renewal, metals constituents in groundwater samples collected during the period from 2009 through 2016 were also compared to the Prediction Limits. Because the Prediction Limits are an estimated upper limit of the background data, a confirmed exceedance of a given parameter's prediction limit would suggest that groundwater concentrations increased above background levels. The concentrations of chemicals detected in downgradient groundwater samples were either less than their respective Prediction Limits (for metals) or satisfied the double quantification rule (i.e., verification sampling did not confirm an exceedance). (Note: because Prediction Limits were not implemented until 2017, verification sampling would not have been performed for any observed exceedances of the Prediction Limits in the 2009-2016 data set.) Therefore, groundwater concentrations have not increased above background levels and the CAMU liner system appears to be functioning as designed with respect to limiting interaction between the CAMU fluids and the surrounding groundwater.

As presented in Section 2.2.1, during the 2009-2017 monitoring period, the Unit 1 average monthly leak detection flow rates were well below the CAMU ALR of 8,075 gallons/acre per day. Average monthly flow rates less than the ALR indicate that fluid head has not built on the up on the leak detection system and that there is not an increase for the potential for leakage from the CAMU.

Because the flow rates have been less than the ALR, no further action (i.e., increased monitoring/pumping frequency, USEPA/IDEM notification, third party inspections, etc.) has been required. The CAMU has no effect on groundwater at this time and no leakage from the CAMU into groundwater has been detected (i.e., the CAMU is functioning as designed to protect human health and the environment).

USS believes the CAMU design elements, operations and maintenance, and monitoring programs provides adequate protection to health and the environment.

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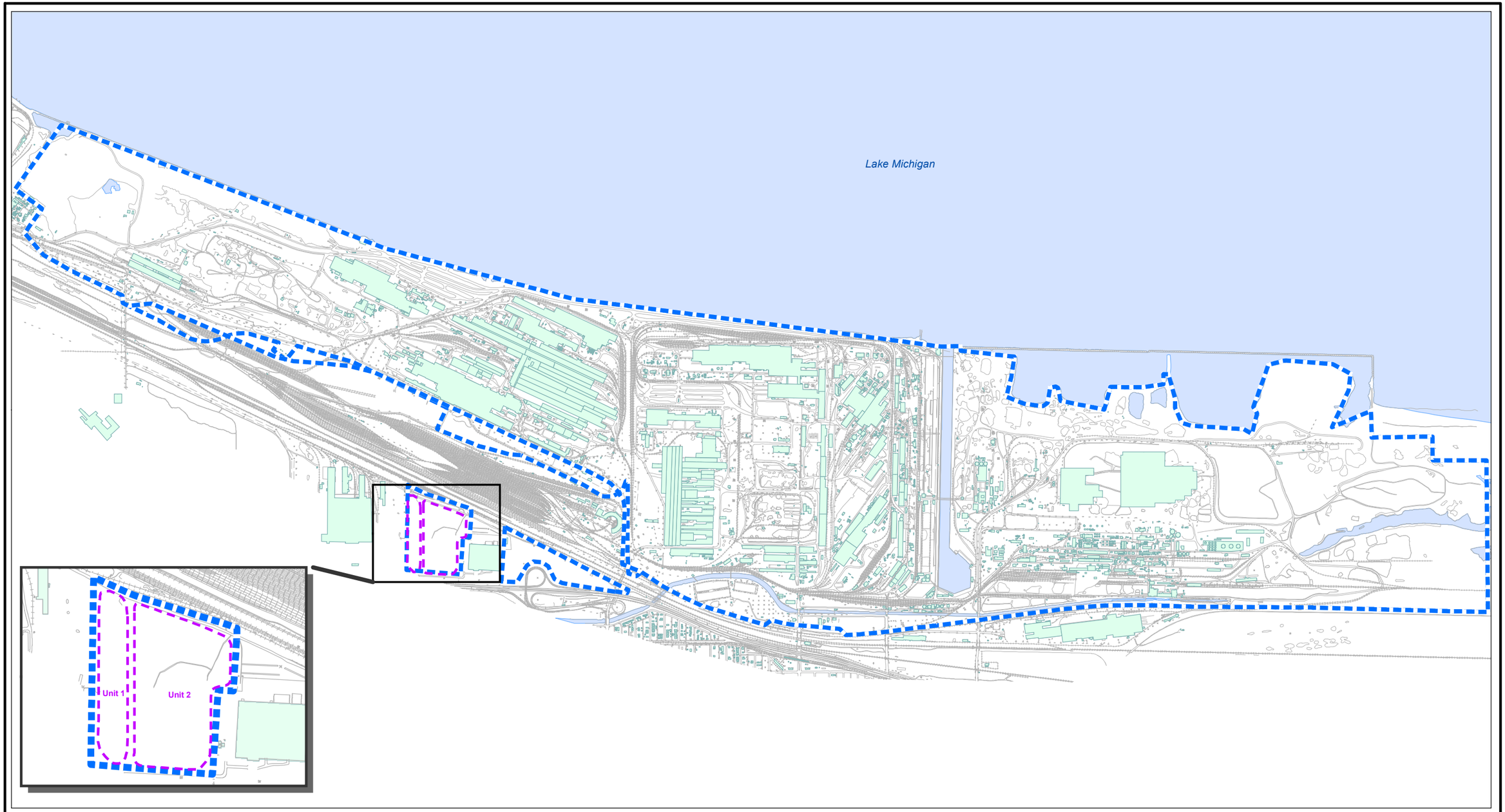
FIGURES



Legend:

- Units 1 and 2 Boundary
- Site Boundary
- CAMU Boundary
- Waterbody
- Buildings

0 1,125 2,250

1 inch = 2,250 feet

Regional Site Location Map

Figure 1
Location of the Corrective Action Management Unit

U. S. STEEL - GARY WORKS, GARY, INDIANA

Revision 0

June 2015

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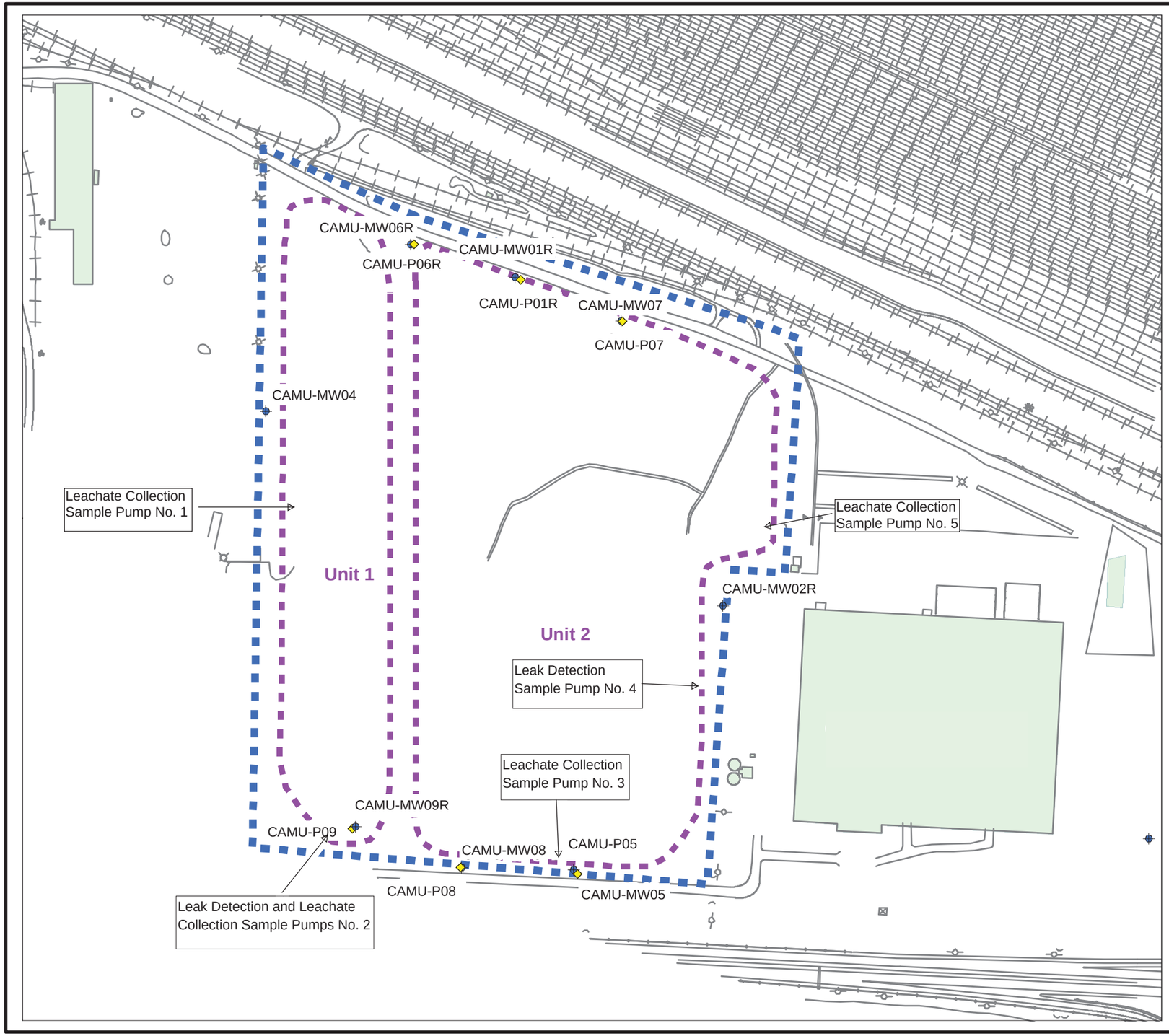
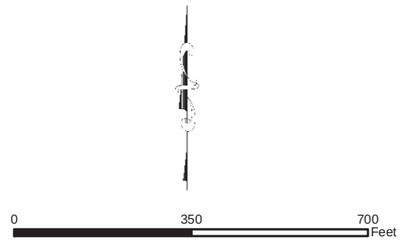




Legend:

- Monitoring Well
- Piezometer
- Buildings
- CAMU Boundary
- Units 1 and 2 Boundary

Regional Site Location Map

FIGURE 2

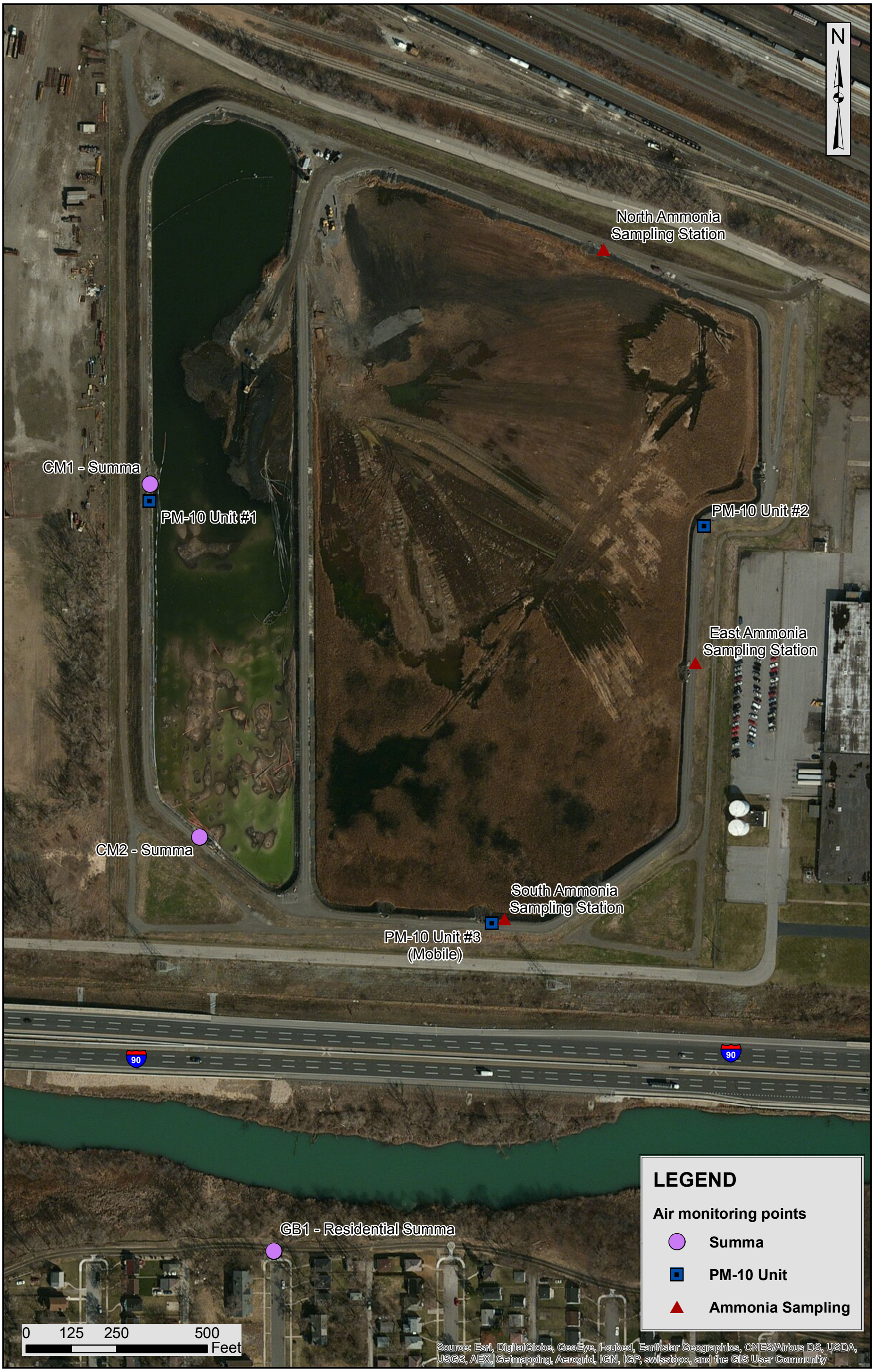
Groundwater Monitoring Wells and Piezometers and Leak Detection and Leachate Collection Sampling Pumps

U. S. STEEL - GARY WORKS,
GARY, INDIANA

Revision 1
April 2019

Figure 3
Air Monitoring Locations

U. S. STEEL - GARY WORKS
GARY, INDIANA



TABLES

Table 1
CAMU Inspection and Maintenance Requirements
U. S. Steel – Gary Works
Gary, Indiana

Operating System/Area	Inspections		Repair/Maintenance Activities		Required Inspection Form
	Method	**Frequency**	**Initiation of Major Repairs**	**Maintenance Activities**	
Temporary Waste Container Staging	Visual	Monthly (if a waste container is temporarily staged within the bermed area of the CAMU)	Within one week	See Section 1.3	Temporary Waste Container Inspection Form (App D)
Exterior Perimeter Berms	Visual	Daily during waste disposal periods Monthly during non-disposal periods	Initiated within 72 hours; completed within 2 months	See Section 2.2	CAMU Site Inspection Form (App B-1)
Exterior Perimeter Roadways and Fencing	Visual	Daily during waste disposal periods Monthly during non-disposal periods	Initiated within one week; completed within 2 months Spills cleaned immediately	See Section 2.3	CAMU Site Inspection Form (App B-1) Haul Route Inspection Form (App C)
CAMU Geosynthetics	Visual – General Site Observations	Daily observations of wear and tear during waste disposal periods Monthly observations of wear and tear during non-disposal periods	Completed within 2 months	See Section 3.2	CAMU Site Inspection Form (App B-1)
	Visual – Detailed Inspection	Detailed inspection semi-annually	Completed within 2 months	See Section 3.2	CAMU Semi-Annual Geosynthetics Inspection Form (App G)
Leak Detection and Leachate Collection	Visual and Physical	Daily during waste disposal periods Monthly during non-disposal periods	Within 1 month	See Section 4	Leachate and Leak Detection System and Evaporative Spray System Inspection Form (App B-1)
Storm water Management System	Visually inspect ditches and outboard berms; swales and ponds	Daily during waste disposal periods Monthly during non-disposal periods	Completed within 2 months	See section 5.2	CAMU Site Inspection Form (App B-1)
CAMU Water Treatment (Spray System)	Visual	Daily when system is operating	Completed within 1 month	See Section 6.3	Leachate and Leak Detection System and Evaporative Spray System Inspection Form (App B-1) Ambient Air Monitoring Daily

Operating System/Area	Inspections		Repair/Maintenance Activities		Required Inspection Form
	Method	**Frequency**	**Initiation of Major Repairs**	**Maintenance Activities**	
					Field Sheets (Attach 1)
BTEX and Naphthalene Air Monitoring Equipment	Visual	Inspect summa canisters and regulators before and after sampling interval	Initiated within 24 hours	--	--
PM10 Air Monitoring Equipment	Physical / Electronic	Monthly inspection and calibration of the equipment prior to use. Remote monitoring of instrument output and internal control checks during monitoring period. Annual full calibration of equipment	Initiated within 24 hours	--	--

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R
										Sample Date	4/21/2009	9/21/2009	3/10/2010	9/20/2010	9/20/2010	3/22/2011	9/14/2011	3/21/2012
										Lab Sample ID	510-39202-8	510-44768-2	510-50310-7	510-56995-5	510-56995-4	510-63448-4	510-70004-3	510-76890-3
										Sample Type	TRG	TRG	TRG	TRG	FD	TRG	TRG	TRG
Semi-Volatile Organic Compounds (SVOCs)																		
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*5.3 UJ*	*5 UJ*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*2.1 UJ*	*2 U*	*2 U*	*2.1 U*	*2 U*	*2 U*	*2.2 U*	*2 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	2.1 UJ	2 U	2 U	2.1 U	2 U	2 U	2.2 U	2 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	5.3 UJ	5 UJ	4.9 U	5.3 U	5 U	5.1 U	5.5 U	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	2.1 UJ	2 U	2 U	2.1 U	2 U	2 U	2.2 U	2 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*2.1 UJ*	*2 U*	*2 U*	*2.1 U*	*2 U*	*2 U*	*2.2 U*	*2 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*21 UJ*	*20 UJ*	*20 U*	*21 U*	*20 U*	*20 U*	*22 U*	*20 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 UJ	9.9 UJ	9.8 U	11 U	10 U	10 U	11 U	10 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 UJ	5 UJ	9.8 U	11 U	10 U	10 U	11 U	10 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	5.3 UJ	5 UJ	4.9 U	5.3 U	5 U	5.1 U	5.5 U	5 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*11 UJ*	*9.9 U*	*9.8 U*	*11 U*	*10 U*	*10 U*	*11 U*	*10 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*5.3 UJ*	*5 U*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	11 UJ	9.9 U	9.8 U	11 U	10 U	10 U	11 U	10 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	11 UJ	9.9 U	9.8 U	11 U	10 U	10 U	11 U	10 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	*21 UJ*	*20 U*	*20 U*	*21 U*	*20 U*	*20 U*	*22 U*	*20 U*
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*1.1 UJ*	*0.99 U*	*0.98 U*	*1.1 U*	*1 U*	*1 U*	*1.1 U*	*1 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*5.3 UJ*	*5 UJ*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*0.53 UJ*	*0.5 U*	*0.49 U*	*0.53 U*	*0.5 U*	*0.51 U*	*0.55 U*	*0.5 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*5.3 UJ*	*5 UJ*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*2.1 UJ*	*2 U*	*2 U*	*2.1 U*	*2 U*	*2 U*	*2.2 U*	*2 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	5.3 UJ	5 U	4.9 U	5.3 U	5 U	5.1 U	5.5 U	5 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	0.53 UJ	0.5 U	0.49 U	0.53 U	0.5 U	0.51 U	0.55 U	5 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	2.1 UJ	2 U	2 U	2.1 U	2 U	2 U	2.2 U	2 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*5.3 UJ*	*5 UJ*	*9.8 U*	*11 U*	*10 U*	*10 U*	*11 U*	*10 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	5.3 UJ	5 U	4.9 U	5.3 U	5 U	5.1 U	5.5 U	5 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	11 UJ	9.9 U	9.8 U	11 U	10 U	10 U	11 U	10 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 UJ	9.9 UJ	9.8 U	11 U	10 U	10 U	11 U	10 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*11 UJ*	*9.9 UJ*	*9.8 U*	*11 U*	*10 U*	*10 U*	*11 U*	*10 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.1 UJ	2 U	2 U	2.1 U	2 U	2 U	2.2 U	2 U
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*5.3 UJ*	*5 U*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	*21 UJ*	*20 UJ*	*20 U*	*21 UJ*	*20 UJ*	*20 U*	*22 UJ*	*20 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*5.3 UJ*	*5 UJ*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 UJ	9.9 U	9.8 U	11 U	10 U	10 U	11 U	10 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*21 UJ*	*20 U*	*20 U*	*21 U*	*20 U*	*20 U*	*22 U*	*20 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*5.3 UJ*	*5 UJ*	*9.8 U*	*11 U*	*10 U*	*10 U*	*11 U*	*10 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*5.3 UJ*	*5 U*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	11 UJ	9.9 U	9.8 U	11 U	10 U	10 U	11 U	10 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*11 UJ*	*9.9 U*	*9.8 U*	*11 U*	*10 U*	*10 U*	*11 U*	*10 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 UJ	5 U	4.9 U	5.3 U	5 U	5.1 U	5.5 U	5 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*11 UJ*	*9.9 U*	*9.8 U*	*11 U*	*10 U*	*10 U*	*11 U*	*10 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	21 UJ	20 UJ	20 U	21 U	20 U	20 U	22 U	20 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	21 UJ	20 UJ	20 U	21 U	20 U	20 U	22 U	20 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	5.3 UJ	5 UJ	4.9 U	5.3 U	5 U	5.1 U	5.5 U	5 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*5.3 UJ*	*5 UJ*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	43 UJ	40 UJ	39 U	43 U	40 U	41 U	44 U	40 U
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	1.1 UJ	0.99 U	0.98 U	1.1 U	1 U	1 U	1.1 U	1 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	1.1 UJ	0.99 U	0.98 U	1.1 U	1 U	1 U	1.1 U	1 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	5.3 UJ	5 UJ	4.9 U	5.3 U	5 U	5.1 U	5.5 U	5 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*21 UJ*	*20 U*	*20 U*	*21 U*	*20 U*	*20 U*	*22 U*	*20 U*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*1.1 UJ*	*0.99 U*	*0.98 U*	*1.1 U*	*1 U*	*1 U*	*1.1 U*	*1 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R
										Sample Date	4/21/2009	9/21/2009	3/10/2010	9/20/2010	9/20/2010	3/22/2011	9/14/2011	3/21/2012
										Lab Sample ID	510-39202-8	510-44768-2	510-50310-7	510-56995-5	510-56995-4	510-63448-4	510-70004-3	510-76890-3
										Sample Type	TRG	TRG	TRG	TRG	FD	TRG	TRG	TRG
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*5.3 UJ*	*5 UJ*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*0.21 UJ*	*0.2 U*	*0.2 U*	*0.21 U*	*0.2 U*	*0.2 U*	*0.22 U*	*0.2 U*
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*0.21 UJ*	*0.2 U*	*0.2 U*	*0.21 U*	*0.2 U*	*0.2 U*	*0.22 U*	*0.2 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*0.21 UJ*	*0.2 U*	*0.2 U*	*0.21 U*	*0.2 U*	*0.2 U*	*0.22 U*	*0.2 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	1.1 UJ	0.99 U	0.98 U	1.1 U	1 U	1 U	1.1 U	1 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.21 UJ	0.2 U	0.2 U	0.21 U	0.2 U	0.2 U	0.22 U	0.2 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	*21 UJ*	*20 U*	*20 U*	*21 U*	*20 U*	*20 U*	*22 U*	*20 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	NR	NR	NR	2.1 U	2 U	2 U	2.2 U	2 U
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	2.1 UJ	2 U	2 U	2.1 U	2 U	2 U	2.2 U	2 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*2.1 UJ*	*2 U*	*2 U*	*2.1 U*	*2 U*	*2 U*	*2.2 U*	*2 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*11 UJ*	*9.9 U*	*9.8 U*	*11 U*	*10 U*	*10 U*	*11 U*	*10 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	2.1 UJ	2 U	2 U	2.1 U	2 U	2 U	2.2 U	2 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	4.9 U	5.3 U	5 U	5.1 U	5.5 U	5 U
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*5.3 UJ*	*5 UJ*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.53 UJ	0.5 U	0.49 U	0.53 U	0.5 U	0.51 U	0.55 U	0.5 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*5.3 UJ*	*5 UJ*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*0.32 UJ*	*0.3 U*	*0.29 U*	*0.32 U*	*0.3 U*	*0.31 U*	*0.33 U*	*0.3 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	2.1 UJ	2 U	2 U	2.1 U	2 U	2 U	2.2 U	2 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	2.1 UJ	2 U	2 U	2.1 U	2 U	2 U	2.2 U	2 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	2.1 UJ	2 U	2 U	2.1 U	2 U	2 U	2.2 U	2 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	5.3 UJ	5 U	4.9 U	5.3 U	5 U	5.1 U	5.5 U	5 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	11 UJ	9.9 U	9.8 U	11 U	10 U	10 U	11 U	10 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	5.3 UJ	5 UJ	4.9 U	5.3 U	5 U	5.1 U	5.5 U	5 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 UJ	5 UJ	4.9 U	5.3 U	5 U	5.1 U	5.5 U	5 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	1.1 UJ	0.99 U	0.98 U	1.1 U	1 U	1 U	1.1 U	1 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	1.1 UJ	0.99 U	0.98 U	1.1 U	1 U	1 U	1.1 U	1 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*0.53 UJ*	*0.5 U*	*0.49 U*	*0.53 U*	*0.5 U*	*0.51 U*	*0.55 U*	*0.5 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*5.3 UJ*	*5 U*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*21 UJ*	*20 U*	*20 U*	*21 U*	*20 U*	*20 U*	*22 U*	*20 U*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*5.3 UJ*	*5 U*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*110 UJ*	*99 UJ*	*98 U*	*110 U*	*100 U*	*100 U*	*110 U*	*100 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	21 UJ	20 U	20 U	21 U	20 U	20 UJ	22 U	20 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*0.21 UJ*	*0.2 U*	*0.2 U*	*0.21 U*	*0.2 U*	*0.2 U*	*0.22 U*	*0.2 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	2.1 UJ	2 U	2 U	2.1 U	2 U	2 U	2.2 U	2 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 UJ	5 UJ	4.9 U	5.3 U	5 U	5.1 U	5.5 U	5 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*5.3 UJ*	*5 UJ*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	43 UJ	40 UJ	39 U	43 U	40 U	41 U	44 U	40 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*5.3 UJ*	*5 UJ*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*1.1 UJ*	*0.99 U*	*0.98 U*	*1.1 U*	*1 U*	*1 U*	*1.1 U*	*1 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*1.1 UJ*	*0.99 U*	*0.98 U*	*1.1 U*	*1 U*	*1 U*	*1.1 U*	*1 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*5.3 UJ*	*5 UJ*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*11 UJ*	*9.9 U*	*9.8 U*	*11 U*	*10 U*	*10 U*	*11 U*	*10 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*5.3 UJ*	*5 UJ*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*0.53 UJ*	*0.5 U*	*0.49 U*	*0.53 U*	*0.5 U*	*0.51 U*	*0.55 U*	*0.5 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	1.1 UJ	0.99 U	0.98 U	1.1 U	1 U	1 U	1.1 U	1 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*5.3 UJ*	*5 UJ*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*5.3 UJ*	*5 UJ*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 UJ	5 UJ	4.9 U	5.3 U	5 U	5.1 U	5.5 U	5 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*5.3 UJ*	*5 UJ*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 UJ	5 UJ	4.9 U	5.3 U	5 U	5.1 U	5.5 U	5 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*5.3 UJ*	*5 UJ*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R
										Sample Date	**4/21/2009**	**9/21/2009**	**3/10/2010**	**9/20/2010**	**9/20/2010**	**3/22/2011**	**9/14/2011**	**3/21/2012**
										Lab Sample ID	**510-39202-8**	**510-44768-2**	**510-50310-7**	**510-56995-5**	**510-56995-4**	**510-63448-4**	**510-70004-3**	**510-76890-3**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**FD**	**TRG**	**TRG**	**TRG**
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*5.3 UJ*	*5 UJ*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*5.3 UJ*	*5 UJ*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*21 UJ*	*20 U*	*20 U*	*21 U*	*20 U*	*20 U*	*22 U*	*20 U*
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	5.3 UJ	5 UJ	4.9 U	5.3 U	5 U	5.1 U	5.5 U	5 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	*1.1 UJ*	*0.99 U*	*0.98 U*	*1.1 U*	*1 U*	*1 U*	*1.1 U*	*1 U*
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	5.3 UJ	5 U	4.9 U	5.3 U	5 U	5.1 U	5.5 U	5 U
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NV	NV	NV	NV	NV	43 UJ	40 UJ	39 U	43 U	40 U	41 U	44 U	40 U
Pronamide	23950-58-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	5.3 UJ	5 UJ	9.8 U	11 U	10 U	10 U	11 U	10 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*1.1 UJ*	*0.99 U*	*0.98 U*	*1.1 U*	*1 U*	*1 U*	*1.1 U*	*1 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	*21 UJ*	20 UJ	20 U	*21 U*	20 U	20 U	*22 U*	20 U
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	NR	NR	NR	NR	NR	*10 U*	*11 U*	*10 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*5.3 UJ*	*5 UJ*	*4.9 U*	*5.3 U*	*5 U*	*5.1 U*	*5.5 U*	*5 U*
General Chemistry																		
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	**10 J**	*10 U*
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	*10 U*	NR
Total Metals																		
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	*30 U*	*30 U*	**41**	*30 U*	*30 U*	*30 U*	**32**	**14**
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	28	21	20	21	21	21	17	23
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	1 U	1 U
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	10 U	10 U	10 U	10 U	10 U	10 U	1.5 U	1.5 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	0.5 U	0.5 U
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	NR	NR	NR	NR	NR	**27**	**17**	**18**
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	1.3	1 U
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	*40 U*	*40 U*	*40 U*	*40 U*	*40 U*	*40 U*	*2 U*	*2 U*
Polychlorinated Biphenyls (PCBs)																		
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	*0.52 U*	*0.51 U*	*0.5 U*	*0.56 U*	*0.55 U*	*0.53 U*	*0.56 U*	*0.51 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	*0.52 U*	*0.51 U*	*0.5 U*	*0.56 U*	*0.55 U*	*0.53 U*	*0.56 U*	*0.51 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	*0.52 U*	*0.51 U*	*0.5 U*	*0.56 U*	*0.55 U*	*0.53 U*	*0.56 U*	*0.51 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	*0.52 U*	*0.51 U*	*0.5 U*	*0.56 U*	*0.55 U*	*0.53 U*	*0.56 U*	*0.51 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	*0.52 U*	*0.51 U*	*0.5 U*	*0.56 U*	*0.55 U*	*0.53 U*	*0.56 U*	*0.51 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	*0.52 U*	*0.51 U*	*0.5 U*	*0.56 U*	*0.55 U*	*0.53 U*	*0.56 U*	*0.51 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	*0.52 U*	*0.51 U*	*0.5 U*	*0.56 U*	*0.55 U*	*0.53 U*	*0.56 U*	*0.51 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	*0.52 U*	*0.51 U*	0.5 U	*0.56 U*	*0.55 U*	*0.53 U*	*0.56 U*	*0.51 U*
Volatile Organic Compounds (VOCS)																		
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*2 U*	*2 UJ*	*2 U*	*2 U*	*2 U*	*2 U*	*2 UJ*	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U	5 UJ	5 U	5 U	5 U	5 U	5 UJ	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U	5 UJ	5 U	5 U	5 U	5 U	5 UJ	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*2.5 U*	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 UJ*	*2.5 U*

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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R
										Sample Date	4/21/2009	9/21/2009	3/10/2010	9/20/2010	9/20/2010	3/22/2011	9/14/2011	3/21/2012
										Lab Sample ID	510-39202-8	510-44768-2	510-50310-7	510-56995-5	510-56995-4	510-63448-4	510-70004-3	510-76890-3
										Sample Type	TRG	TRG	TRG	TRG	FD	TRG	TRG	TRG
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 U	5 UJ	5 U	5 U	5 U	5 U	5 UJ	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	5 U	5 UJ	5 U	5 U	5 U	5 U	5 UJ	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 U	20 UJ	20 U	20 U	20 U	20 U	20 UJ	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 U*	*100 UJ*	*100 U*	*100 U*	*100 U*	*100 U*	*100 UJ*	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 U*	*20 UJ*	*20 U*	*20 U*	*20 U*	*20 U*	*20 UJ*	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*0.5 U*	*0.5 UJ*	*0.5 U*
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 U	5 UJ	5 U	5 U	5 U	5 U	5 UJ	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	0.5 U	0.5 UJ	0.5 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	100 U	100 UJ	100 U	100 U	100 U	100 U	100 UJ	100 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 U*	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 UJ*	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	2 U	2 UJ	2 U	2 U	2 U	2 U	5 UJ	5 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*2.5 U*	*10 UJ*	*10 U*	*10 U*	*10 U*	*10 U*	*10 UJ*	*10 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	20 UJ	20 U	20 U	20 U	20 U	20 UJ	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	2.4	1 UJ	1 U	1 U	1 U	0.5 U	0.5 UJ	0.5 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*2.5 U*	*10 UJ*	*10 U*	*10 U*	*10 U*	*10 U*	*10 UJ*	*10 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*0.5 U*	*0.5 UJ*	*0.5 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	5 U	5 UJ	5 U	5 U	5 U	2 U	2 UJ	2 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*0.5 U*	*0.5 UJ*	*0.5 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	2 U	2 UJ	2 U	2 U	2 U	1 U	1 UJ	1 U

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW01R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R
										Sample Date	9/18/2012	4/22/2009	9/22/2009	3/11/2010	9/21/2010	9/21/2010	3/21/2011	9/13/2011
										Lab Sample ID	510-83681-1	510-39250-7	510-44820-3	510-50340-1	510-57050-5	510-57050-4	510-63407-1	510-69947-6
										Sample Type	TRG	TRG	TRG	TRG	TRG	FD	TRG	TRG
Semi-Volatile Organic Compounds (SVOCs)																		
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 UJ*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*2.1 U*	*2 U*	*2.2 UJ*	*2 UJ*	*2.2 UJ*	*2.2 UJ*	*2.1 U*	*2.2 UJ*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	2.1 U	2 U	2.2 UJ	2 UJ	2.2 UJ	2.2 UJ	2.1 U	2.2 UJ
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	5.2 U	5 U	5.4 UJ	4.9 U	5.5 UJ	5.4 UJ	5.3 U	5.6 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	2.1 U	2 U	2.2 UJ	2 UJ	2.2 UJ	2.2 UJ	2.1 U	2.2 UJ
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*2.1 U*	*2 U*	*2.2 UJ*	*2 UJ*	*2.2 UJ*	*2.2 UJ*	*2.1 U*	*2.2 UJ*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*21 U*	*20 U*	*22 UJ*	*20 U*	*22 UJ*	*22 UJ*	*21 U*	*22 UJ*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	10 U	11 UJ	9.8 U	11 UJ	11 UJ	11 U	11 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	5 U	5.4 UJ	9.8 U	11 UJ	11 UJ	11 U	11 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	5.2 U	5 U	5.4 UJ	4.9 U	5.5 UJ	5.4 UJ	5.3 U	5.6 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*10 U*	*10 U*	*11 UJ*	*9.8 U*	*11 UJ*	*11 UJ*	*11 U*	*11 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	10 U	10 U	11 UJ	9.8 UJ	11 UJ	11 UJ	11 U	11 UJ
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	10 U	10 U	11 UJ	9.8 U	11 UJ	11 UJ	11 U	11 UJ
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	*21 U*	*20 U*	*22 UJ*	*20 U*	*22 UJ*	*22 UJ*	*21 U*	*22 U*
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1.1 UJ*	*0.98 U*	*1.1 UJ*	*1.1 UJ*	*1.1 U*	*1.1 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 UJ*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 UJ*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*0.52 U*	*0.5 U*	*0.54 UJ*	*0.49 U*	*0.55 UJ*	*0.54 UJ*	*0.53 U*	*0.56 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*2.1 U*	*2 U*	*2.2 UJ*	*2 U*	*2.2 UJ*	*2.2 UJ*	*2.1 U*	*2.2 UJ*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	5.2 U	5 U	5.4 UJ	4.9 UJ	5.5 UJ	5.4 UJ	5.3 U	5.6 UJ
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	0.52 U	0.5 U	0.54 UJ	0.49 UJ	0.55 UJ	0.54 UJ	0.53 U	0.56 UJ
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	2.1 U	2 U	2.2 UJ	2 UJ	2.2 UJ	2.2 UJ	2.1 U	2.2 UJ
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*10 U*	*5 U*	*5.4 UJ*	*9.8 U*	*11 UJ*	*11 UJ*	*11 U*	*11 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	5.2 U	5 U	5.4 UJ	4.9 U	5.5 UJ	5.4 UJ	5.3 U	5.6 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	10 UJ	10 U	11 UJ	9.8 UJ	11 UJ	11 UJ	11 U	11 UJ
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	10 U	11 UJ	9.8 U	11 UJ	11 UJ	11 U	11 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*10 U*	*10 U*	*11 UJ*	*9.8 U*	*11 UJ*	*11 UJ*	*11 U*	*11 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.1 U	2 U	2.2 UJ	2 U	2.2 UJ	2.2 UJ	2.1 U	2.2 UJ
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 UJ*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	*21 U*	R	*22 UJ*	*20 U*	*22 UJ*	*22 UJ*	*21 U*	*22 UJ*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	10 U	11 UJ	9.8 U	11 UJ	11 UJ	11 U	11 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*21 U*	*20 U*	*22 UJ*	*20 U*	*22 UJ*	*22 UJ*	*21 U*	*22 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*10 U*	*5 U*	*5.4 UJ*	*9.8 U*	*11 UJ*	*11 UJ*	*11 U*	*11 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	10 U	10 U	11 UJ	9.8 U	11 UJ	11 UJ	11 UJ	11 UJ
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*10 U*	*10 U*	*11 UJ*	*9.8 U*	*11 UJ*	*11 UJ*	*11 U*	*11 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.2 U	5 U	5.4 UJ	4.9 U	5.5 UJ	5.4 UJ	5.3 U	5.6 UJ
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*10 U*	*10 U*	*11 UJ*	*9.8 U*	*11 UJ*	*11 UJ*	*11 U*	*11 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	21 U	20 U	22 UJ	20 U	22 UJ	22 UJ	21 U	22 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	20 U	22 UJ	20 U	22 UJ	22 UJ	21 U	22 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	5.2 U	5 U	5.4 UJ	4.9 U	5.5 UJ	5.4 UJ	5.3 U	5.6 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 U*
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	42 U	40 U	43 UJ	39 U	44 UJ	43 UJ	42 U	44 U
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	1 U	1 U	1.1 UJ	0.98 U	1.1 UJ	1.1 UJ	1.1 U	1.1 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	1 U	1 U	1.1 UJ	0.98 U	1.1 UJ	1.1 UJ	1.1 U	1.1 UJ
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	5.2 U	5 U	5.4 UJ	4.9 U	5.5 UJ	5.4 UJ	5.3 U	5.6 UJ
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*21 U*	*20 U*	*22 UJ*	*20 U*	*22 UJ*	*22 UJ*	*21 U*	*22 UJ*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1.1 UJ*	*0.98 U*	*1.1 UJ*	*1.1 UJ*	*1.1 U*	*1.1 UJ*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW01R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R
										Sample Date	9/18/2012	4/22/2009	9/22/2009	3/11/2010	9/21/2010	9/21/2010	3/21/2011	9/13/2011
										Lab Sample ID	510-83681-1	510-39250-7	510-44820-3	510-50340-1	510-57050-5	510-57050-4	510-63407-1	510-69947-6
										Sample Type	TRG	TRG	TRG	TRG	TRG	FD	TRG	TRG
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*0.21 U*	*0.2 U*	*0.22 UJ*	*0.2 U*	*0.22 UJ*	*0.22 UJ*	*0.21 U*	*0.22 U*
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*0.21 U*	*0.2 U*	*0.22 UJ*	*0.2 U*	*0.22 UJ*	*0.22 UJ*	*0.21 U*	*0.22 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*0.21 U*	*0.2 U*	*0.22 UJ*	*0.2 U*	*0.22 UJ*	*0.22 UJ*	*0.21 U*	*0.22 UJ*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	1 U	1 U	1.1 UJ	0.98 U	1.1 UJ	1.1 UJ	1.1 U	1.1 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.21 U	0.2 U	0.22 UJ	0.2 U	0.22 UJ	0.22 UJ	0.21 U	0.22 UJ
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	*21 U*	*20 U*	*22 UJ*	*20 UJ*	*22 UJ*	*22 UJ*	*21 U*	*22 UJ*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	2.1 U	NR	NR	NR	2.2 UJ	2.2 UJ	2.1 U	2.2 UJ
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	2.1 U	2 U	2.2 UJ	2 UJ	2.2 UJ	2.2 UJ	2.1 U	2.2 UJ
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*2.1 U*	*2 U*	*2.2 UJ*	*2 U*	*2.2 UJ*	*2.2 UJ*	*2.1 U*	*2.2 UJ*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*10 U*	*10 U*	*11 UJ*	*9.8 U*	*11 UJ*	*11 UJ*	*11 U*	*11 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	2.1 U	2 U	2.2 UJ	2 U	2.2 UJ	2.2 UJ	2.1 U	2.2 UJ
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.2 U	NR	NR	4.9 U	5.5 UJ	5.4 UJ	5.3 U	5.6 UJ
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.52 U	0.5 U	0.54 UJ	0.49 U	0.55 UJ	0.54 UJ	0.53 U	0.56 UJ
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*0.31 U*	*0.3 U*	*0.32 UJ*	*0.29 U*	*0.33 UJ*	*0.33 UJ*	*0.32 U*	*0.33 UJ*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	2.1 U	2 U	2.2 UJ	2 U	2.2 UJ	2.2 UJ	2.1 U	2.2 UJ
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	2.1 U	2 U	2.2 UJ	2 U	2.2 UJ	2.2 UJ	2.1 U	2.2 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	2.1 U	2 U	2.2 UJ	2 U	2.2 UJ	2.2 UJ	2.1 U	2.2 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	5.2 U	5 U	5.4 UJ	4.9 U	5.5 UJ	5.4 UJ	5.3 U	5.6 UJ
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	10 U	10 U	11 UJ	9.8 U	11 UJ	11 UJ	11 U	11 UJ
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	5.2 U	5 U	5.4 UJ	4.9 U	5.5 UJ	5.4 UJ	5.3 U	5.6 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.2 U	5 U	5.4 UJ	4.9 U	5.5 UJ	5.4 UJ	5.3 U	5.6 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	1 U	1 U	1.1 UJ	0.98 U	1.1 UJ	1.1 UJ	1.1 U	1.1 UJ
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	1 U	1 U	1.1 UJ	0.98 U	1.1 UJ	1.1 UJ	1.1 U	1.1 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*0.52 U*	*0.5 U*	*0.54 UJ*	*0.49 U*	*0.55 UJ*	*0.54 UJ*	*0.53 U*	*0.56 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 UJ*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 UJ*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*21 U*	*20 U*	*22 UJ*	*20 U*	*22 UJ*	*22 UJ*	*21 U*	*22 UJ*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 UJ*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 UJ*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*100 U*	*100 U*	*110 UJ*	*98 UJ*	*110 UJ*	*110 UJ*	*110 U*	*110 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	21 U	20 U	22 UJ	20 U	22 UJ	22 UJ	21 UJ	22 UJ
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*0.21 U*	*0.2 U*	*0.22 UJ*	*0.2 U*	*0.22 UJ*	*0.22 UJ*	*0.21 U*	*0.22 UJ*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	2.1 U	2 U	2.2 UJ	2 U	2.2 UJ	2.2 UJ	2.1 U	2.2 UJ
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.2 U	5 U	5.4 UJ	4.9 U	5.5 UJ	5.4 UJ	5.3 U	5.6 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	42 U	40 U	43 UJ	39 U	44 UJ	43 UJ	42 U	44 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1.1 UJ*	*0.98 U*	**1.2 J**	**2.3 J**	*1.1 U*	*1.1 UJ*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1.1 UJ*	*0.98 U*	*1.1 UJ*	*1.1 UJ*	*1.1 U*	*1.1 UJ*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 UJ*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*10 U*	*10 U*	*11 UJ*	*9.8 U*	*11 UJ*	*11 UJ*	*11 U*	*11 UJ*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 UJ*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*0.52 U*	*0.5 U*	*0.54 UJ*	*0.49 U*	*0.55 UJ*	*0.54 UJ*	*0.53 U*	*0.56 UJ*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	1 U	1 U	1.1 UJ	0.98 U	1.1 UJ	1.1 UJ	1.1 U	1.1 UJ
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 UJ*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 UJ*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.2 U	5 U	5.4 UJ	4.9 U	5.5 UJ	5.4 UJ	5.3 U	5.6 UJ
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 UJ*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.2 U	5 U	5.4 UJ	4.9 U	5.5 UJ	5.4 UJ	5.3 U	5.6 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW01R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R
										Sample Date	9/18/2012	4/22/2009	9/22/2009	3/11/2010	9/21/2010	9/21/2010	3/21/2011	9/13/2011
										Lab Sample ID	510-83681-1	510-39250-7	510-44820-3	510-50340-1	510-57050-5	510-57050-4	510-63407-1	510-69947-6
										Sample Type	TRG	TRG	TRG	TRG	TRG	FD	TRG	TRG
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 UJ*
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	NR	NR	NR	NR	*11 UJ*	*11 UJ*	*11 UJ*	*11 UJ*
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*21 U*	*20 U*	*22 UJ*	*20 U*	*22 UJ*	*22 UJ*	*21 U*	*22 U*
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	5.2 U	5 U	5.4 UJ	4.9 U	5.5 UJ	5.4 UJ	5.3 U	5.6 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1.1 UJ*	*0.98 U*	*1.1 UJ*	*1.1 UJ*	*1.1 U*	*1.1 U*
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	5.2 U	5 U	5.4 UJ	4.9 UJ	5.5 UJ	5.4 UJ	5.3 U	5.6 UJ
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NV	NV	NV	NV	NV	42 U	40 U	43 UJ	39 U	44 UJ	43 UJ	42 U	44 U
Pronamide	23950-58-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	10 U	5 U	5.4 UJ	9.8 U	11 UJ	11 UJ	11 U	11 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1.1 UJ*	*0.98 U*	*1.1 UJ*	*1.1 UJ*	*1.1 U*	*1.1 UJ*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	*21 U*	20 U	*22 UJ*	20 U	*22 UJ*	*22 UJ*	*21 U*	*22 UJ*
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	*10 U*	NR	NR	NR	NR	NR	*11 U*	*11 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*5.2 U*	*5 U*	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.4 UJ*	*5.3 U*	*5.6 U*
General Chemistry																		
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*10 U*	NR	NR	NR	NR	NR	NR	*10 U*
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	NR	NR
Total Metals																		
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	**30**	*30 U*	*30 U*	*30 U*	*30 U*	*30 U*	*30 U*	*2 U*
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	19	67	30	25	37	37	37	35
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	1 U	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	1 U
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	1.5 U	10 U	10 U	10 U	10 U	10 U	10 U	1.5 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	0.5 U	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	0.5 U
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	**21**	NR	NR	NR	NR	NR	*15 U*	*15 U*
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	1 U	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	1 U
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	*2 U*	*40 U*	*40 U*	*40 U*	*40 U*	*40 U*	*40 U*	*2 U*
Polychlorinated Biphenyls (PCBs)																		
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	*0.52 U*	*0.52 U*	*0.54 U*	*0.5 U*	*0.53 U*	*0.54 U*	*0.53 U*	*0.56 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	*0.52 U*	*0.52 U*	*0.54 U*	*0.5 U*	*0.53 U*	*0.54 U*	*0.53 U*	*0.56 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	*0.52 U*	*0.52 U*	*0.54 U*	*0.5 U*	*0.53 U*	*0.54 U*	*0.53 U*	*0.56 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	*0.52 U*	*0.52 U*	*0.54 U*	*0.5 U*	*0.53 U*	*0.54 U*	*0.53 U*	*0.56 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	*0.52 U*	*0.52 U*	*0.54 U*	*0.5 U*	*0.53 U*	*0.54 U*	*0.53 U*	*0.56 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	*0.52 U*	*0.52 U*	*0.54 U*	*0.5 U*	*0.53 U*	*0.54 U*	*0.53 U*	*0.56 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	*0.52 U*	*0.52 U*	*0.54 U*	*0.5 U*	*0.53 U*	*0.54 U*	*0.53 U*	*0.56 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	*0.52 U*	*0.52 U*	*0.54 U*	0.5 U	*0.53 U*	*0.54 U*	*0.53 U*	*0.56 U*
Volatile Organic Compounds (VOCS)																		
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*

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Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW01R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R
										Sample Date	9/18/2012	4/22/2009	9/22/2009	3/11/2010	9/21/2010	9/21/2010	3/21/2011	9/13/2011
										Lab Sample ID	510-83681-1	510-39250-7	510-44820-3	510-50340-1	510-57050-5	510-57050-4	510-63407-1	510-69947-6
										Sample Type	TRG	TRG	TRG	TRG	TRG	FD	TRG	TRG
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 U	20 U	20 UJ	20 U	20 U	20 U	20 U	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 U*	*100 U*	*100 UJ*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 U*	*20 U*	*20 UJ*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*0.5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*0.5 U*	*0.5 U*
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	0.5 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	NR	100 U	100 UJ	100 U	100 U	100 U	100 U	100 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	5 U	2 U	2 U	2 U	2 U	2 U	2 U	5 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 U*	*2.5 U*	*10 UJ*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	20 U	20 UJ	20 U	20 U	20 U	20 U	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	0.5 U	1.1	1 U	1 U	1 U	1 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*10 U*	*2.5 U*	*10 UJ*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*0.5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*0.5 U*	*0.5 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	2 U	5 U	5 U	5 U	5 U	5 U	2 U	2 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*0.5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*0.5 U*	*0.5 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	1 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW02R	CAMU-MW02R	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04
										Sample Date	3/22/2012	9/19/2012	4/24/2009	4/24/2009	4/24/2009	4/24/2009	9/22/2009	9/22/2009	3/10/2010
										Lab Sample ID	510-76942-7	510-83734-1	510-39303-1	510-39303-2	510-39303-3	510-39303-4	510-44820-4	510-44820-5	510-50310-9
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	FD	TRG
Semi-Volatile Organic Compounds (SVOCs)																			
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*5.1 U*	*5.1 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*2 U*	*2 U*	NR	*2 U*	NR	NR	*2.2 UJ*	*2.2 UJ*	*2 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	2 U	2 U	NR	2 U	NR	NR	2.2 UJ	2.2 UJ	2 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	5.1 U	5.1 UJ	NR	5.1 U	NR	NR	5.4 UJ	5.4 UJ	4.9 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	2 U	2 U	NR	2 U	NR	NR	2.2 UJ	2.2 UJ	2 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*2 U*	*2 U*	NR	*2 U*	NR	NR	*2.2 UJ*	*2.2 UJ*	*2 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*20 U*	*20 U*	NR	*20 U*	NR	NR	*22 UJ*	*22 UJ*	*20 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	10 U	NR	10 U	NR	NR	11 UJ	11 UJ	9.8 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	10 U	NR	5.1 U	NR	NR	5.4 UJ	5.4 UJ	9.8 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	5.1 U	5.1 U	NR	5.1 U	NR	NR	5.4 UJ	5.4 UJ	4.9 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*10 U*	*10 U*	NR	*10 U*	NR	NR	*11 UJ*	*11 UJ*	*9.8 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*5.1 U*	*5.1 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	10 U	10 U	NR	10 U	NR	NR	11 UJ	11 UJ	9.8 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	10 U	10 U	NR	10 U	NR	NR	11 UJ	11 UJ	9.8 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	*20 U*	*20 U*	NR	*20 U*	NR	NR	*22 UJ*	*22 UJ*	*20 U*
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*1 U*	*1 U*	NR	*1 U*	NR	NR	*1.1 UJ*	*1.1 UJ*	*0.98 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*5.1 U*	*5.1 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*0.51 U*	*0.51 U*	NR	*0.51 U*	NR	NR	*0.54 UJ*	*0.54 UJ*	*0.49 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*5.1 U*	*5.1 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*2 U*	*2 U*	NR	*2 U*	NR	NR	*2.2 UJ*	*2.2 UJ*	*2 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	5.1 U	5.1 U	NR	5.1 U	NR	NR	5.4 UJ	5.4 UJ	4.9 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	0.51 U	0.51 U	NR	0.51 U	NR	NR	0.54 UJ	0.54 UJ	0.49 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	2 U	2 U	NR	2 U	NR	NR	2.2 UJ	2.2 UJ	2 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*10 U*	*10 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*9.8 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	5.1 U	5.1 U	NR	5.1 U	NR	NR	5.4 UJ	5.4 UJ	4.9 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	10 U	10 U	NR	10 U	NR	NR	11 UJ	11 UJ	9.8 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	10 U	NR	10 U	NR	NR	11 UJ	11 UJ	9.8 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*10 U*	*10 U*	NR	*10 U*	NR	NR	*11 UJ*	*11 UJ*	*9.8 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2 U	2 U	NR	2 U	NR	NR	2.2 UJ	2.2 UJ	2 U
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*5.1 U*	*5.1 UJ*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	*20 U*	*20 UJ*	NR	*20 U*	NR	NR	*22 UJ*	*22 UJ*	*20 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*5.1 U*	*5.1 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	10 U	NR	10 U	NR	NR	11 UJ	11 UJ	9.8 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*20 U*	*20 U*	NR	*20 U*	NR	NR	*22 UJ*	*22 UJ*	*20 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*10 U*	*10 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*9.8 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*5.1 U*	*5.1 UJ*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	10 U	10 U	NR	10 U	NR	NR	11 UJ	11 UJ	9.8 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*10 U*	*10 U*	NR	*10 U*	NR	NR	*11 UJ*	*11 UJ*	*9.8 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.1 U	5.1 U	NR	5.1 U	NR	NR	5.4 UJ	5.4 UJ	4.9 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*10 U*	*10 U*	NR	*10 U*	NR	NR	*11 UJ*	*11 UJ*	*9.8 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	20 U	20 U	NR	20 U	NR	NR	22 UJ	22 UJ	20 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	NR	NR	20 U	NR	NR	22 UJ	22 UJ	20 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	5.1 U	5.1 U	NR	5.1 U	NR	NR	5.4 UJ	5.4 UJ	4.9 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*5.1 U*	*5.1 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	41 U	41 UJ	NR	41 U	NR	NR	43 UJ	43 UJ	39 U
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	1 U	1 UJ	NR	1 U	NR	NR	1.1 UJ	1.1 UJ	0.98 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	1 U	1 U	NR	1 U	NR	NR	1.1 UJ	1.1 UJ	0.98 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	5.1 U	5.1 U	NR	5.1 U	NR	NR	5.4 UJ	5.4 UJ	4.9 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*20 U*	*20 U*	NR	*20 U*	NR	NR	*22 UJ*	*22 UJ*	*20 U*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	NR	*1 U*	NR	NR	*1.1 UJ*	*1.1 UJ*	*0.98 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW02R	CAMU-MW02R	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04
										Sample Date	3/22/2012	9/19/2012	4/24/2009	4/24/2009	4/24/2009	4/24/2009	9/22/2009	9/22/2009	3/10/2010
										Lab Sample ID	510-76942-7	510-83734-1	510-39303-1	510-39303-2	510-39303-3	510-39303-4	510-44820-4	510-44820-5	510-50310-9
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	FD	TRG
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*5.1 U*	*5.1 UJ*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*0.2 U*	*0.2 UJ*	NR	*0.2 U*	NR	NR	*0.22 UJ*	*0.22 UJ*	*0.2 U*
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*0.2 U*	*0.2 U*	NR	*0.2 U*	NR	NR	*0.22 UJ*	*0.22 UJ*	*0.2 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*0.2 U*	*0.2 U*	NR	*0.2 U*	NR	NR	*0.22 UJ*	*0.22 UJ*	*0.2 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	1 U	1 U	NR	1 U	NR	NR	1.1 UJ	1.1 UJ	0.98 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.2 U	0.2 UJ	NR	0.2 U	NR	NR	0.22 UJ	0.22 UJ	0.2 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	*20 U*	*20 U*	NR	*20 U*	NR	NR	*22 UJ*	*22 UJ*	*20 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	2 U	2 UJ	NR	2 U	NR	NR	NR	NR	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	2 U	2 U	NR	2 U	NR	NR	2.2 UJ	2.2 UJ	2 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*2 U*	*2 U*	NR	*2 U*	NR	NR	*2.2 UJ*	*2.2 UJ*	*2 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*10 U*	*10 U*	NR	*10 U*	NR	NR	*11 UJ*	*11 UJ*	*9.8 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	2 U	2 UJ	NR	2 U	NR	NR	2.2 UJ	2.2 UJ	2 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.1 U	5.1 UJ	NR	NR	NR	NR	NR	NR	4.9 U
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*5.1 U*	*5.1 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.51 U	0.51 UJ	NR	0.51 U	NR	NR	0.54 UJ	0.54 UJ	0.49 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*5.1 U*	*5.1 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*0.31 U*	*0.31 U*	NR	*0.31 U*	NR	NR	*0.32 UJ*	*0.32 UJ*	*0.29 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	2 U	2 U	NR	2 U	NR	NR	2.2 UJ	2.2 UJ	2 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	2 U	2 U	NR	2 U	NR	NR	2.2 UJ	2.2 UJ	2 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	2 U	2 UJ	NR	2 U	NR	NR	2.2 UJ	2.2 UJ	2 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	5.1 U	5.1 U	NR	5.1 U	NR	NR	5.4 UJ	5.4 UJ	4.9 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	10 U	10 U	NR	10 U	NR	NR	11 UJ	11 UJ	9.8 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	5.1 U	5.1 U	NR	5.1 U	NR	NR	5.4 UJ	5.4 UJ	4.9 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.1 U	5.1 U	NR	5.1 U	NR	NR	5.4 UJ	5.4 UJ	4.9 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	1 U	1 U	NR	1 U	NR	NR	1.1 UJ	1.1 UJ	0.98 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	1 U	1 UJ	NR	1 U	NR	NR	1.1 UJ	1.1 UJ	0.98 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*0.51 U*	*0.51 UJ*	NR	*0.51 U*	NR	NR	*0.54 UJ*	*0.54 UJ*	*0.49 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*5.1 U*	*5.1 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*20 U*	*20 U*	NR	*20 U*	NR	NR	*22 UJ*	*22 UJ*	*20 U*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*5.1 U*	*5.1 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*100 U*	*100 U*	NR	*100 U*	NR	NR	*110 UJ*	*110 UJ*	*98 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	20 U	NR	20 U	NR	NR	22 UJ	22 UJ	20 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*0.2 U*	*0.2 U*	NR	*0.2 U*	NR	NR	*0.22 UJ*	*0.22 UJ*	*0.2 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	2 U	2 U	NR	2 U	NR	NR	2.2 UJ	2.2 UJ	2 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.1 U	5.1 U	NR	5.1 U	NR	NR	5.4 UJ	5.4 UJ	4.9 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*5.1 U*	*5.1 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	41 U	41 UJ	NR	41 U	NR	NR	43 UJ	43 UJ	39 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*5.1 U*	*5.1 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*1 U*	*1 U*	NR	*1 U*	NR	NR	*1.1 UJ*	*1.1 UJ*	*0.98 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*1 U*	*1 U*	NR	*1 U*	NR	NR	*1.1 UJ*	*1.1 UJ*	*0.98 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*5.1 U*	*5.1 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*10 U*	*10 UJ*	NR	*10 U*	NR	NR	*11 UJ*	*11 UJ*	*9.8 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*5.1 U*	*5.1 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*0.51 U*	*0.51 U*	NR	*0.51 U*	NR	NR	*0.54 UJ*	*0.54 UJ*	*0.49 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	1 U	1 UJ	NR	1 U	NR	NR	1.1 UJ	1.1 UJ	0.98 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*5.1 U*	*5.1 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*5.1 U*	*5.1 UJ*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.1 U	5.1 U	NR	5.1 U	NR	NR	5.4 UJ	5.4 UJ	4.9 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*5.1 U*	*5.1 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.1 U	5.1 U	NR	5.1 U	NR	NR	5.4 UJ	5.4 UJ	4.9 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*5.1 U*	*5.1 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW02R	CAMU-MW02R	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04
										Sample Date	3/22/2012	9/19/2012	4/24/2009	4/24/2009	4/24/2009	4/24/2009	9/22/2009	9/22/2009	3/10/2010
										Lab Sample ID	510-76942-7	510-83734-1	510-39303-1	510-39303-2	510-39303-3	510-39303-4	510-44820-4	510-44820-5	510-50310-9
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	FD	TRG
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*5.1 U*	*5.1 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 UJ*	*10 UJ*	NR	NR	NR	NR	NR	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*5.1 U*	*5.1 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*20 U*	*20 UJ*	NR	*20 U*	NR	NR	*22 UJ*	*22 UJ*	*20 U*
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	5.1 U	5.1 U	NR	5.1 U	NR	NR	5.4 UJ	5.4 UJ	4.9 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	*1 U*	*1 U*	NR	*1 U*	NR	NR	*1.1 UJ*	*1.1 UJ*	*0.98 U*
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	5.1 U	5.1 U	NR	5.1 U	NR	NR	5.4 UJ	5.4 UJ	4.9 U
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NV	NV	NV	NV	NV	41 U	41 U	NR	41 U	NR	NR	43 UJ	43 UJ	39 U
Pronamide	23950-58-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	10 U	10 U	NR	5.1 U	NR	NR	5.4 UJ	5.4 UJ	9.8 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	NR	*1 U*	NR	NR	*1.1 UJ*	*1.1 UJ*	*0.98 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	20 U	20 UJ	NR	20 U	NR	NR	*22 UJ*	*22 UJ*	20 U
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	*10 U*	*10 UJ*	NR	NR	NR	NR	NR	NR	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*5.1 U*	*5.1 U*	NR	*5.1 U*	NR	NR	*5.4 UJ*	*5.4 UJ*	*4.9 U*
General Chemistry																			
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*10 U*	*10 U*	NR	NR	NR	NR	NR	NR	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Metals																			
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	*2 U*	*2 U*	NR	NR	*30 U*	NR	*30 U*	*30 U*	*30 U*
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	29	32	NR	NR	30	NR	36	36	37
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	1 U	1 U	NR	NR	*10 U*	NR	*10 U*	*10 U*	*10 U*
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	1.5 U	1.5 U	NR	NR	10 U	NR	10 U	10 U	10 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	0.5 U	0.5 U	NR	NR	*50 U*	NR	*50 U*	*50 U*	*50 U*
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	*15 U*	*15 U*	NR	NR	NR	NR	NR	NR	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	0.2 U	0.2 U	NR	NR	0.2 U	NR	0.2 U	0.2 U	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	1 U	1 U	NR	NR	*20 U*	NR	*20 U*	*20 U*	*20 U*
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	*2 U*	*2 U*	NR	NR	*40 U*	NR	*40 U*	*40 U*	*40 U*
Polychlorinated Biphenyls (PCBs)																			
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	*0.52 U*	*0.54 U*	NR	NR	NR	*0.51 U*	*0.53 U*	*0.54 U*	*0.5 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	*0.52 U*	*0.54 U*	NR	NR	NR	*0.51 U*	*0.53 U*	*0.54 U*	*0.5 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	*0.52 U*	*0.54 U*	NR	NR	NR	*0.51 U*	*0.53 U*	*0.54 U*	*0.5 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	*0.52 U*	*0.54 U*	NR	NR	NR	*0.51 U*	*0.53 U*	*0.54 U*	*0.5 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	*0.52 U*	*0.54 U*	NR	NR	NR	*0.51 U*	*0.53 U*	*0.54 U*	*0.5 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	*0.52 U*	*0.54 U*	NR	NR	NR	*0.51 U*	*0.53 U*	*0.54 U*	*0.5 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	*0.52 U*	*0.54 U*	NR	NR	NR	*0.51 U*	*0.53 U*	*0.54 U*	*0.5 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	*0.52 U*	*0.54 U*	NR	NR	NR	*0.51 U*	*0.53 U*	*0.54 U*	0.5 U
Volatile Organic Compounds (VOCS)																			
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*2 U*	*2 UJ*	*2 U*	NR	NR	NR	*2 U*	*2 U*	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U	5 U	5 U	NR	NR	NR	5 U	5 U	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 UJ*	*1 UJ*	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U	5 U	5 U	NR	NR	NR	5 U	5 U	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	*2.5 U*	NR	NR	NR	*2.5 UJ*	*2.5 UJ*	*2.5 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW02R	CAMU-MW02R	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04
										Sample Date	3/22/2012	9/19/2012	4/24/2009	4/24/2009	4/24/2009	4/24/2009	9/22/2009	9/22/2009	3/10/2010
										Lab Sample ID	510-76942-7	510-83734-1	510-39303-1	510-39303-2	510-39303-3	510-39303-4	510-44820-4	510-44820-5	510-50310-9
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	FD	TRG
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 U	5 U	5 U	NR	NR	NR	5 U	5 U	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	5 U	5 U	5 U	NR	NR	NR	5 U	5 U	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 U	R	20 U	NR	NR	NR	20 UJ	20 UJ	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 U*	R	*100 U*	NR	NR	NR	*100 UJ*	*100 UJ*	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 U*	*20 U*	*20 U*	NR	NR	NR	*20 UJ*	*20 UJ*	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	NR	NR	NR	1 U	1 U	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 U	5 U	5 U	NR	NR	NR	5 U	5 U	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	NR	NR	NR	1 U	1 U	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	NR	NR	NR	2.5 UJ	2.5 UJ	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	0.5 U	0.5 U	1 U	NR	NR	NR	1 U	1 U	1 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	NR	NR	NR	2.5 U	2.5 U	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	100 U	NR	100 U	NR	NR	NR	100 UJ	100 UJ	100 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 U*	*2.5 UJ*	*2.5 U*	NR	NR	NR	*2.5 UJ*	*2.5 UJ*	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 U	2.5 UJ	2.5 U	NR	NR	NR	2.5 UJ	2.5 UJ	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	5 U	5 U	2 U	NR	NR	NR	2 U	2 U	2 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 U*	*10 U*	*2.5 U*	NR	NR	NR	*10 UJ*	*10 UJ*	*10 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	20 U	20 U	NR	NR	NR	20 UJ	20 UJ	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	0.5 U	0.5 U	1 U	NR	NR	NR	1 U	1 U	1 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*10 U*	*10 U*	*2.5 U*	NR	NR	NR	*10 UJ*	*10 UJ*	*10 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*1 U*	*0.5 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	2 U	2 UJ	5 U	NR	NR	NR	5 U	5 U	5 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	1 U	1 U	2 U	NR	NR	NR	2 U	2 U	2 U

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										Sample Date	9/21/2010	3/21/2011	9/13/2011	3/22/2012	9/19/2012	9/19/2012	4/23/2009	4/23/2009	9/23/2009
										Lab Sample ID	510-57050-6	510-63407-2	510-69947-7	510-76942-8	510-83734-2	510-83734-4	510-39296-6	510-39296-9	510-44875-3
										Sample Type	TRG	TRG	TRG	TRG	TRG	FD	TRG	FD	TRG
Semi-Volatile Organic Compounds (SVOCs)																			
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 UJ*	*5 U*	*5.3 U*	*5 U*	*5 U*	*5 U*	*5.2 UJ*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*2.1 UJ*	*2.2 U*	*2.1 UJ*	*2 U*	*2.1 U*	*2 U*	*2 UJ*	*2 UJ*	*2.1 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	2.1 UJ	2.2 U	2.1 UJ	2 U	2.1 U	2 U	2 UJ	2 UJ	2.1 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	5.3 UJ	5.4 U	5.2 U	5 U	5.3 UJ	5 UJ	5 U	5 U	5.2 UJ
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	2.1 UJ	2.2 U	2.1 UJ	2 U	2.1 U	2 U	2 UJ	2 UJ	2.1 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*2.1 UJ*	*2.2 U*	*2.1 UJ*	*2 U*	*2.1 U*	*2 U*	*2 UJ*	*2 UJ*	*2.1 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*21 UJ*	*22 U*	*21 UJ*	*20 U*	*21 U*	*20 U*	*20 U*	*20 U*	*21 UJ*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 UJ	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 UJ
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 UJ	11 U	10 U	10 U	11 U	10 U	5 U	5 U	5.2 UJ
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	5.3 UJ	5.4 U	5.2 U	5 U	5.3 U	5 U	5 U	5 U	5.2 UJ
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*11 UJ*	*11 U*	*10 U*	*10 U*	*11 U*	*10 U*	*10 U*	*10 U*	*10 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 U*	*5 U*	*5.3 U*	*5 U*	*5 U*	*5 U*	*5.2 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	11 UJ	11 U	10 UJ	10 U	11 U	10 U	10 UJ	10 UJ	10 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	11 UJ	11 U	10 UJ	10 U	11 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	*21 UJ*	*22 U*	*21 U*	*20 U*	*21 U*	*20 U*	*20 U*	*20 U*	*21 U*
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*1.1 UJ*	*1.1 U*	*1 U*	*1 U*	*1.1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 UJ*	*5 U*	*5.3 U*	*5 U*	*5 U*	*5 U*	*5.2 UJ*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*0.53 UJ*	*0.54 U*	*0.52 U*	*0.5 U*	*0.53 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.52 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 U*	*5 U*	*5.3 U*	*5 U*	*5 U*	*5 U*	*5.2 UJ*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*2.1 UJ*	*2.2 U*	*2.1 UJ*	*2 U*	*2.1 U*	*2 U*	*2 U*	*2 U*	*2.1 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	5.3 UJ	5.4 U	5.2 UJ	5 U	5.3 U	5 U	5 UJ	5 UJ	5.2 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	0.53 UJ	0.54 U	0.52 UJ	5 U	0.53 U	0.5 U	0.5 UJ	0.5 UJ	0.52 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	2.1 UJ	2.2 U	2.1 UJ	2 U	2.1 U	2 U	2 UJ	2 UJ	2.1 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*11 UJ*	*11 U*	*10 U*	*10 U*	*11 U*	*10 U*	*5 U*	*5 U*	*5.2 UJ*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	5.3 UJ	5.4 U	5.2 U	5 U	5.3 U	5 U	5 U	5 U	5.2 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	11 UJ	11 U	10 UJ	10 U	11 U	10 U	10 UJ	10 UJ	10 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 UJ	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 UJ
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*11 UJ*	*11 U*	*10 U*	*10 U*	*11 U*	*10 U*	*10 U*	*10 U*	*10 UJ*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.1 UJ	2.2 U	2.1 UJ	2 U	2.1 U	2 U	2 U	2 U	2.1 U
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 UJ*	*5 U*	*5.3 UJ*	*5 UJ*	*5 UJ*	*5 UJ*	*5.2 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	*21 UJ*	*22 U*	*21 UJ*	*20 U*	*21 UJ*	*20 UJ*	R	R	*21 UJ*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 U*	*5 U*	*5.3 U*	*5 U*	*5 UJ*	*5 UJ*	*5.2 UJ*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 UJ	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*21 UJ*	*22 U*	*21 U*	*20 U*	*21 U*	*20 U*	*20 U*	*20 U*	*21 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*11 UJ*	*11 U*	*10 U*	*10 U*	*11 U*	*10 U*	*5 U*	*5 U*	*5.2 UJ*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 U*	*5 U*	*5.3 UJ*	*5 UJ*	*5 U*	*5 U*	*5.2 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	11 UJ	11 UJ	10 UJ	10 U	11 U	10 U	10 U	10 U	10 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*11 UJ*	*11 U*	*10 U*	*10 U*	*11 U*	*10 U*	*10 UJ*	*10 UJ*	*10 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 UJ	5.4 U	5.2 UJ	5 U	5.3 U	5 U	5 U	5 U	5.2 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*11 UJ*	*11 U*	*10 U*	*10 U*	*11 U*	*10 U*	*10 U*	*10 U*	*10 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	21 UJ	22 U	21 U	20 U	21 U	20 U	20 U	20 U	21 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	21 UJ	22 U	21 U	20 U	NR	NR	20 U	20 U	21 UJ
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	5.3 UJ	5.4 U	5.2 U	5 U	5.3 U	5 U	5 U	5 U	5.2 UJ
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 U*	*5 U*	*5.3 U*	*5 U*	*5 UJ*	*5 UJ*	*5.2 UJ*
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	42 UJ	43 U	41 U	40 U	42 UJ	40 UJ	40 U	40 U	41 UJ
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	1.1 UJ	1.1 U	1 U	1 U	1.1 UJ	1 UJ	1 U	1 U	1 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	1.1 UJ	1.1 U	1 UJ	1 U	1.1 U	1 U	1 U	1 U	1 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	5.3 UJ	5.4 U	5.2 UJ	5 U	5.3 U	5 U	5 U	5 U	5.2 UJ
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*21 UJ*	*22 U*	*21 UJ*	*20 U*	*21 U*	*20 U*	*20 UJ*	*20 UJ*	*21 U*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*1.1 UJ*	*1.1 U*	*1 UJ*	*1 U*	*1.1 UJ*	*1 UJ*	*1 U*	*1 U*	*1 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW05	CAMU-MW05	CAMU-MW05
										Sample Date	9/21/2010	3/21/2011	9/13/2011	3/22/2012	9/19/2012	9/19/2012	4/23/2009	4/23/2009	9/23/2009
										Lab Sample ID	510-57050-6	510-63407-2	510-69947-7	510-76942-8	510-83734-2	510-83734-4	510-39296-6	510-39296-9	510-44875-3
										Sample Type	TRG	TRG	TRG	TRG	TRG	FD	TRG	FD	TRG
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 U*	*5 U*	*5.3 UJ*	*5 UJ*	*5 U*	*5 U*	*5.2 UJ*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*0.21 UJ*	*0.22 U*	*0.21 U*	*0.2 U*	*0.21 UJ*	*0.2 UJ*	*0.2 U*	*0.2 U*	*0.21 U*
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*0.21 UJ*	*0.22 U*	*0.21 U*	*0.2 U*	*0.21 U*	*0.2 U*	*0.2 UJ*	*0.2 UJ*	*0.21 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*0.21 UJ*	*0.22 U*	*0.21 UJ*	*0.2 U*	*0.21 U*	*0.2 U*	*0.2 UJ*	*0.2 UJ*	*0.21 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	1.1 UJ	1.1 U	1 U	1 U	1.1 U	1 U	1 UJ	1 UJ	1 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.21 UJ	0.22 U	0.21 UJ	0.2 U	0.21 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.21 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	*21 UJ*	*22 U*	*21 UJ*	*20 U*	*21 U*	*20 U*	*20 UJ*	*20 UJ*	*21 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	2.1 UJ	2.2 U	2.1 UJ	2 U	2.1 UJ	2 UJ	NR	NR	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	2.1 UJ	2.2 U	2.1 UJ	2 U	2.1 U	2 U	2 UJ	2 UJ	2.1 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*2.1 UJ*	*2.2 U*	*2.1 UJ*	*2 U*	*2.1 U*	*2 U*	*2 UJ*	*2 UJ*	*2.1 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*11 UJ*	*11 U*	*10 U*	*10 U*	*11 U*	*10 U*	*10 U*	*10 U*	*10 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	2.1 UJ	2.2 U	2.1 UJ	2 U	2.1 UJ	2 UJ	2 U	2 U	2.1 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 UJ	5.4 U	5.2 UJ	5 U	5.3 UJ	5 UJ	NR	NR	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 U*	*5 U*	*5.3 U*	*5 U*	*5 U*	*5 U*	*5.2 UJ*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.53 UJ	0.54 U	0.52 UJ	0.5 U	0.53 UJ	0.5 UJ	0.5 U	0.5 U	0.52 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 U*	*5 U*	*5.3 U*	*5 U*	*5 U*	*5 U*	*5.2 UJ*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*0.32 UJ*	*0.33 U*	*0.31 UJ*	*0.3 U*	*0.32 U*	*0.3 U*	*0.3 UJ*	*0.3 UJ*	*0.31 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	2.1 UJ	2.2 U	2.1 UJ	2 U	2.1 U	2 U	2 U	2 U	2.1 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	2.1 UJ	2.2 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2.1 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	2.1 UJ	2.2 U	2.1 U	2 U	2.1 UJ	2 UJ	2 U	2 U	2.1 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	5.3 UJ	5.4 U	5.2 UJ	5 U	5.3 U	5 U	5 U	5 U	5.2 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	11 UJ	11 U	10 UJ	10 U	11 U	10 U	10 UJ	10 UJ	10 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	5.3 UJ	5.4 U	5.2 U	5 U	5.3 U	5 U	5 U	5 U	5.2 UJ
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 UJ	5.4 U	5.2 U	5 U	5.3 U	5 U	5 U	5 U	5.2 UJ
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	1.1 UJ	1.1 U	1 UJ	1 U	1.1 U	1 U	1 U	1 U	1 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	1.1 UJ	1.1 U	1 U	1 U	1.1 UJ	1 UJ	1 U	1 U	1 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*0.53 UJ*	*0.54 U*	*0.52 U*	*0.5 U*	*0.53 UJ*	*0.5 UJ*	*0.5 U*	*0.5 U*	*0.52 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 UJ*	*5 U*	*5.3 U*	*5 U*	*5 UJ*	*5 UJ*	*5.2 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*21 UJ*	*22 U*	*21 UJ*	*20 U*	*21 U*	*20 U*	*20 UJ*	*20 UJ*	*21 U*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 UJ*	*5 U*	*5.3 U*	*5 U*	*5 UJ*	*5 UJ*	*5.2 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*110 UJ*	*110 U*	*100 U*	*100 U*	*110 U*	*100 U*	*100 U*	*100 U*	*100 UJ*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	21 UJ	22 UJ	21 UJ	20 U	21 U	20 U	20 U	20 U	21 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*0.21 UJ*	*0.22 U*	*0.21 UJ*	*0.2 U*	*0.21 U*	*0.2 U*	*0.2 UJ*	*0.2 UJ*	*0.21 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	2.1 UJ	2.2 U	2.1 UJ	2 U	2.1 U	2 U	2 U	2 U	2.1 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 UJ	5.4 U	5.2 U	5 U	5.3 U	5 U	5 U	5 U	5.2 UJ
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 U*	*5 U*	*5.3 U*	*5 U*	*5 U*	*5 U*	*5.2 UJ*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	42 UJ	43 U	41 U	40 U	42 UJ	40 UJ	40 U	40 U	41 UJ
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 U*	*5 U*	*5.3 U*	*5 U*	*5 U*	*5 U*	*5.2 UJ*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*1.1 UJ*	*1.1 U*	*1 UJ*	*1 U*	*1.1 U*	*1 U*	*1 UJ*	*1 UJ*	*1 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*1.1 UJ*	*1.1 U*	*1 UJ*	*1 U*	*1.1 U*	*1 U*	*1 UJ*	*1 UJ*	*1 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 UJ*	*5 U*	*5.3 U*	*5 U*	*5 U*	*5 U*	*5.2 UJ*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*11 UJ*	*11 U*	*10 UJ*	*10 U*	*11 UJ*	*10 UJ*	*10 U*	*10 U*	*10 UJ*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 UJ*	*5 U*	*5.3 U*	*5 U*	*5 U*	*5 U*	*5.2 UJ*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*0.53 UJ*	*0.54 U*	*0.52 UJ*	*0.5 U*	*0.53 U*	*0.5 U*	*0.5 UJ*	*0.5 UJ*	*0.52 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	1.1 UJ	1.1 U	1 UJ	1 U	1.1 UJ	1 UJ	1 U	1 U	1 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 UJ*	*5 U*	*5.3 U*	*5 U*	*5 U*	*5 U*	*5.2 UJ*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 U*	*5 U*	*5.3 UJ*	*5 UJ*	*5 U*	*5 U*	*5.2 UJ*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 UJ	5.4 U	5.2 UJ	5 U	5.3 U	5 U	5 U	5 U	5.2 UJ
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 UJ*	*5 U*	*5.3 U*	*5 U*	*5 U*	*5 U*	*5.2 UJ*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 UJ	5.4 U	5.2 U	5 U	5.3 U	5 U	5 U	5 U	5.2 UJ
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 U*	*5 U*	*5.3 U*	*5 U*	*5 U*	*5 U*	*5.2 UJ*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW05	CAMU-MW05	CAMU-MW05
										Sample Date	9/21/2010	3/21/2011	9/13/2011	3/22/2012	9/19/2012	9/19/2012	4/23/2009	4/23/2009	9/23/2009
										Lab Sample ID	510-57050-6	510-63407-2	510-69947-7	510-76942-8	510-83734-2	510-83734-4	510-39296-6	510-39296-9	510-44875-3
										Sample Type	TRG	TRG	TRG	TRG	TRG	FD	TRG	FD	TRG
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 UJ*	*5 U*	*5.3 U*	*5 U*	*5 U*	*5 U*	*5.2 UJ*
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*11 UJ*	*11 UJ*	*10 UJ*	*10 UJ*	*11 UJ*	*10 UJ*	NR	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 U*	*5 U*	*5.3 U*	*5 U*	*5 U*	*5 U*	*5.2 UJ*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*21 UJ*	*22 U*	*21 U*	*20 U*	*21 UJ*	*20 UJ*	*20 U*	*20 U*	*21 U*
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	5.3 UJ	5.4 U	5.2 U	5 U	5.3 U	5 U	5 U	5 U	5.2 UJ
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	*1.1 UJ*	*1.1 U*	*1 U*	*1 U*	*1.1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	5.3 UJ	5.4 U	5.2 UJ	5 U	5.3 U	5 U	5 UJ	5 UJ	5.2 U
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NV	NV	NV	NV	NV	42 UJ	43 U	41 U	40 U	42 U	40 U	40 U	40 U	41 UJ
Pronamide	23950-58-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	11 UJ	11 U	10 U	10 U	11 U	10 U	5 U	5 U	5.2 UJ
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*1.1 UJ*	*1.1 U*	*1 UJ*	*1 U*	*1.1 UJ*	*1 UJ*	*1 U*	*1 U*	*1 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	*21 UJ*	*22 U*	*21 UJ*	20 U	*21 UJ*	20 UJ	R	R	*21 UJ*
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	NR	*11 U*	*10 U*	*10 U*	*11 UJ*	*10 UJ*	NR	NR	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*5.3 UJ*	*5.4 U*	*5.2 U*	*5 U*	*5.3 U*	*5 U*	*5 U*	*5 U*	*5.2 UJ*
General Chemistry																			
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	*10 U*	*10 U*	*10 U*	*10 U*	NR	NR	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Metals																			
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	*30 U*	*30 U*	*2 UJ*	*2 U*	*2 U*	*2 U*	*30 U*	*30 U*	*30 U*
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	46	37	43 J	42	80	78	71	67	58
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	*10 U*	*10 U*	1 UJ	1 U	1 U	1 U	*10 U*	*10 U*	*10 U*
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	10 U	10 U	1.5 UJ	1.5 U	1.5 U	1.5 U	10 U	10 U	10 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	*50 U*	*50 U*	0.5 UJ	0.5 U	0.5 U	0.5 U	*50 U*	*50 U*	*50 U*
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	NR	*15 U*	*15 UJ*	*15 U*	*15 U*	*15 U*	NR	NR	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	*20 U*	*20 U*	**5.1 J**	2.9	1 UJ	1.8 J	*20 U*	*20 U*	*20 U*
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	*40 U*	*40 U*	*2 UJ*	*2 U*	*2 U*	*2 U*	*40 U*	*40 U*	*40 U*
Polychlorinated Biphenyls (PCBs)																			
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	*0.54 U*	*0.53 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.53 U*	*0.51 UJ*	*0.52 UJ*	*0.53 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	*0.54 U*	*0.53 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.53 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	*0.54 U*	*0.53 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.53 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	*0.54 U*	*0.53 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.53 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	*0.54 U*	*0.53 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.53 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	*0.54 U*	*0.53 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.53 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	*0.54 U*	*0.53 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.53 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	*0.54 U*	*0.53 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.53 U*
Volatile Organic Compounds (VOCS)																			
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*2 U*	*2 U*	*2 U*	*2 U*	*2 UJ*	*2 UJ*	*2 U*	*2 U*	*2 UJ*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	*1 U*	*1 U*	*1 UJ*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 UJ*

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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW05	CAMU-MW05	CAMU-MW05
										Sample Date	9/21/2010	3/21/2011	9/13/2011	3/22/2012	9/19/2012	9/19/2012	4/23/2009	4/23/2009	9/23/2009
										Lab Sample ID	510-57050-6	510-63407-2	510-69947-7	510-76942-8	510-83734-2	510-83734-4	510-39296-6	510-39296-9	510-44875-3
										Sample Type	TRG	TRG	TRG	TRG	TRG	FD	TRG	FD	TRG
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 U	20 U	20 U	20 U	R	R	20 U	20 U	20 UJ
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 U*	*100 U*	*100 U*	*100 U*	R	R	*100 U*	*100 U*	*100 UJ*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 UJ*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*1 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	*1 U*	*1 UJ*
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 UJ
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 UJ
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 UJ
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	100 U	100 U	100 U	100 U	NR	NR	100 U	100 U	100 UJ
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 UJ*	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 UJ*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 UJ
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	2 U	2 U	5 U	5 U	5 U	5 U	2 U	2 U	2 UJ
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*2.5 U*	*2.5 U*	*10 UJ*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UJ
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 UJ
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*2.5 U*	*2.5 U*	*10 UJ*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*1 U*	*0.5 U*	*0.5 U*	*1 U*	*0.5 U*	*0.5 U*	*1 U*	*1 U*	*1 UJ*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	5 U	2 U	2 U	2 U	2 UJ	2 UJ	5 U	5 U	5 UJ
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*1 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	*1 U*	*1 UJ*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	2 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 UJ

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW06R
										Sample Date	9/23/2009	3/11/2010	9/22/2010	3/23/2011	9/13/2011	3/21/2012	9/19/2012	9/19/2012	4/22/2009
										Lab Sample ID	510-44875-4	510-50340-2	510-57054-1	510-63501-1	510-69947-1	510-76890-5	510-83685-4	510-83685-6	510-39250-5
										Sample Type	FD	TRG	TRG	TRG	TRG	TRG	TRG	FD	TRG
Semi-Volatile Organic Compounds (SVOCs)																			
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.1 U*	*5.1 UJ*	*5.2 U*	*5 U*	*5 U*	*5 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*2 U*	*1.9 UJ*	*2.2 U*	*2 U*	*2 UJ*	*2.1 U*	*2 U*	*2 U*	*2 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	2 U	1.9 UJ	2.2 U	2 U	2 UJ	2.1 U	2 U	2 U	2 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	5.1 UJ	4.7 U	5.6 U	5.1 U	5.1 U	5.2 U	5 U	5 U	5 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	2 U	1.9 UJ	2.2 U	2 U	2 UJ	2.1 U	2 U	2 U	2 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*2 U*	*1.9 UJ*	*2.2 U*	*2 U*	*2 UJ*	*2.1 U*	*2 U*	*2 U*	*2 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*20 UJ*	*19 U*	*22 U*	*20 U*	*20 UJ*	*21 U*	*20 UJ*	*20 UJ*	*20 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 UJ	9.3 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.1 UJ	9.3 U	11 U	10 U	10 U	10 U	10 U	10 U	5 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	5.1 UJ	4.7 U	5.6 U	5.1 U	5.1 U	5.2 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*10 U*	*9.3 U*	*11 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*5.1 U*	*4.7 U*	*5.6 U*	*5.1 U*	*5.1 U*	*5.2 U*	*5 U*	*5 U*	*5 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	10 U	9.3 UJ	11 U	10 U	10 UJ	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	10 U	9.3 U	11 U	10 U	10 UJ	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	*20 U*	19 U	*22 U*	*20 U*	*20 U*	*21 U*	*20 UJ*	*20 UJ*	*20 U*
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*1 U*	*0.93 U*	*1.1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*5.1 UJ*	*4.7 UJ*	*5.6 U*	*5.1 U*	*5.1 UJ*	*5.2 U*	*5 U*	*5 U*	*5 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*0.51 U*	*0.47 U*	*0.56 U*	*0.51 U*	*0.51 U*	*0.52 U*	*0.5 U*	*0.5 U*	*0.5 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.1 U*	*5.1 U*	*5.2 U*	*5 U*	*5 U*	*5 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*2 U*	*1.9 U*	*2.2 U*	*2 U*	*2 UJ*	*2.1 U*	*2 U*	*2 U*	*2 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	5.1 U	4.7 UJ	5.6 U	5.1 UJ	5.1 UJ	5.2 U	5 U	5 U	5 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	0.51 U	0.47 UJ	0.56 U	0.51 U	0.51 UJ	0.52 U	0.5 U	0.5 U	0.5 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	2 U	1.9 UJ	2.2 U	2 U	2 UJ	2.1 U	2 U	2 U	2 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*5.1 UJ*	*9.3 U*	*11 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*5 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	5.1 U	4.7 U	5.6 U	5.1 U	5.1 U	5.2 U	5 U	5 U	5 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	10 U	9.3 UJ	11 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 UJ	9.3 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*10 UJ*	*9.3 U*	*11 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2 U	1.9 U	2.2 U	2 U	2 UJ	2.1 U	2 UJ	2 UJ	2 U
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*5.1 U*	*4.7 U*	*5.6 U*	*5.1 UJ*	*5.1 UJ*	*5.2 U*	*5 UJ*	*5 UJ*	*5 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	*20 UJ*	*19 U*	*22 U*	*20 U*	*20 UJ*	*21 U*	R	R	R
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.1 U*	*5.1 U*	*5.2 U*	*5 U*	*5 U*	*5 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	9.3 U	11 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*20 U*	*19 U*	*22 U*	*20 U*	*20 U*	*21 U*	*20 UJ*	*20 UJ*	*20 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*5.1 UJ*	*9.3 U*	*11 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*5 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*5.1 U*	*4.7 U*	*5.6 U*	*5.1 U*	*5.1 U*	*5.2 U*	*5 U*	*5 U*	*5 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	10 U	9.3 U	11 U	10 U	10 UJ	10 U	10 U	10 U	10 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*10 U*	*9.3 U*	*11 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.1 U	4.7 U	5.6 U	5.1 U	5.1 UJ	5.2 U	5 U	5 U	5 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*10 U*	*9.3 U*	*11 U*	*10 U*	*10 U*	*10 U*	*10 UJ*	*10 UJ*	*10 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	20 U	19 U	22 U	20 U	20 U	21 U	20 U	20 U	20 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 UJ	19 U	22 U	20 U	20 U	21 U	NR	NR	20 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	5.1 UJ	4.7 U	5.6 U	5.1 U	5.1 U	5.2 U	5 U	5 U	5 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.1 U*	*5.1 U*	*5.2 U*	*5 U*	*5 U*	*5 U*
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	41 UJ	37 U	44 U	41 U	41 U	41 U	40 U	40 U	40 U
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	1 U	0.93 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	1 U	0.93 U	1.1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	5.1 UJ	4.7 U	5.6 U	5.1 U	5.1 UJ	5.2 U	5 U	5 U	5 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*20 U*	*19 U*	*22 U*	*20 U*	*20 UJ*	*21 U*	*20 UJ*	*20 UJ*	*20 U*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*1 U*	*0.93 U*	*1.1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW06R
										Sample Date	9/23/2009	3/11/2010	9/22/2010	3/23/2011	9/13/2011	3/21/2012	9/19/2012	9/19/2012	4/22/2009
										Lab Sample ID	510-44875-4	510-50340-2	510-57054-1	510-63501-1	510-69947-1	510-76890-5	510-83685-4	510-83685-6	510-39250-5
										Sample Type	FD	TRG	TRG	TRG	TRG	TRG	TRG	FD	TRG
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.1 U*	*5.1 U*	*5.2 U*	*5 U*	*5 U*	*5 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*0.2 U*	*0.19 U*	*0.22 U*	*0.2 U*	*0.2 U*	*0.21 U*	*0.2 U*	*0.2 U*	*0.2 U*
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*0.2 U*	*0.19 U*	*0.22 U*	*0.2 U*	*0.2 U*	*0.21 U*	*0.2 U*	*0.2 U*	*0.2 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*0.2 U*	*0.19 U*	*0.22 U*	*0.2 U*	*0.2 UJ*	*0.21 U*	*0.2 U*	*0.2 U*	*0.2 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	1 U	0.93 U	1.1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.2 U	0.19 U	0.22 U	0.2 U	0.2 UJ	0.21 U	0.2 U	0.2 U	0.2 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	*20 U*	*19 UJ*	*22 U*	*20 U*	*20 UJ*	*21 U*	*20 U*	*20 U*	*20 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	NR	NR	2.2 U	2 U	2 UJ	2.1 U	2 U	2 U	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	2 U	1.9 UJ	2.2 U	2 UJ	2 UJ	2.1 U	2 U	2 U	2 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*2 U*	*1.9 U*	*2.2 U*	*2 U*	*2 UJ*	*2.1 U*	*2 U*	*2 U*	*2 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*10 U*	*9.3 U*	*11 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	2 U	1.9 U	2.2 U	2 U	2 UJ	2.1 U	2 U	2 U	2 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	4.7 U	5.6 U	5.1 U	5.1 UJ	5.2 U	5 U	5 U	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.1 U*	*5.1 U*	*5.2 U*	*5 U*	*5 U*	*5 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.51 U	0.47 U	0.56 U	0.51 U	0.51 UJ	0.52 U	0.5 U	0.5 U	0.5 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.1 U*	*5.1 U*	*5.2 U*	*5 U*	*5 U*	*5 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*0.31 U*	*0.28 U*	*0.33 U*	*0.31 U*	*0.31 UJ*	*0.31 U*	*0.3 U*	*0.3 U*	*0.3 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	2 U	1.9 U	2.2 U	2 U	2 UJ	2.1 U	2 U	2 U	2 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	2 U	1.9 U	2.2 U	2 U	2 U	2.1 U	2 U	2 U	2 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	2 U	1.9 U	2.2 U	2 U	2 U	2.1 U	2 U	2 U	2 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	5.1 U	4.7 U	5.6 U	5.1 U	5.1 UJ	5.2 U	5 UJ	5 UJ	5 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	10 U	9.3 U	11 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	5.1 UJ	4.7 U	5.6 U	5.1 U	5.1 U	5.2 U	5 U	5 U	5 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.1 UJ	4.7 U	5.6 U	5.1 U	5.1 U	5.2 U	5 U	5 U	5 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	1 U	0.93 U	1.1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	1 U	0.93 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*0.51 U*	*0.47 U*	*0.56 U*	*0.51 U*	*0.51 U*	*0.52 U*	*0.5 U*	*0.5 U*	*0.5 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*5.1 U*	*4.7 UJ*	*5.6 U*	*5.1 U*	*5.1 UJ*	*5.2 U*	*5 U*	*5 U*	*5 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*20 U*	*19 U*	*22 U*	*20 U*	*20 UJ*	*21 U*	*20 UJ*	*20 UJ*	*20 U*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*5.1 U*	*4.7 UJ*	*5.6 U*	*5.1 U*	*5.1 UJ*	*5.2 U*	*5 U*	*5 U*	*5 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*100 UJ*	*93 UJ*	*110 U*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	19 U	22 U	20 UJ	20 UJ	21 U	20 UJ	20 UJ	20 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*0.2 U*	*0.19 U*	*0.22 U*	*0.2 U*	*0.2 UJ*	*0.21 U*	*0.2 U*	*0.2 U*	*0.2 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	2 U	1.9 U	2.2 U	2 U	2 UJ	2.1 U	2 U	2 U	2 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.1 UJ	4.7 U	5.6 U	5.1 U	5.1 U	5.2 U	5 U	5 U	5 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.1 U*	*5.1 U*	*5.2 U*	*5 U*	*5 U*	*5 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	41 UJ	37 U	44 U	41 U	41 U	41 U	40 U	40 U	40 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.1 U*	*5.1 U*	*5.2 U*	*5 U*	*5 U*	*5 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*1 U*	*0.93 U*	*1.1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*1 U*	*0.93 U*	*1.1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.1 UJ*	*5.1 UJ*	*5.2 U*	*5 U*	*5 U*	*5 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*10 UJ*	*9.3 U*	*11 U*	*10 U*	*10 UJ*	*10 U*	*10 U*	*10 U*	*10 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.1 U*	*5.1 UJ*	*5.2 U*	*5 U*	*5 U*	*5 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*0.51 U*	*0.47 U*	*0.56 U*	*0.51 U*	*0.51 UJ*	*0.52 U*	*0.5 U*	*0.5 U*	*0.5 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	1 U	0.93 U	1.1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*5.1 UJ*	*4.7 UJ*	*5.6 U*	*5.1 UJ*	*5.1 UJ*	*5.2 U*	*5 U*	*5 U*	*5 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.1 U*	*5.1 U*	*5.2 U*	*5 U*	*5 U*	*5 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.1 UJ	4.7 U	5.6 U	5.1 U	5.1 UJ	5.2 U	5 U	5 U	5 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.1 U*	*5.1 UJ*	*5.2 U*	*5 UJ*	*5 UJ*	*5 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.1 UJ	4.7 U	5.6 U	5.1 U	5.1 U	5.2 U	5 U	5 U	5 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.1 U*	*5.1 U*	*5.2 U*	*5 U*	*5 U*	*5 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW06R
										Sample Date	**9/23/2009**	**3/11/2010**	**9/22/2010**	**3/23/2011**	**9/13/2011**	**3/21/2012**	**9/19/2012**	**9/19/2012**	**4/22/2009**
										Lab Sample ID	**510-44875-4**	**510-50340-2**	**510-57054-1**	**510-63501-1**	**510-69947-1**	**510-76890-5**	**510-83685-4**	**510-83685-6**	**510-39250-5**
										Sample Type	**FD**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**FD**	**TRG**
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.1 U*	*5.1 UJ*	*5.2 U*	*5 U*	*5 U*	*5 U*
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	NR	NR	*11 U*	*10 UJ*	*10 UJ*	*10 U*	*10 U*	*10 U*	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.1 U*	*5.1 U*	*5.2 U*	*5 U*	*5 U*	*5 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*20 U*	*19 U*	*22 U*	*20 U*	*20 U*	*21 U*	*20 UJ*	*20 UJ*	*20 U*
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	5.1 UJ	4.7 U	5.6 U	5.1 U	5.1 U	5.2 U	5 U	5 U	5 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	*1 U*	0.93 U	*1.1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	5.1 U	4.7 UJ	5.6 U	5.1 U	5.1 UJ	5.2 U	5 U	5 U	5 U
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NV	NV	NV	NV	NV	41 UJ	37 U	44 U	41 U	41 U	41 U	40 U	40 U	40 U
Pronamide	23950-58-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	5.1 UJ	9.3 U	11 U	10 U	10 U	10 U	10 U	10 U	5 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*1 U*	*0.93 U*	*1.1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	20 UJ	19 U	*22 U*	20 U	20 UJ	*21 U*	R	R	20 U
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	NR	NR	NR	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.1 U*	*5.1 U*	*5.2 U*	*5 U*	*5 U*	*5 U*
General Chemistry																			
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	*10 U*	*10 U*	*10 U*	*10 U*	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Metals																			
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	*30 U*	*30 U*	*30 U*	*30 U*	**40**	*2 U*	*2 U*	*2 U*	*30 U*
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	55	43	57 U	41	270	49	55	52	31
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	*10 U*	*10 U*	*10 U*	*10 U*	1 U	1 U	1 U	1 U	*10 U*
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	10 U	10 U	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	*50 U*	*50 U*	*50 U*	*50 U*	0.5 U	0.5 U	0.5 U	0.5 U	*50 U*
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	NR	NR	NR	*15 U*	*15 U*	*15 U*	*15 U*	*15 U*	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	**0.21 J**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	*20 U*	*20 U*	*20 U*	*20 U*	1 U	1.6	1 U	1 U	*20 U*
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	*40 U*	*40 U*	*40 U*	*40 U*	*2 U*	*2 U*	*2 U*	*2 U*	*40 U*
Polychlorinated Biphenyls (PCBs)																			
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	*0.55 U*	*0.5 U*	*0.57 U*	*0.55 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.51 U*	*0.52 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	*0.55 U*	*0.5 U*	*0.57 U*	*0.55 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.51 U*	*0.52 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	*0.55 U*	*0.5 U*	*0.57 U*	*0.55 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.51 U*	*0.52 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	*0.55 U*	*0.5 U*	*0.57 U*	*0.55 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.51 U*	*0.52 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	*0.55 U*	*0.5 U*	*0.57 U*	*0.55 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.51 U*	*0.52 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	*0.55 U*	*0.5 U*	*0.57 U*	*0.55 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.51 U*	*0.52 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	*0.55 U*	*0.5 U*	*0.57 U*	*0.55 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.51 U*	*0.52 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	*0.55 U*	0.5 U	*0.57 U*	*0.55 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.51 U*	*0.52 U*
Volatile Organic Compounds (VOCS)																			
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*2 UJ*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	17 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW06R
										Sample Date	9/23/2009	3/11/2010	9/22/2010	3/23/2011	9/13/2011	3/21/2012	9/19/2012	9/19/2012	4/22/2009
										Lab Sample ID	510-44875-4	510-50340-2	510-57054-1	510-63501-1	510-69947-1	510-76890-5	510-83685-4	510-83685-6	510-39250-5
										Sample Type	FD	TRG	TRG	TRG	TRG	TRG	TRG	FD	TRG
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	330 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 UJ	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 UJ*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 UJ*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	*1 U*
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	100 UJ	100 U	100 U	100 U	100 U	100 U	NR	NR	100 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	2 UJ	2 U	3.2 U	2 U	5 U	5 U	5 U	5 U	2 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 UJ*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*2.5 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 UJ	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.9
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*10 UJ*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*2.5 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	2 U	2 U	2 U	2 U	2 U	5 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	2 UJ	2 U	2 U	1 U	1 U	1 U	1 U	1 U	2 U

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW07
										Sample Date	9/22/2009	3/10/2010	9/21/2010	3/22/2011	3/22/2011	9/14/2011	3/21/2012	9/18/2012	4/21/2009
										Lab Sample ID	510-44820-1	510-50310-1	510-57050-1	510-63448-6	510-63448-8	510-70004-1	510-76890-1	510-83632-4	510-39202-6
										Sample Type	TRG	TRG	TRG	TRG	FD	TRG	TRG	TRG	TRG
Semi-Volatile Organic Compounds (SVOCs)																			
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*2.2 UJ*	*2 U*	*2.2 UJ*	*2.1 U*	*2.1 U*	*2.1 U*	*2.1 U*	*2.1 UJ*	*2.1 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	2.2 UJ	2 U	2.2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	5.4 UJ	4.9 U	5.5 UJ	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	2.2 UJ	2 U	2.2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*2.2 UJ*	*2 U*	*2.2 UJ*	*2.1 U*	*2.1 U*	*2.1 U*	*2.1 U*	*2.1 U*	*2.1 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*22 UJ*	*20 U*	*22 UJ*	*21 U*	*21 U*	*21 U*	*21 U*	*21 UJ*	*21 UJ*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 UJ	9.8 U	11 UJ	11 U	10 U	11 U	10 U	11 U	10 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.4 UJ	9.8 U	11 UJ	11 U	10 U	11 U	10 U	11 U	5.2 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	5.4 UJ	4.9 U	5.5 UJ	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*11 UJ*	*9.8 U*	*11 UJ*	*11 U*	*10 U*	*11 U*	*10 U*	*11 UJ*	*10 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 UJ*	*5.2 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	11 UJ	9.8 U	11 UJ	11 U	10 U	11 U	10 U	11 UJ	10 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	11 UJ	9.8 U	11 UJ	11 U	10 U	11 U	10 U	11 UJ	10 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	*22 UJ*	*20 U*	*22 UJ*	*21 U*	*21 U*	*21 U*	*21 U*	*21 U*	*21 U*
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*1.1 UJ*	*0.98 U*	*1.1 UJ*	*1.1 U*	*1 U*	*1.1 U*	*1 U*	*1.1 U*	*1 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 UJ*	*5.2 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*0.54 UJ*	*0.49 U*	*0.55 UJ*	*0.53 U*	*0.52 U*	*0.53 U*	*0.52 U*	R	*0.52 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*2.2 UJ*	*2 U*	*2.2 UJ*	*2.1 U*	*2.1 U*	*2.1 U*	*2.1 U*	*2.1 U*	*2.1 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	5.4 UJ	4.9 U	5.5 UJ	5.3 U	5.2 U	5.3 U	5.2 U	5.3 UJ	5.2 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	0.54 UJ	0.49 U	0.55 UJ	0.53 U	0.52 U	0.53 U	0.52 U	0.53 UJ	0.52 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	2.2 UJ	2 U	2.2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*5.4 UJ*	*9.8 U*	*11 UJ*	*11 U*	*10 U*	*11 U*	*10 U*	*11 U*	*5.2 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	5.4 UJ	4.9 U	5.5 UJ	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	11 UJ	9.8 U	11 UJ	11 U	10 U	11 U	10 U	11 UJ	10 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 UJ	9.8 U	11 UJ	11 U	10 U	11 U	10 U	11 U	10 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*11 UJ*	*9.8 U*	*11 UJ*	*11 U*	*10 U*	*11 U*	*10 U*	*11 U*	*10 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.2 UJ	2 U	2.2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	*22 UJ*	*20 U*	*22 UJ*	*21 U*	*21 U*	*21 UJ*	*21 U*	*21 UJ*	*21 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 UJ	9.8 U	11 UJ	11 U	10 U	11 U	10 U	11 UJ	10 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*22 UJ*	*20 U*	*22 UJ*	*21 U*	*21 U*	*21 U*	*21 U*	*21 U*	*21 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*5.4 UJ*	*9.8 U*	*11 UJ*	*11 U*	*10 U*	*11 U*	*10 U*	*11 U*	*5.2 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	11 UJ	9.8 U	11 UJ	11 U	10 U	11 U	10 U	11 UJ	10 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*11 UJ*	*9.8 U*	*11 UJ*	*11 U*	*10 U*	*11 U*	*10 U*	*11 UJ*	*10 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.4 UJ	4.9 U	5.5 UJ	5.3 U	5.2 U	5.3 U	5.2 U	5.3 UJ	5.2 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*11 UJ*	*9.8 U*	*11 UJ*	*11 U*	*10 U*	*11 U*	*10 U*	*11 U*	*10 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	22 UJ	20 U	22 UJ	21 U	21 U	21 U	21 U	21 U	21 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	22 UJ	20 U	22 UJ	21 U	21 U	21 U	21 U	NR	21 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	5.4 UJ	4.9 U	5.5 UJ	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	43 UJ	39 U	44 UJ	42 U	41 U	43 U	42 U	43 U	41 U
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	1.1 UJ	0.98 U	1.1 UJ	1.1 U	1 U	1.1 U	1 U	1.1 U	1 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	1.1 UJ	0.98 U	1.1 UJ	1.1 U	1 U	1.1 U	1 U	1.1 UJ	1 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	5.4 UJ	4.9 U	5.5 UJ	5.3 U	5.2 U	5.3 U	5.2 U	5.3 UJ	5.2 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*22 UJ*	*20 U*	*22 UJ*	*21 U*	*21 U*	*21 U*	*21 U*	*21 UJ*	*21 U*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*1.1 UJ*	*0.98 U*	*1.1 UJ*	*1.1 U*	*1 U*	*1.1 U*	*1 U*	*1.1 U*	*1 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW07
										Sample Date	9/22/2009	3/10/2010	9/21/2010	3/22/2011	3/22/2011	9/14/2011	3/21/2012	9/18/2012	4/21/2009
										Lab Sample ID	510-44820-1	510-50310-1	510-57050-1	510-63448-6	510-63448-8	510-70004-1	510-76890-1	510-83632-4	510-39202-6
										Sample Type	TRG	TRG	TRG	TRG	FD	TRG	TRG	TRG	TRG
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*0.22 UJ*	*0.2 U*	*0.22 UJ*	*0.21 U*	*0.21 U*	*0.21 U*	*0.21 U*	*0.21 U*	*0.21 U*
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*0.22 UJ*	*0.2 U*	*0.22 UJ*	*0.21 U*	*0.21 U*	*0.21 U*	*0.21 U*	*0.21 U*	*0.21 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*0.22 UJ*	*0.2 U*	*0.22 UJ*	*0.21 U*	*0.21 U*	*0.21 U*	*0.21 U*	*0.21 U*	*0.21 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	1.1 UJ	0.98 U	1.1 UJ	1.1 U	1 U	1.1 U	1 UJ	1.1 U	1 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.22 UJ	0.2 U	0.22 UJ	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	*22 UJ*	*20 U*	*22 UJ*	*21 U*	*21 U*	*21 U*	*21 U*	*21 UJ*	*21 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	NR	NR	2.2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	2.2 UJ	2 U	2.2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*2.2 UJ*	*2 U*	*2.2 UJ*	*2.1 U*	*2.1 U*	*2.1 U*	*2.1 U*	*2.1 U*	*2.1 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*11 UJ*	*9.8 U*	*11 UJ*	*11 U*	*10 U*	*11 U*	*10 U*	*11 U*	*10 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	2.2 UJ	2 U	2.2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	4.9 U	5.5 UJ	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.54 UJ	0.49 U	0.55 UJ	0.53 U	0.52 U	0.53 U	0.52 U	0.53 U	0.52 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*0.33 UJ*	*0.29 U*	*0.33 UJ*	*0.32 U*	*0.31 U*	*0.32 U*	*0.31 U*	*0.32 U*	*0.31 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	2.2 UJ	2 U	2.2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	2.2 UJ	2 U	2.2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	2.2 UJ	2 U	2.2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	5.4 UJ	4.9 U	5.5 UJ	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	11 UJ	9.8 U	11 UJ	11 U	10 U	11 U	10 U	11 U	10 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	5.4 UJ	4.9 U	5.5 UJ	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.4 UJ	4.9 U	5.5 UJ	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	1.1 UJ	0.98 U	1.1 UJ	1.1 U	1 U	1.1 U	1 U	1.1 U	1 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	1.1 UJ	0.98 U	1.1 UJ	1.1 U	1 U	1.1 U	1 U	1.1 U	1 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*0.54 UJ*	*0.49 U*	*0.55 UJ*	*0.53 U*	*0.52 U*	*0.53 U*	*0.52 U*	*0.53 U*	*0.52 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*22 UJ*	*20 U*	*22 UJ*	*21 U*	*21 U*	*21 U*	*21 U*	R	*21 U*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*110 UJ*	*98 U*	*110 UJ*	*110 U*	*100 U*	*110 U*	*100 U*	*110 U*	*100 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	22 UJ	20 U	22 UJ	21 UJ	21 UJ	21 U	21 U	21 U	21 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*0.22 UJ*	*0.2 U*	*0.22 UJ*	*0.21 U*	*0.21 U*	*0.21 U*	*0.21 U*	*0.21 U*	*0.21 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	2.2 UJ	2 U	2.2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.4 UJ	4.9 U	5.5 UJ	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	43 UJ	39 U	44 UJ	42 U	41 U	43 U	42 U	43 U	41 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*1.1 UJ*	*0.98 U*	*1.1 UJ*	*1.1 U*	*1 U*	*1.1 U*	*1 U*	*1.1 UJ*	*1 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*1.1 UJ*	*0.98 U*	*1.1 UJ*	*1.1 U*	*1 U*	*1.1 U*	*1 U*	*1.1 UJ*	*1 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*11 UJ*	*9.8 U*	*11 UJ*	*11 U*	*10 U*	*11 U*	*10 U*	*11 U*	*10 UJ*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*0.54 UJ*	*0.49 U*	*0.55 UJ*	*0.53 U*	*0.52 U*	*0.53 U*	*0.52 U*	*0.53 UJ*	*0.52 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	1.1 UJ	0.98 U	1.1 UJ	1.1 U	1 U	1.1 U	1 U	1.1 U	1 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 UJ*	*5.2 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.4 UJ	4.9 U	5.5 UJ	5.3 U	5.2 U	5.3 U	5.2 U	5.3 UJ	5.2 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 UJ*	*5.2 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.4 UJ	4.9 U	5.5 UJ	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW07
										Sample Date	9/22/2009	3/10/2010	9/21/2010	3/22/2011	3/22/2011	9/14/2011	3/21/2012	9/18/2012	4/21/2009
										Lab Sample ID	510-44820-1	510-50310-1	510-57050-1	510-63448-6	510-63448-8	510-70004-1	510-76890-1	510-83632-4	510-39202-6
										Sample Type	TRG	TRG	TRG	TRG	FD	TRG	TRG	TRG	TRG
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 UJ*	*5.2 U*
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	NR	NR	*11 UJ*	*11 UJ*	*10 UJ*	*11 U*	*10 U*	*11 UJ*	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*22 UJ*	*20 U*	*22 UJ*	*21 U*	*21 U*	*21 U*	*21 U*	*21 U*	*21 U*
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	5.4 UJ	4.9 U	5.5 UJ	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	*1.1 UJ*	*0.98 U*	*1.1 UJ*	*1.1 U*	*1 U*	*1.1 U*	*1 U*	*1.1 U*	*1 U*
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	5.4 UJ	4.9 U	5.5 UJ	5.3 U	5.2 U	5.3 U	5.2 U	5.3 UJ	5.2 U
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NV	NV	NV	NV	NV	43 UJ	39 U	44 UJ	42 U	41 U	43 U	42 U	43 U	41 U
Pronamide	23950-58-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	5.4 UJ	9.8 U	11 UJ	11 U	10 U	11 U	10 U	11 U	5.2 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*1.1 UJ*	*0.98 U*	*1.1 UJ*	*1.1 U*	*1 U*	*1.1 U*	*1 U*	*1.1 U*	*1 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	*22 UJ*	20 U	*22 UJ*	*21 U*	*21 U*	*21 U*	*21 U*	*21 UJ*	*21 UJ*
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	NR	NR	NR	*11 U*	*10 U*	*11 U*	*10 U*	*11 U*	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*5.4 UJ*	*4.9 U*	*5.5 UJ*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*	*5.3 U*	*5.2 U*
General Chemistry																			
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	*10 UJ*	*10 U*	*10 U*	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Metals																			
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	*30 U*	*30 U*	*30 U*	*30 U*	*30 U*	**3.5**	**2.3**	**3.2 J**	*30 U*
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	40	23	49	40	39	44	36	41	56
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	1 U	1 U	1 U	*10 U*
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	10 U	10 U	10 U	10 U	10 U	1.5 U	1.5 U	1.5 U	10 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	0.5 U	0.5 U	0.5 U	*50 U*
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	NR	NR	NR	*15 U*	*15 U*	**16**	*15 U*	*15 U*	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	1.6	2.5	1 U	*20 U*
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	*40 U*	*40 U*	*40 U*	*40 U*	*40 U*	*2 U*	*2 U*	*2 U*	*40 U*
Polychlorinated Biphenyls (PCBs)																			
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	*0.54 U*	*0.5 U*	*0.56 U*	*0.51 U*	*0.53 U*	*0.55 U*	*0.53 U*	*0.53 U*	*0.52 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	*0.54 U*	*0.5 U*	*0.56 U*	*0.51 U*	*0.53 U*	*0.55 U*	*0.53 U*	*0.53 U*	*0.52 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	*0.54 U*	*0.5 U*	*0.56 U*	*0.51 U*	*0.53 U*	*0.55 U*	*0.53 U*	*0.53 U*	*0.52 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	*0.54 U*	*0.5 U*	*0.56 U*	*0.51 U*	*0.53 U*	*0.55 U*	*0.53 U*	*0.53 U*	*0.52 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	*0.54 U*	*0.5 U*	*0.56 U*	*0.51 U*	*0.53 U*	*0.55 U*	*0.53 U*	*0.53 U*	*0.52 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	*0.54 U*	*0.5 U*	*0.56 U*	*0.51 U*	*0.53 U*	*0.55 U*	*0.53 U*	*0.53 U*	*0.52 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	*0.54 U*	*0.5 U*	*0.56 U*	*0.51 U*	*0.53 U*	*0.55 U*	*0.53 U*	*0.53 U*	*0.52 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	*0.54 U*	0.5 U	*0.56 U*	*0.51 U*	*0.53 U*	*0.55 U*	*0.53 U*	*0.53 U*	*0.52 U*
Volatile Organic Compounds (VOCS)																			
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*2 UJ*	*2 U*	*2 U*	*2 U*	*2 U*	*2 UJ*	*2 U*	*2 U*	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*

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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW07
										Sample Date	9/22/2009	3/10/2010	9/21/2010	3/22/2011	3/22/2011	9/14/2011	3/21/2012	9/18/2012	4/21/2009
										Lab Sample ID	510-44820-1	510-50310-1	510-57050-1	510-63448-6	510-63448-8	510-70004-1	510-76890-1	510-83632-4	510-39202-6
										Sample Type	TRG	TRG	TRG	TRG	FD	TRG	TRG	TRG	TRG
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	39 UJ	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 UJ	20 U	20 U	20 U	20 U	20 UJ	20 U	20 U	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 UJ*	*100 U*	*100 U*	*100 U*	*100 U*	*100 UJ*	*100 U*	*100 U*	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 UJ*	*20 U*	*20 U*	*20 U*	*20 U*	*20 UJ*	*20 U*	*20 U*	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*0.5 U*	*0.5 U*	*0.5 UJ*	*0.5 U*	*0.5 U*	*1 U*
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	1 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	100 UJ	100 U	100 U	100 U	100 U	100 UJ	100 U	NR	100 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	2 UJ	2 U	2 U	2 U	2 U	5 UJ	5 U	5 U	2 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 UJ*	*10 U*	*10 U*	*10 U*	*10 U*	*10 UJ*	*10 U*	*10 U*	*2.5 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 UJ	20 U	20 U	20 U	20 U	20 UJ	20 U	20 U	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	1 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*10 UJ*	*10 U*	*10 U*	*10 U*	*10 U*	*10 UJ*	*10 U*	*10 U*	*2.5 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*0.5 U*	*0.5 U*	*0.5 UJ*	*0.5 U*	*0.5 U*	*1 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	2 U	2 U	2 UJ	2 U	2 U	5 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*0.5 U*	*0.5 U*	*0.5 UJ*	*0.5 U*	*0.5 U*	*1 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	2 UJ	2 U	2 U	1 U	1 U	1 UJ	1 U	1 U	2 U

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07
										Sample Date	9/21/2009	3/10/2010	3/10/2010	9/20/2010	3/22/2011	3/22/2011	9/14/2011	3/21/2012	3/21/2012
										Lab Sample ID	510-44768-3	510-50310-3	510-50310-4	510-56995-2	510-63448-1	510-63448-3	510-70004-5	2:55:00	510-76937-1
										Sample Type	TRG	TRG	FD	TRG	TRG	FD	TRG	PM	TRG
Semi-Volatile Organic Compounds (SVOCs)																		510-76937-1	
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*5 UJ*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 U*	*5 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*2 U*	*2 U*	*1.9 U*	*2.2 U*	*2 U*	*2.2 U*	*2.1 U*	*2 U*	*2 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	2 U	2 U	1.9 U	2.2 U	2 U	2.2 U	2.1 U	2 U	2 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	5 UJ	4.9 U	4.7 U	5.4 U	5 U	5.5 U	5.2 U	5 U	5 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	2 U	2 U	1.9 U	2.2 U	2 U	2.2 U	2.1 U	2 U	2 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*2 U*	*2 U*	*1.9 U*	*2.2 U*	*2 U*	*2.2 U*	*2.1 U*	*2 U*	*2 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*20 UJ*	*20 U*	*19 U*	*22 U*	*20 U*	*22 U*	*21 U*	*20 U*	*20 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	9.9 UJ	9.8 U	9.3 U	11 U	10 U	11 U	10 U	10 U	10 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 UJ	9.8 U	9.3 U	11 U	10 U	11 U	10 U	10 U	10 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	5 UJ	4.9 U	4.7 U	5.4 U	5 U	5.5 U	5.2 UJ	5 UJ	5 UJ
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*9.9 U*	*9.8 U*	*9.3 U*	*11 U*	*10 U*	*11 U*	*10 UJ*	*10 UJ*	*10 UJ*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*5 U*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 UJ*	*5 UJ*	*5 UJ*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	9.9 U	9.8 U	9.3 U	11 U	10 U	11 U	10 UJ	10 UJ	10 UJ
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	9.9 U	9.8 U	9.3 U	11 U	10 U	11 U	10 UJ	10 UJ	10 UJ
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	*20 U*	*20 U*	19 U	*22 U*	*20 U*	*22 U*	*21 UJ*	*20 UJ*	*20 UJ*
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*0.99 U*	*0.98 U*	*0.93 U*	*1.1 U*	*1 U*	*1.1 U*	*1 U*	*1 U*	*1 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*5 UJ*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 UJ*	*5 UJ*	*5 UJ*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*0.5 U*	*0.49 U*	*0.47 U*	*0.54 U*	*0.5 U*	*0.55 U*	*0.52 U*	*0.5 U*	*0.5 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*5 UJ*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 U*	*5 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*2 U*	*2 U*	*1.9 U*	*2.2 U*	*2 U*	*2.2 U*	*2.1 U*	*2 U*	*2 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	5 U	4.9 U	4.7 U	5.4 U	5 U	5.5 U	5.2 UJ	5 UJ	5 UJ
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	0.5 U	0.49 U	0.47 U	0.54 U	0.5 U	0.55 U	0.52 U	0.5 U	5 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	2 U	2 U	1.9 U	2.2 U	2 U	2.2 U	2.1 UJ	2 UJ	2 UJ
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*5 UJ*	*9.8 U*	*9.3 U*	*11 U*	*10 U*	*11 U*	*10 U*	*10 U*	*10 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	5 U	4.9 U	4.7 U	5.4 U	5 U	5.5 U	5.2 U	5 U	5 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	9.9 U	9.8 U	9.3 U	11 U	10 U	11 U	10 UJ	10 UJ	10 UJ
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	9.9 UJ	9.8 U	9.3 U	11 U	10 U	11 U	10 U	10 U	10 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*9.9 UJ*	*9.8 U*	*9.3 U*	*11 U*	*10 U*	*11 U*	*10 UJ*	*10 UJ*	*10 UJ*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2 U	2 U	1.9 U	2.2 U	2 U	2.2 U	2.1 UJ	2 UJ	2 UJ
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*5 U*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 U*	*5 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	*20 UJ*	*20 U*	*19 U*	*22 UJ*	*20 U*	*22 U*	*21 UJ*	*20 U*	*20 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*5 UJ*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 UJ*	*5 UJ*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	9.9 U	9.8 U	9.3 U	11 U	10 U	11 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*20 U*	*20 U*	*19 U*	*22 U*	*20 U*	*22 U*	*21 UJ*	*20 UJ*	*20 UJ*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*5 UJ*	*9.8 U*	*9.3 U*	*11 U*	*10 U*	*11 U*	*10 U*	*10 U*	*10 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*5 U*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 U*	*5 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	9.9 U	9.8 U	9.3 U	11 U	10 U	11 U	10 UJ	10 UJ	10 UJ
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*9.9 U*	*9.8 U*	*9.3 U*	*11 U*	*10 U*	*11 U*	*10 U*	*10 U*	*10 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	4.9 U	4.7 U	5.4 U	5 U	5.5 U	5.2 U	5 U	5 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*9.9 U*	*9.8 U*	*9.3 U*	*11 U*	*10 U*	*11 U*	*10 U*	*10 U*	*10 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	20 UJ	20 U	19 U	22 U	20 U	22 U	21 UJ	20 UJ	20 UJ
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 UJ	20 U	19 U	22 U	20 U	22 U	21 U	20 U	20 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	5 UJ	4.9 U	4.7 U	5.4 U	5 U	5.5 U	5.2 U	5 U	5 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*5 UJ*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 UJ*	*5 UJ*
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	40 UJ	39 U	37 U	43 U	40 U	44 U	42 U	40 U	40 U
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	0.99 U	0.98 U	0.93 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	0.99 U	0.98 U	0.93 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	5 UJ	4.9 U	4.7 U	5.4 U	5 U	5.5 U	5.2 U	5 U	5 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*20 U*	*20 U*	*19 U*	*22 U*	*20 U*	*22 U*	*21 U*	*20 U*	*20 U*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*0.99 U*	*0.98 U*	*0.93 U*	*1.1 U*	*1 U*	*1.1 U*	*1 U*	*1 U*	*1 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07
										Sample Date	9/21/2009	3/10/2010	3/10/2010	9/20/2010	3/22/2011	3/22/2011	9/14/2011	3/21/2012	3/21/2012
										Lab Sample ID	510-44768-3	510-50310-3	510-50310-4	510-56995-2	510-63448-1	510-63448-3	510-70004-5	2:55:00	510-76937-1
										Sample Type	TRG	TRG	FD	TRG	TRG	FD	TRG	PM	TRG
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*5 UJ*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 U*	*5 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*0.2 U*	*0.2 U*	*0.19 U*	*0.22 U*	*0.2 U*	*0.22 U*	*0.21 U*	*0.2 U*	*0.2 U*
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*0.2 U*	*0.2 U*	*0.19 U*	*0.22 U*	*0.2 U*	*0.22 U*	*0.21 U*	*0.2 UJ*	*0.2 UJ*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*0.2 U*	*0.2 U*	*0.19 U*	*0.22 U*	*0.2 U*	*0.22 U*	*0.21 U*	*0.2 UJ*	*0.2 UJ*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	0.99 U	0.98 U	0.93 U	1.1 U	1 U	1.1 U	1 U	1 UJ	1 UJ
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.2 U	0.2 U	0.19 U	0.22 U	0.2 U	0.22 U	0.21 U	0.2 UJ	0.2 UJ
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	*20 U*	*20 U*	*19 U*	*22 U*	*20 U*	*22 U*	*21 U*	*20 U*	*20 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	NR	NR	NR	2.2 U	2 U	2.2 U	2.1 U	2 U	2 U
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	2 U	2 U	1.9 U	2.2 U	2 U	2.2 U	2.1 U	2 U	2 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*2 U*	*2 U*	*1.9 U*	*2.2 U*	*2 U*	*2.2 U*	*2.1 U*	*2 U*	*2 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*9.9 U*	*9.8 U*	*9.3 U*	*11 U*	*10 U*	*11 U*	*10 U*	*10 U*	*10 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	2 U	2 U	1.9 U	2.2 U	2 U	2.2 U	2.1 U	2 U	2 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	4.9 U	4.7 U	5.4 U	5 U	5.5 U	5.2 U	5 U	5 U
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*5 UJ*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 U*	*5 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.5 U	0.49 U	0.47 U	0.54 U	0.5 U	0.55 U	0.52 U	0.5 U	0.5 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*5 UJ*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 U*	*5 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*0.3 U*	*0.29 U*	*0.28 U*	*0.33 U*	*0.3 U*	*0.33 U*	*0.31 U*	*0.3 UJ*	*0.3 UJ*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	2 U	2 U	1.9 U	2.2 U	2 U	2.2 U	2.1 U	2 U	2 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	2 U	2 U	1.9 U	2.2 U	2 U	2.2 U	2.1 U	2 U	2 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	2 U	2 U	1.9 U	2.2 U	2 U	2.2 U	2.1 U	2 U	2 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	5 U	4.9 U	4.7 U	5.4 U	5 U	5.5 U	5.2 U	5 U	5 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	9.9 U	9.8 U	9.3 U	11 U	10 U	11 U	10 U	10 UJ	10 UJ
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	5 UJ	4.9 U	4.7 U	5.4 U	5 U	5.5 U	5.2 U	5 U	5 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 UJ	4.9 U	4.7 U	5.4 U	5 U	5.5 U	5.2 U	5 U	5 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	0.99 U	0.98 U	0.93 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	0.99 U	0.98 U	0.93 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*0.5 U*	*0.49 U*	*0.47 U*	*0.54 U*	*0.5 U*	*0.55 U*	*0.52 U*	*0.5 U*	*0.5 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*5 U*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 U*	*5 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*20 U*	*20 U*	*19 U*	*22 U*	*20 U*	*22 U*	*21 U*	*20 U*	*20 U*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*5 U*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 U*	*5 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*99 UJ*	*98 U*	*93 U*	*110 U*	*100 U*	*110 U*	*100 U*	*100 UJ*	*100 UJ*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	20 U	19 U	22 U	20 UJ	22 UJ	21 U	20 U	20 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*0.2 U*	*0.2 U*	*0.19 U*	*0.22 U*	*0.2 U*	*0.22 U*	*0.21 U*	*0.2 UJ*	*0.2 UJ*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	2 U	2 U	1.9 U	2.2 U	2 U	2.2 U	2.1 U	2 U	2 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 UJ	4.9 U	4.7 U	5.4 U	5 U	5.5 U	5.2 U	5 U	5 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*5 UJ*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 U*	*5 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	40 UJ	39 U	37 U	43 U	40 U	44 U	42 U	40 U	40 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*5 UJ*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 U*	*5 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*0.99 U*	*0.98 U*	*0.93 U*	*1.1 U*	*1 U*	*1.1 U*	*1 U*	*1 U*	*1 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*0.99 U*	*0.98 U*	*0.93 U*	*1.1 U*	*1 U*	*1.1 U*	*1 U*	*1 U*	*1 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*5 UJ*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 U*	*5 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*9.9 U*	*9.8 U*	*9.3 U*	*11 U*	*10 U*	*11 U*	*10 U*	*10 U*	*10 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*5 UJ*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 U*	*5 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*0.5 U*	*0.49 U*	*0.47 U*	*0.54 U*	*0.5 U*	*0.55 U*	*0.52 U*	*0.5 U*	*0.5 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	0.99 U	0.98 U	0.93 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*5 UJ*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 U*	*5 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*5 UJ*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 U*	*5 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 UJ	4.9 U	4.7 U	5.4 U	5 U	5.5 U	5.2 U	5 U	5 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*5 UJ*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 U*	*5 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 UJ	4.9 U	4.7 U	5.4 U	5 U	5.5 U	5.2 U	5 U	5 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*5 UJ*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 U*	*5 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07
										Sample Date	9/21/2009	3/10/2010	3/10/2010	9/20/2010	3/22/2011	3/22/2011	9/14/2011	3/21/2012	3/21/2012
										Lab Sample ID	510-44768-3	510-50310-3	510-50310-4	510-56995-2	510-63448-1	510-63448-3	510-70004-5	2:55:00	510-76937-1
										Sample Type	TRG	TRG	FD	TRG	TRG	FD	TRG	PM	TRG
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*5 UJ*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 U*	*5 U*
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	NR	NR	NR	*11 U*	*10 UJ*	*11 UJ*	*10 U*	*10 U*	*10 U*
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*5 UJ*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 U*	*5 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*20 U*	*20 U*	*19 U*	*22 U*	*20 U*	*22 U*	*21 UJ*	*20 UJ*	*20 UJ*
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	5 UJ	4.9 U	4.7 U	5.4 U	5 U	5.5 U	5.2 U	5 U	5 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	*0.99 U*	*0.98 U*	0.93 U	*1.1 U*	*1 U*	*1.1 U*	*1 U*	*1 U*	*1 U*
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	5 U	4.9 U	4.7 U	5.4 U	5 U	5.5 U	5.2 UJ	5 UJ	5 UJ
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NV	NV	NV	NV	NV	40 UJ	39 U	37 U	43 U	40 U	44 U	42 U	40 U	40 U
Pronamide	23950-58-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	5 UJ	9.8 U	9.3 U	11 U	10 U	11 U	10 U	10 U	10 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*0.99 U*	*0.98 U*	*0.93 U*	*1.1 U*	*1 U*	*1.1 U*	*1 U*	*1 U*	*1 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	20 UJ	20 U	19 U	*22 U*	20 U	*22 U*	*21 U*	20 U	20 U
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	NR	NR	NR	NR	*10 U*	*11 U*	*10 U*	*10 U*	*10 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*5 UJ*	*4.9 U*	*4.7 U*	*5.4 U*	*5 U*	*5.5 U*	*5.2 U*	*5 U*	*5 U*
General Chemistry																			
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	*10 UJ*	*10 U*	*10 U*
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Metals																			
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	*30 U*	*30 U*	*30 U*	*30 U*	*30 U*	*30 U*	*2 U*	*2 U*	*2 U*
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	36	14 J	24 J	29	20	22	35	16 U	16
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	1 U	1 U	1 U
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	10 U	10 U	10 U	10 U	10 U	10 U	1.5 U	1.5 U	1.5 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	0.5 U	0.5 U	0.5 U
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	NR	NR	NR	NR	*15 U*	*15 U*	*15 U*	*15 U*	*15 U*
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	1.6	1.7	1.7
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	*40 U*	*40 U*	*40 U*	*40 U*	*40 U*	*40 U*	*2 U*	*2 U*	*2 U*
Polychlorinated Biphenyls (PCBs)																			
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*0.55 U*	*0.54 U*	*0.52 U*	*0.55 U*	*0.53 U*	*0.53 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*0.55 U*	*0.54 U*	*0.52 U*	*0.55 U*	*0.53 U*	*0.53 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*0.55 U*	*0.54 U*	*0.52 U*	*0.55 U*	*0.53 U*	*0.53 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*0.55 U*	*0.54 U*	*0.52 U*	*0.55 U*	*0.53 U*	*0.53 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*0.55 U*	*0.54 U*	*0.52 U*	*0.55 U*	*0.53 U*	*0.53 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*0.55 U*	*0.54 U*	*0.52 U*	*0.55 U*	*0.53 U*	*0.53 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*0.55 U*	*0.54 U*	*0.52 U*	*0.55 U*	*0.53 U*	*0.53 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	0.5 U	0.5 U	0.5 U	*0.55 U*	*0.54 U*	*0.52 U*	*0.55 U*	*0.53 U*	*0.53 U*
Volatile Organic Compounds (VOCS)																			
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*2 UJ*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 UJ*	*2 U*	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 UJ*	*2.5 U*	*2.5 U*

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										Sample Date	9/21/2009	3/10/2010	3/10/2010	9/20/2010	3/22/2011	3/22/2011	9/14/2011	3/21/2012	3/21/2012
										Lab Sample ID	510-44768-3	510-50310-3	510-50310-4	510-56995-2	510-63448-1	510-63448-3	510-70004-5	2:55:00	510-76937-1
										Sample Type	TRG	TRG	FD	TRG	TRG	FD	TRG	PM	TRG
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 UJ	20 U	20 U	20 U	20 U	20 U	20 UJ	20 U	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 UJ*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*	*100 UJ*	*100 U*	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 UJ*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 UJ*	*20 U*	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*0.5 U*	*0.5 U*	*0.5 UJ*	*0.5 U*	*0.5 U*
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	100 UJ	100 U	100 U	100 U	100 U	100 U	100 UJ	100 U	100 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 UJ*	*2.5 U*	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	2 UJ	2 U	2 U	2 U	2 U	2 U	5 UJ	5 U	5 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 UJ*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 UJ*	*10 U*	*10 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 UJ	20 U	20 U	20 U	20 U	20 U	20 UJ	20 U	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	0.69 J	0.5 UJ	0.5 UJ	0.5 U	0.5 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*10 UJ*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 UJ*	*10 U*	*10 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*0.5 U*	*0.5 U*	*0.5 UJ*	*0.5 U*	*0.5 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	5 U	2 U	2 U	2 UJ	2 U	2 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*0.5 U*	*0.5 U*	*0.5 UJ*	*0.5 U*	*0.5 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	2 UJ	2 U	2 U	2 U	1 U	1 U	1 UJ	1 U	1 U

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW07	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08
										Sample Date	9/18/2012	4/23/2009	4/23/2009	4/23/2009	4/23/2009	9/23/2009	3/11/2010	3/11/2010	9/22/2010
										Lab Sample ID	510-83632-1	510-39296-1	510-39296-2	510-39296-3	510-39296-4	510-44875-2	510-50340-6	510-50340-7	510-57054-4
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	FD	TRG
Semi-Volatile Organic Compounds (SVOCs)																			
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*5.3 U*	NR	*5 U*	NR	NR	*5.1 UJ*	*4.9 U*	*4.9 U*	*5.6 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*2.1 UJ*	NR	*2 UJ*	NR	NR	*2 U*	*2 UJ*	*2 UJ*	*2.2 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	2.1 U	NR	2 UJ	NR	NR	2 U	2 UJ	2 UJ	2.2 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	5.3 U	NR	5 U	NR	NR	5.1 UJ	4.9 U	4.9 U	5.6 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	2.1 UJ	NR	2 UJ	NR	NR	2 U	2 UJ	2 UJ	2.2 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*2.1 U*	NR	*2 UJ*	NR	NR	*2 U*	*2 UJ*	*2 UJ*	*2.2 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*21 UJ*	NR	*20 U*	NR	NR	*20 UJ*	*20 U*	*20 U*	*22 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 U	NR	10 U	NR	NR	10 UJ	9.8 U	9.8 U	11 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 U	NR	5 U	NR	NR	5.1 UJ	9.8 U	9.8 U	11 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	5.3 U	NR	5 U	NR	NR	5.1 UJ	4.9 U	4.9 U	5.6 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*11 UJ*	NR	*10 U*	NR	NR	*10 U*	*9.8 U*	*9.8 U*	*11 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*5.3 UJ*	NR	*5 U*	NR	NR	*5.1 U*	*4.9 U*	*4.9 U*	*5.6 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	11 UJ	NR	10 UJ	NR	NR	10 U	9.8 UJ	9.8 UJ	11 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	11 UJ	NR	10 U	NR	NR	10 U	9.8 U	9.8 U	11 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	*21 U*	NR	*20 U*	NR	NR	*20 U*	*20 U*	*20 U*	*22 U*
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*1.1 U*	NR	*1 U*	NR	NR	*1 U*	*0.98 U*	*0.98 U*	*1.1 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*5.3 UJ*	NR	*5 U*	NR	NR	*5.1 UJ*	*4.9 UJ*	*4.9 UJ*	*5.6 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	R	NR	*0.5 U*	NR	NR	*0.51 U*	*0.49 U*	*0.49 U*	*0.56 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*5.3 U*	NR	*5 U*	NR	NR	*5.1 UJ*	*4.9 U*	*4.9 U*	*5.6 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*2.1 U*	NR	*2 U*	NR	NR	*2 U*	*2 U*	*2 U*	*2.2 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	5.3 UJ	NR	5 UJ	NR	NR	5.1 U	4.9 UJ	4.9 UJ	5.6 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	0.53 UJ	NR	0.5 UJ	NR	NR	0.51 U	0.49 UJ	0.49 UJ	0.56 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	2.1 UJ	NR	2 UJ	NR	NR	2 U	2 UJ	2 UJ	2.2 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*11 U*	NR	*5 U*	NR	NR	*5.1 UJ*	*9.8 U*	*9.8 U*	*11 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	5.3 U	NR	5 U	NR	NR	5.1 U	4.9 U	4.9 U	5.6 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	11 UJ	NR	10 UJ	NR	NR	10 U	9.8 UJ	9.8 UJ	11 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 U	NR	10 U	NR	NR	10 UJ	9.8 U	9.8 U	11 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*11 U*	NR	*10 U*	NR	NR	*10 UJ*	*9.8 U*	*9.8 U*	*11 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.1 UJ	NR	2 U	NR	NR	2 U	2 U	2 U	2.2 U
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*5.3 U*	NR	*5 UJ*	NR	NR	*5.1 U*	*4.9 U*	*4.9 U*	*5.6 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	*21 UJ*	NR	R	NR	NR	*20 UJ*	*20 U*	*20 U*	*22 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*5.3 U*	NR	*5 UJ*	NR	NR	*5.1 UJ*	*4.9 U*	*4.9 U*	*5.6 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 UJ	NR	10 U	NR	NR	10 U	9.8 U	9.8 U	11 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*21 U*	NR	*20 U*	NR	NR	*20 U*	*20 U*	*20 U*	*22 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*11 U*	NR	*5 U*	NR	NR	*5.1 UJ*	*9.8 U*	*9.8 U*	*11 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*5.3 U*	NR	*5 U*	NR	NR	*5.1 U*	*4.9 U*	*4.9 U*	*5.6 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	11 UJ	NR	10 U	NR	NR	10 U	9.8 U	9.8 U	11 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*11 UJ*	NR	*10 UJ*	NR	NR	*10 U*	*9.8 U*	*9.8 U*	*11 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 UJ	NR	5 U	NR	NR	5.1 U	4.9 U	4.9 U	5.6 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*11 U*	NR	*10 U*	NR	NR	*10 U*	*9.8 U*	*9.8 U*	*11 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	21 U	NR	20 U	NR	NR	20 U	20 U	20 U	22 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	20 U	NR	NR	20 UJ	20 U	20 U	22 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	5.3 U	NR	5 U	NR	NR	5.1 UJ	4.9 U	4.9 U	5.6 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*5.3 U*	NR	*5 UJ*	NR	NR	*5.1 UJ*	*4.9 U*	*4.9 U*	*5.6 U*
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	42 U	NR	40 U	NR	NR	41 UJ	39 U	39 U	44 U
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	1.1 U	NR	1 U	NR	NR	1 U	0.98 U	0.98 U	1.1 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	1.1 UJ	NR	1 U	NR	NR	1 U	0.98 U	0.98 U	1.1 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	5.3 UJ	NR	5 U	NR	NR	5.1 UJ	4.9 U	4.9 U	5.6 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*21 UJ*	NR	*20 UJ*	NR	NR	*20 U*	*20 U*	*20 U*	*22 U*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*1.1 U*	NR	*1 U*	NR	NR	*1 U*	*0.98 U*	*0.98 U*	*1.1 U*

Table 2A
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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW07	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08
										Sample Date	9/18/2012	4/23/2009	4/23/2009	4/23/2009	4/23/2009	9/23/2009	3/11/2010	3/11/2010	9/22/2010
										Lab Sample ID	510-83632-1	510-39296-1	510-39296-2	510-39296-3	510-39296-4	510-44875-2	510-50340-6	510-50340-7	510-57054-4
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	FD	TRG
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*5.3 U*	NR	*5 U*	NR	NR	*5.1 UJ*	*4.9 U*	*4.9 U*	*5.6 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*0.21 U*	NR	*0.2 U*	NR	NR	*0.2 U*	*0.2 U*	*0.2 U*	*0.22 U*
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*0.21 U*	NR	*0.2 UJ*	NR	NR	*0.2 U*	*0.2 U*	*0.2 U*	*0.22 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*0.21 U*	NR	*0.2 UJ*	NR	NR	*0.2 U*	*0.2 U*	*0.2 U*	*0.22 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	1.1 U	NR	1 UJ	NR	NR	1 U	0.98 U	0.98 U	1.1 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.21 U	NR	0.2 UJ	NR	NR	0.2 U	0.2 U	0.2 U	0.22 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	*21 UJ*	NR	*20 UJ*	NR	NR	*20 U*	*20 UJ*	*20 UJ*	*22 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	2.1 UJ	NR	NR	NR	NR	NR	NR	NR	2.2 U
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	2.1 UJ	NR	2 UJ	NR	NR	2 U	2 UJ	2 UJ	2.2 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*2.1 U*	NR	*2 UJ*	NR	NR	*2 U*	*2 U*	*2 U*	*2.2 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*11 U*	NR	*10 U*	NR	NR	*10 U*	*9.8 U*	*9.8 U*	*11 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	2.1 U	NR	2 U	NR	NR	2 U	2 U	2 U	2.2 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 U	NR	NR	NR	NR	NR	4.9 U	4.9 U	5.6 U
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*5.3 U*	NR	*5 U*	NR	NR	*5.1 UJ*	*4.9 U*	*4.9 U*	*5.6 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.53 U	NR	0.5 U	NR	NR	0.51 U	0.49 U	0.49 U	0.56 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*5.3 U*	NR	*5 U*	NR	NR	*5.1 UJ*	*4.9 U*	*4.9 U*	*5.6 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*0.32 U*	NR	*0.3 UJ*	NR	NR	*0.31 U*	*0.29 U*	*0.29 U*	*0.33 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	2.1 U	NR	2 U	NR	NR	2 U	2 U	2 U	2.2 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	2.1 U	NR	2 U	NR	NR	2 U	2 U	2 U	2.2 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	2.1 U	NR	2 U	NR	NR	2 U	2 U	2 U	2.2 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	5.3 U	NR	5 U	NR	NR	5.1 U	4.9 U	4.9 U	5.6 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	11 U	NR	10 UJ	NR	NR	10 U	9.8 U	9.8 U	11 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	5.3 U	NR	5 U	NR	NR	5.1 UJ	4.9 U	4.9 U	5.6 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 U	NR	5 U	NR	NR	5.1 UJ	4.9 U	4.9 U	5.6 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	1.1 U	NR	1 U	NR	NR	1 U	0.98 U	0.98 U	1.1 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	1.1 U	NR	1 U	NR	NR	1 U	0.98 U	0.98 U	1.1 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*0.53 U*	NR	*0.5 U*	NR	NR	*0.51 U*	*0.49 U*	*0.49 U*	*0.56 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*5.3 U*	NR	*5 UJ*	NR	NR	*5.1 U*	*4.9 UJ*	*4.9 UJ*	*5.6 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	R	NR	*20 UJ*	NR	NR	*20 U*	*20 U*	*20 U*	*22 U*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*5.3 U*	NR	*5 UJ*	NR	NR	*5.1 U*	*4.9 UJ*	*4.9 UJ*	*5.6 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*110 U*	NR	*100 U*	NR	NR	*100 UJ*	*98 UJ*	*98 UJ*	*110 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	21 U	NR	20 U	NR	NR	20 U	20 U	20 U	22 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*0.21 U*	NR	*0.2 UJ*	NR	NR	*0.2 U*	*0.2 U*	*0.2 U*	*0.22 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	2.1 UJ	NR	2 U	NR	NR	2 U	2 U	2 U	2.2 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 U	NR	5 U	NR	NR	5.1 UJ	4.9 U	4.9 U	5.6 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*5.3 U*	NR	*5 U*	NR	NR	*5.1 UJ*	*4.9 U*	*4.9 U*	*5.6 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	42 U	NR	40 U	NR	NR	41 UJ	39 U	39 U	44 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*5.3 U*	NR	*5 U*	NR	NR	*5.1 UJ*	*4.9 U*	*4.9 U*	*5.6 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*1.1 UJ*	NR	*1 UJ*	NR	NR	*1 U*	*0.98 U*	*0.98 U*	*1.1 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*1.1 UJ*	NR	*1 UJ*	NR	NR	*1 U*	*0.98 U*	*0.98 U*	*1.1 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*5.3 U*	NR	*5 U*	NR	NR	*5.1 UJ*	*4.9 U*	*4.9 U*	*5.6 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*11 U*	NR	*10 U*	NR	NR	*10 UJ*	*9.8 U*	*9.8 U*	*11 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*5.3 U*	NR	*5 U*	NR	NR	*5.1 UJ*	*4.9 U*	*4.9 U*	*5.6 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*0.53 UJ*	NR	*0.5 UJ*	NR	NR	*0.51 U*	*0.49 U*	*0.49 U*	*0.56 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	1.1 U	NR	1 U	NR	NR	1 U	0.98 U	0.98 U	1.1 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*5.3 UJ*	NR	*5 U*	NR	NR	*5.1 UJ*	*4.9 UJ*	*4.9 UJ*	*5.6 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*5.3 U*	NR	*5 U*	NR	NR	*5.1 UJ*	*4.9 U*	*4.9 U*	*5.6 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 UJ	NR	5 U	NR	NR	5.1 UJ	4.9 U	4.9 U	5.6 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*5.3 UJ*	NR	*5 U*	NR	NR	*5.1 UJ*	*4.9 U*	*4.9 U*	*5.6 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 U	NR	5 U	NR	NR	5.1 UJ	4.9 U	4.9 U	5.6 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*5.3 U*	NR	*5 U*	NR	NR	*5.1 UJ*	*4.9 U*	*4.9 U*	*5.6 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW07	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08
										Sample Date	9/18/2012	4/23/2009	4/23/2009	4/23/2009	4/23/2009	9/23/2009	3/11/2010	3/11/2010	9/22/2010
										Lab Sample ID	510-83632-1	510-39296-1	510-39296-2	510-39296-3	510-39296-4	510-44875-2	510-50340-6	510-50340-7	510-57054-4
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	FD	TRG
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*5.3 UJ*	NR	*5 U*	NR	NR	*5.1 UJ*	*4.9 U*	*4.9 U*	*5.6 U*
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*11 UJ*	NR	NR	NR	NR	NR	NR	NR	*11 U*
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*5.3 U*	NR	*5 U*	NR	NR	*5.1 UJ*	*4.9 U*	*4.9 U*	*5.6 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*21 U*	NR	*20 U*	NR	NR	*20 U*	*20 U*	*20 U*	*22 U*
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	5.3 U	NR	5 U	NR	NR	5.1 UJ	4.9 U	4.9 U	5.6 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	*1.1 U*	NR	*1 U*	NR	NR	*1 U*	*0.98 U*	*0.98 U*	*1.1 U*
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	5.3 UJ	NR	5 UJ	NR	NR	5.1 U	4.9 UJ	4.9 UJ	5.6 U
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NV	NV	NV	NV	NV	42 U	NR	40 U	NR	NR	41 UJ	39 U	39 U	44 U
Pronamide	23950-58-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	11 U	NR	5 U	NR	NR	5.1 UJ	9.8 U	9.8 U	11 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*1.1 U*	NR	*1 U*	NR	NR	*1 U*	*0.98 U*	*0.98 U*	*1.1 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	*21 UJ*	NR	R	NR	NR	20 UJ	20 U	20 U	*22 U*
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	*11 U*	NR	NR	NR	NR	NR	NR	NR	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*5.3 U*	NR	*5 U*	NR	NR	*5.1 UJ*	*4.9 U*	*4.9 U*	*5.6 U*
General Chemistry																			
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Metals																			
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	*2 U*	NR	NR	*30 U*	NR	*30 U*	*30 U*	*30 U*	*30 U*
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	22	NR	NR	39	NR	30	23	23	48 U
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	1 U	NR	NR	*10 U*	NR	*10 U*	*10 U*	*10 U*	*10 U*
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	1.5 U	NR	NR	10 U	NR	10 U	10 U	10 U	10 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	0.5 U	NR	NR	*50 U*	NR	*50 U*	*50 U*	*50 U*	*50 U*
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	*15 U*	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	0.2 U	NR	NR	0.2 U	NR	0.2 U	0.2 U	0.2 U	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	1 U	NR	NR	*20 U*	NR	*20 U*	*20 U*	*20 U*	*20 U*
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	*2 U*	NR	NR	*40 U*	NR	*40 U*	*40 U*	*40 U*	*40 U*
Polychlorinated Biphenyls (PCBs)																			
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	*0.52 U*	NR	NR	NR	*0.51 UJ*	*0.53 U*	*0.5 U*	*0.5 U*	*0.56 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	*0.52 U*	NR	NR	NR	*0.51 U*	*0.53 U*	*0.5 U*	*0.5 U*	*0.56 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	*0.52 U*	NR	NR	NR	*0.51 U*	*0.53 U*	*0.5 U*	*0.5 U*	*0.56 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	*0.52 U*	NR	NR	NR	*0.51 U*	*0.53 U*	*0.5 U*	*0.5 U*	*0.56 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	*0.52 U*	NR	NR	NR	*0.51 U*	*0.53 U*	*0.5 U*	*0.5 U*	*0.56 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	*0.52 U*	NR	NR	NR	*0.51 U*	*0.53 U*	*0.5 U*	*0.5 U*	*0.56 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	*0.52 U*	NR	NR	NR	*0.51 U*	*0.53 U*	*0.5 U*	*0.5 U*	*0.56 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	*0.52 U*	NR	NR	NR	*0.51 U*	*0.53 U*	0.5 U	0.5 U	*0.56 U*
Volatile Organic Compounds (VOCS)																			
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 U*	*1 U*	NR	NR	NR	*1 UJ*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U	1 U	NR	NR	NR	1 UJ	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 U*	*1 U*	NR	NR	NR	*1 UJ*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 U*	*1 U*	NR	NR	NR	*1 UJ*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U	1 U	NR	NR	NR	1 UJ	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U	1 U	NR	NR	NR	1 UJ	1 U	1 U	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 U*	*1 U*	NR	NR	NR	*1 UJ*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*2 U*	*2 U*	NR	NR	NR	*2 UJ*	*2 U*	*2 U*	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 U*	*1 U*	NR	NR	NR	*1 UJ*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 U*	*1 U*	NR	NR	NR	*1 UJ*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 U*	*1 U*	NR	NR	NR	*1 UJ*	*1 U*	*1 U*	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U	5 U	NR	NR	NR	5 UJ	5 U	5 U	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 U*	*1 U*	NR	NR	NR	*1 UJ*	*1 U*	*1 U*	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U	5 U	NR	NR	NR	5 UJ	5 U	5 U	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	NR	NR	NR	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*

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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW07	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08
										Sample Date	9/18/2012	4/23/2009	4/23/2009	4/23/2009	4/23/2009	9/23/2009	3/11/2010	3/11/2010	9/22/2010
										Lab Sample ID	510-83632-1	510-39296-1	510-39296-2	510-39296-3	510-39296-4	510-44875-2	510-50340-6	510-50340-7	510-57054-4
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	FD	TRG
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 U	5 U	NR	NR	NR	5 UJ	5 U	5 U	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	5 U	5 U	NR	NR	NR	5 UJ	5 U	5 U	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 U	20 U	NR	NR	NR	20 UJ	20 U	20 U	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 U*	*100 U*	NR	NR	NR	*100 UJ*	*100 U*	*100 U*	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 U*	*20 U*	NR	NR	NR	*20 UJ*	*20 U*	*20 U*	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*0.5 U*	*1 U*	NR	NR	NR	*1 UJ*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*	*1 U*	NR	NR	NR	*1 UJ*	*1 U*	*1 U*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U	1 U	NR	NR	NR	1 UJ	1 U	1 U	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 U	1 U	NR	NR	NR	1 UJ	1 U	1 U	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 U	5 U	NR	NR	NR	5 UJ	5 U	5 U	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*	*1 U*	NR	NR	NR	*1 UJ*	*1 U*	*1 U*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U	1 U	NR	NR	NR	1 UJ	1 U	1 U	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U	1 U	NR	NR	NR	1 UJ	1 U	1 U	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*	*1 U*	NR	NR	NR	*1 UJ*	*1 U*	*1 U*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U	1 U	NR	NR	NR	1 UJ	1 U	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	NR	NR	NR	1 UJ	1 U	1 U	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*	*1 U*	NR	NR	NR	*1 UJ*	*1 U*	*1 U*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U	1 U	NR	NR	NR	1 UJ	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U	1 U	NR	NR	NR	1 UJ	1 U	1 U	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 U	2.5 U	NR	NR	NR	2.5 UJ	2.5 U	2.5 U	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	0.5 U	1 U	NR	NR	NR	1 UJ	1 U	1 U	1 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 U	2.5 U	NR	NR	NR	2.5 UJ	2.5 U	2.5 U	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	NR	100 U	NR	NR	NR	100 UJ	100 U	100 U	100 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	NR	NR	NR	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 U	2.5 U	NR	NR	NR	2.5 UJ	2.5 U	2.5 U	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	5 U	2 U	NR	NR	NR	2 UJ	2 U	2 U	2.9 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 U*	*2.5 U*	NR	NR	NR	*10 UJ*	*10 U*	*10 U*	*10 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	20 U	NR	NR	NR	20 UJ	20 U	20 U	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U	1 U	NR	NR	NR	1 UJ	1 U	1 U	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U	1 U	NR	NR	NR	1 UJ	1 U	1 U	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	0.5 U	1 U	NR	NR	NR	1 UJ	1 U	1 U	1 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U	1 U	NR	NR	NR	1 UJ	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	NR	NR	NR	1 UJ	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*10 U*	*2.5 U*	NR	NR	NR	*10 UJ*	*10 U*	*10 U*	*10 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*0.5 U*	*1 U*	NR	NR	NR	*1 UJ*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U	1 U	NR	NR	NR	1 UJ	1 U	1 U	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	2 U	5 U	NR	NR	NR	5 UJ	5 U	5 U	5 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*0.5 U*	*1 U*	NR	NR	NR	*1 UJ*	*1 U*	*1 U*	*1 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	1 U	2 U	NR	NR	NR	2 UJ	2 U	2 U	2 U

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R
										Sample Date	3/23/2011	9/13/2011	3/22/2012	9/19/2012	4/24/2009	4/24/2009	3/23/2011	9/13/2011	3/22/2012
										Lab Sample ID	510-63501-5	510-69947-8	510-76942-1	510-83685-7	510-39303-6	510-39303-6	510-63501-3	510-69947-4	510-76942-3
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG2	TRG	TRG	TRG
Semi-Volatile Organic Compounds (SVOCs)																			
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*5 U*	*5.4 UJ*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 U*	*5.7 UJ*	*5 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*2 U*	*2.2 UJ*	*2 U*	*2 U*	*2 U*	NR	*2.2 U*	*2.3 UJ*	*2 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	2 U	2.2 UJ	2 U	2 U	2 U	NR	2.2 U	2.3 UJ	2 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	5 U	5.4 U	5.1 U	5 U	5.1 U	NR	5.4 U	5.7 U	5 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	2 U	2.2 UJ	2 U	2 U	2 U	NR	2.2 U	2.3 UJ	2 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*2 U*	*2.2 UJ*	*2 U*	*2 U*	*2 U*	NR	*2.2 U*	*2.3 UJ*	*2 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*20 U*	*22 UJ*	*20 U*	*20 UJ*	*20 U*	NR	*22 U*	*23 UJ*	*20 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	11 U	10 U	10 U	10 U	NR	11 U	11 U	10 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	11 U	10 U	10 U	5.1 U	NR	11 U	11 U	10 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	5 U	5.4 U	5.1 U	5 U	5.1 U	NR	5.4 U	5.7 U	5 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*10 U*	*11 U*	*10 U*	*10 U*	*10 U*	NR	*11 U*	*11 U*	*10 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*5 U*	*5.4 U*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 U*	*5.7 U*	*5 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	10 U	11 UJ	10 U	10 U	10 U	NR	11 U	11 UJ	10 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	10 U	11 UJ	10 U	10 U	10 U	NR	11 U	11 UJ	10 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	*20 U*	*22 U*	*20 U*	*20 UJ*	*20 U*	NR	*22 U*	*23 U*	*20 U*
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*1 U*	*1.1 U*	*1 U*	*1 U*	*1 U*	NR	*1.1 U*	*1.1 U*	*1 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*5 U*	*5.4 UJ*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 U*	*5.7 UJ*	*5 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*0.5 U*	*0.54 U*	*0.51 U*	*0.5 U*	*0.51 U*	NR	*0.54 U*	*0.57 U*	*0.5 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*5 U*	*5.4 U*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 U*	*5.7 U*	*5 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*2 U*	*2.2 UJ*	*2 U*	*2 U*	*2 U*	NR	*2.2 U*	*2.3 UJ*	*2 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	5 UJ	5.4 UJ	5.1 U	5 U	5.1 U	NR	5.4 UJ	5.7 UJ	5 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	0.5 U	0.54 UJ	0.51 U	0.5 U	0.51 U	NR	0.54 U	0.57 UJ	5 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	2 U	2.2 UJ	2 U	2 U	2 U	NR	2.2 U	2.3 UJ	2 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*10 U*	*11 U*	*10 U*	*10 U*	*5.1 U*	NR	*11 U*	*11 U*	*10 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	5 U	5.4 U	5.1 U	5 U	5.1 U	NR	5.4 U	5.7 U	5 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	10 U	11 UJ	10 U	10 UJ	10 U	NR	11 U	11 UJ	10 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	11 U	10 U	10 U	10 U	NR	11 U	11 U	10 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*10 U*	*11 U*	*10 U*	*10 U*	*10 U*	NR	*11 U*	*11 U*	*10 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2 U	2.2 UJ	2 U	2 UJ	15	NR	2.2 U	2.3 UJ	2 U
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*5 UJ*	*5.4 UJ*	*5.1 U*	*5 UJ*	*5.1 U*	NR	*5.4 UJ*	*5.7 UJ*	*5 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	*20 U*	*22 UJ*	*20 U*	R	NR	*20 U*	*22 U*	*23 UJ*	*20 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*5 U*	*5.4 U*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 U*	*5.7 U*	*5 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	11 U	10 U	10 UJ	10 U	NR	11 U	11 U	10 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*20 U*	*22 U*	*20 U*	*20 UJ*	*20 U*	NR	*22 U*	*23 U*	*20 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*10 U*	*11 U*	*10 U*	*10 U*	*5.1 U*	NR	*11 U*	*11 U*	*10 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*5 U*	*5.4 U*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 U*	*5.7 U*	*5 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	10 U	11 UJ	10 U	10 U	10 U	NR	11 U	11 UJ	10 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*10 U*	*11 U*	*10 U*	*10 U*	*10 U*	NR	*11 U*	*11 U*	*10 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	5.4 UJ	5.1 U	5 U	5.1 U	NR	5.4 U	5.7 UJ	5 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*10 U*	*11 U*	*10 U*	*10 UJ*	*10 U*	NR	*11 U*	*11 U*	*10 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	20 U	22 U	20 U	20 U	20 U	NR	22 U	23 U	20 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	22 U	20 U	NR	20 U	NR	22 U	23 U	20 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	5 U	5.4 U	5.1 U	5 U	5.1 U	NR	5.4 U	5.7 U	5 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*5 U*	*5.4 U*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 U*	*5.7 U*	*5 U*
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	40 U	43 U	40 U	40 U	41 U	NR	43 U	45 U	40 U
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	1 U	1.1 U	1 U	1 U	1 U	NR	1.1 U	1.1 U	1 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	1 U	1.1 UJ	1 U	1 U	1 U	NR	1.1 U	1.1 UJ	1 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	5 U	5.4 UJ	5.1 U	5 U	5.1 U	NR	5.4 U	5.7 UJ	5 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*20 U*	*22 UJ*	*20 U*	*20 UJ*	*20 U*	NR	*22 U*	*23 UJ*	*20 U*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*1 U*	*1.1 UJ*	*1 U*	*1 U*	*1 U*	NR	*1.1 U*	**1.5 J**	*1 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R
										Sample Date	3/23/2011	9/13/2011	3/22/2012	9/19/2012	4/24/2009	4/24/2009	3/23/2011	9/13/2011	3/22/2012
										Lab Sample ID	510-63501-5	510-69947-8	510-76942-1	510-83685-7	510-39303-6	510-39303-6	510-63501-3	510-69947-4	510-76942-3
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG2	TRG	TRG	TRG
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*5 U*	*5.4 U*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 U*	*5.7 U*	*5 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*0.2 U*	*0.22 U*	*0.2 U*	*0.2 U*	*0.2 U*	NR	*0.22 U*	*0.23 U*	*0.2 U*
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*0.2 U*	*0.22 U*	*0.2 U*	*0.2 U*	*0.2 U*	NR	*0.22 U*	*0.23 U*	*0.2 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*0.2 U*	*0.22 UJ*	*0.2 U*	*0.2 U*	*0.2 U*	NR	*0.22 U*	*0.23 UJ*	*0.2 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	1 U	1.1 U	1 U	1 U	1 U	NR	1.1 U	1.1 U	1 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.2 U	0.22 UJ	0.2 U	0.2 U	0.2 U	NR	0.22 U	0.23 UJ	0.2 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	*20 U*	*22 UJ*	*20 U*	*20 U*	*20 U*	NR	*22 U*	*23 UJ*	*20 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	2 U	2.2 UJ	2 U	2 U	2 U	NR	2.2 U	2.3 UJ	2 U
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	2 UJ	2.2 UJ	2 U	2 U	2 U	NR	2.2 UJ	2.3 UJ	2 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*2 U*	*2.2 UJ*	*2 U*	*2 U*	*2 U*	NR	*2.2 U*	*2.3 UJ*	*2 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*10 U*	*11 U*	*10 U*	*10 U*	*10 U*	NR	*11 U*	*11 U*	*10 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	2 U	2.2 UJ	2 U	2 U	2 U	NR	2.2 U	2.3 UJ	2 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	5.4 UJ	5.1 U	5 U	NR	NR	5.4 U	5.7 UJ	5 U
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*5 U*	*5.4 U*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 U*	*5.7 U*	*5 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.5 U	0.54 UJ	0.51 U	0.5 U	0.51 U	NR	0.54 U	0.57 UJ	0.5 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*5 U*	*5.4 U*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 U*	*5.7 U*	*5 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*0.3 U*	*0.33 UJ*	*0.3 U*	*0.3 U*	*0.31 U*	NR	*0.32 U*	*0.34 UJ*	*0.3 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	2 U	2.2 UJ	2 U	2 U	2 U	NR	2.2 U	2.3 UJ	2 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	2 U	2.2 U	2 U	2 U	2 U	NR	2.2 U	2.3 U	2 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	2 U	2.2 U	2 U	2 U	2 U	NR	2.2 U	2.3 U	2 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	5 U	5.4 UJ	5.1 U	5 UJ	5.1 U	NR	5.4 U	5.7 UJ	5 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	10 U	11 UJ	10 U	10 UJ	10 U	NR	11 U	11 UJ	10 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	5 U	5.4 U	5.1 U	5 U	5.1 U	NR	5.4 U	5.7 U	5 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	5.4 U	5.1 U	5 U	5.1 U	NR	5.4 U	5.7 U	5 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	1 U	1.1 UJ	1 U	1 U	1 U	NR	1.1 U	1.1 UJ	1 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	1 U	1.1 U	1 U	1 U	1 U	NR	1.1 U	1.1 U	1 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*0.5 U*	*0.54 U*	*0.51 U*	*0.5 U*	*0.51 U*	NR	*0.54 U*	*0.57 U*	*0.5 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*5 U*	*5.4 UJ*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 U*	*5.7 UJ*	*5 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*20 U*	*22 UJ*	*20 U*	*20 UJ*	*20 U*	NR	*22 U*	*23 UJ*	*20 U*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*5 U*	*5.4 UJ*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 U*	*5.7 UJ*	*5 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*100 U*	*110 U*	*100 U*	*100 U*	*100 U*	NR	*110 U*	*110 U*	*100 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 UJ	22 UJ	20 U	20 UJ	20 U	NR	22 UJ	23 UJ	20 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*0.2 U*	*0.22 UJ*	*0.2 U*	*0.2 U*	*0.2 U*	NR	*0.22 U*	*0.23 UJ*	*0.2 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	2 U	2.2 UJ	2 U	2 U	2 U	NR	2.2 U	2.3 UJ	2 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	5.4 U	5.1 U	5 U	5.1 U	NR	5.4 U	5.7 U	5 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*5 U*	*5.4 U*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 U*	*5.7 U*	*5 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	40 U	43 U	40 U	40 U	41 U	NR	43 U	45 U	40 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*5 U*	*5.4 U*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 U*	*5.7 U*	*5 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*1 U*	*1.1 UJ*	*1 U*	*1 U*	**1.4**	NR	*1.1 U*	*1.1 UJ*	*1 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*1 U*	*1.1 UJ*	*1 U*	*1 U*	*1 U*	NR	*1.1 U*	*1.1 UJ*	*1 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*5 UJ*	*5.4 UJ*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 UJ*	*5.7 UJ*	*5 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*10 U*	*11 UJ*	*10 U*	*10 U*	*10 U*	NR	*11 U*	*11 UJ*	*10 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*5 U*	*5.4 UJ*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 U*	*5.7 UJ*	*5 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*0.5 U*	*0.54 UJ*	*0.51 U*	*0.5 U*	*0.51 U*	NR	*0.54 U*	*0.57 UJ*	*0.5 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	1 U	1.1 UJ	1 U	1 U	1 U	NR	1.1 U	1.1 UJ	1 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*5 UJ*	*5.4 UJ*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 UJ*	*5.7 UJ*	*5 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*5 U*	*5.4 U*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 U*	*5.7 U*	*5 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	5.4 UJ	5.1 U	5 U	5.1 U	NR	5.4 U	5.7 UJ	5 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*5 U*	*5.4 UJ*	*5.1 U*	*5 UJ*	*5.1 U*	NR	*5.4 U*	*5.7 UJ*	*5 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	5.4 U	5.1 U	5 U	5.1 U	NR	5.4 U	5.7 U	5 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*5 U*	*5.4 U*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 U*	*5.7 U*	*5 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R
										Sample Date	**3/23/2011**	**9/13/2011**	**3/22/2012**	**9/19/2012**	**4/24/2009**	**4/24/2009**	**3/23/2011**	**9/13/2011**	**3/22/2012**
										Lab Sample ID	**510-63501-5**	**510-69947-8**	**510-76942-1**	**510-83685-7**	**510-39303-6**	**510-39303-6**	**510-63501-3**	**510-69947-4**	**510-76942-3**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG2**	**TRG**	**TRG**	**TRG**
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*5 U*	*5.4 UJ*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 U*	*5.7 UJ*	*5 U*
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 UJ*	*11 UJ*	*10 UJ*	*10 U*	NR	NR	*11 UJ*	*11 UJ*	*10 UJ*
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*5 U*	*5.4 U*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 U*	*5.7 U*	*5 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*20 U*	*22 U*	*20 U*	*20 UJ*	*20 U*	NR	*22 U*	*23 U*	*20 U*
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	5 U	5.4 U	5.1 U	5 U	5.1 U	NR	5.4 U	5.7 U	5 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	*1 U*	*1.1 U*	*1 U*	*1 U*	*1 U*	NR	*1.1 U*	*1.1 U*	*1 U*
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	5 U	5.4 UJ	5.1 U	5 U	39	NR	5.4 U	5.7 UJ	5 U
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NV	NV	NV	NV	NV	40 U	43 U	40 U	40 U	41 U	NR	43 U	45 U	40 U
Pronamide	23950-58-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	10 U	11 U	10 U	10 U	5.1 U	NR	11 U	11 U	10 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*1 U*	*1.1 UJ*	*1 U*	*1 U*	*1 U*	NR	*1.1 U*	*1.1 UJ*	*1 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	20 U	*22 UJ*	20 U	R	20 U	NR	*22 U*	*23 UJ*	20 U
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	*10 U*	*11 U*	*10 U*	*10 U*	NR	NR	*11 U*	*11 U*	*10 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*5 U*	*5.4 U*	*5.1 U*	*5 U*	*5.1 U*	NR	*5.4 U*	*5.7 U*	*5 U*
General Chemistry																			
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	*10 U*	*10 U*	*10 U*	NR	NR	NR	*10 U*	*10 U*
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Metals																			
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	*30 U*	*2 UJ*	*2 U*	*2 U*	*30 U*	NR	*30 U*	**6.8**	**3.7**
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	42	33 J	28	29	15	NR	45	64	57
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	*10 U*	1 UJ	1 U	1 U	*10 U*	NR	*10 U*	1 U	1 U
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	10 U	1.5 UJ	1.5 U	1.5 U	10 U	NR	10 U	1.5 U	1.5 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	*50 U*	0.5 UJ	0.5 U	0.5 U	*50 U*	NR	*50 U*	5.1	2.1
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	**100**	**23 J**	*15 U*	*15 U*	NR	NR	*15 U*	*15 U*	*15 U*
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	NR	0.2 U	0.2 U	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	*20 U*	1 UJ	1.2	1 U	*20 U*	NR	*20 U*	1 U	1 U
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	*40 U*	*2 UJ*	*2 U*	*2 U*	*40 U*	NR	*40 U*	*2 U*	*2 U*
Polychlorinated Biphenyls (PCBs)																			
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	*0.53 U*	*0.59 U*	*0.52 U*	*0.53 U*	*0.52 U*	NR	*0.53 U*	*0.54 U*	*0.51 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	*0.53 U*	*0.59 U*	*0.52 U*	*0.53 U*	*0.52 U*	NR	*0.53 U*	*0.54 U*	*0.51 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	*0.53 U*	*0.59 U*	*0.52 U*	*0.53 U*	*0.52 U*	NR	*0.53 U*	*0.54 U*	*0.51 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	*0.53 U*	*0.59 U*	*0.52 U*	*0.53 U*	*0.52 U*	NR	*0.53 U*	*0.54 U*	*0.51 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	*0.53 U*	*0.59 U*	*0.52 U*	*0.53 U*	*0.52 U*	NR	*0.53 U*	*0.54 U*	*0.51 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	*0.53 U*	*0.59 U*	*0.52 U*	*0.53 U*	*0.52 U*	NR	*0.53 U*	*0.54 U*	*0.51 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	*0.53 U*	*0.59 U*	*0.52 U*	*0.53 U*	*0.52 U*	NR	*0.53 U*	*0.54 U*	*0.51 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	*0.53 U*	*0.59 U*	*0.52 U*	*0.53 U*	*0.52 U*	NR	*0.53 U*	*0.54 U*	*0.51 U*
Volatile Organic Compounds (VOCS)																			
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	NR	*2 U*	*2 U*	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	*1 U*	*1 U*	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	94 U	NR	5 U	5 U	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	*1 U*	*1 U*	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	NR	5 U	5 U	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	NR	*2.5 U*	*2.5 U*	*2.5 U*

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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R
										Sample Date	**3/23/2011**	**9/13/2011**	**3/22/2012**	**9/19/2012**	**4/24/2009**	**4/24/2009**	**3/23/2011**	**9/13/2011**	**3/22/2012**
										Lab Sample ID	**510-63501-5**	**510-69947-8**	**510-76942-1**	**510-83685-7**	**510-39303-6**	**510-39303-6**	**510-63501-3**	**510-69947-4**	**510-76942-3**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG2**	**TRG**	**TRG**	**TRG**
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	NR	5 U	5 U	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	**2400**	NR	5 U	71	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 U	20 U	20 U	20 U	28	NR	20 U	20 U	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*	NR	*100 U*	*100 U*	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	NR	*20 U*	*20 U*	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	**2.4**	NR	*0.5 U*	*0.5 U*	*0.5 U*
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	*1 U*	*1 U*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 UJ	1 U	NR	1 U	1 U	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	NR	5 U	5 U	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	*1 U*	*1 U*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1.3	NR	1 U	1 U	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	*1 U*	*1 U*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	*1 U*	*1 U*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	0.5 U	0.5 U	0.5 U	0.5 U	1 U	NR	0.5 U	0.5 U	0.5 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	100 U	100 U	100 U	NR	100 U	NR	100 U	100 U	100 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	NR	*2.5 U*	*2.5 U*	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	2 U	5 U	5 U	5 U	2 U	NR	2 U	5 U	5 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 U*	*10 U*	*10 U*	*10 U*	*2.5 U*	NR	*10 U*	*10 U*	*10 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	20 U	20 U	20 U	20 U	NR	20 U	20 U	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	0.5 U	0.5 U	0.5 U	0.5 U	1.5	NR	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*10 U*	*10 U*	*10 U*	*10 U*	*2.5 U*	NR	*10 U*	*10 U*	*10 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*1 U*	*0.5 U*	*1 U*	NR	*0.5 U*	*0.5 U*	*1 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	2 U	2 U	2 U	2 U	5 U	NR	2 U	2 U	2 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR	*0.5 U*	*0.5 U*	*0.5 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	2 U	NR	1 U	1 U	1 U

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW09R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R
										Sample Date	9/19/2012	4/21/2009	9/21/2009	3/10/2010	9/20/2010	3/22/2011	9/14/2011	9/14/2011	3/21/2012	9/18/2012
										Lab Sample ID	510-83685-1	510-39202-7	510-44768-4	510-50310-8	510-56995-6	510-63448-5	510-70004-4	510-70004-8	510-76890-4	510-83681-2
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	FD	TRG	TRG
Semi-Volatile Organic Compounds (SVOCs)																					
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*5 U*	*5.1 U*	*5.3 UJ*	*4.9 U*	*5.4 U*	*5.4 U*	*5.2 U*	*5.5 U*	*5.1 U*	*5 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*2 U*	*2 U*	*2.1 U*	*2 U*	*2.2 U*	*2.2 U*	*2.1 U*	*2.2 U*	*2 U*	*2 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	2 U	2 U	2.1 U	2 U	2.2 U	2.2 U	2.1 U	2.2 U	2 U	2 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	2 U	2 U	2.1 U	2 U	2.2 U	2.2 U	2.1 U	2.2 U	2 U	2 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*2 U*	*2 U*	*2.1 U*	*2 U*	*2.2 U*	*2.2 U*	*2.1 U*	*2.2 U*	*2 U*	*2 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*20 UJ*	*20 UJ*	*21 UJ*	*20 U*	*22 U*	*22 U*	*21 U*	*22 U*	*20 U*	*20 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	10 U	11 UJ	9.8 U	11 U	11 U	10 U	11 U	10 U	10 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	5.1 U	5.3 UJ	9.8 U	11 U	11 U	10 U	11 U	10 U	10 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*10 U*	*10 U*	*11 U*	*9.8 U*	*11 U*	*11 U*	*10 U*	*11 U*	*10 U*	*10 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*5 U*	*5.1 U*	*5.3 U*	*4.9 U*	*5.4 U*	*5.4 U*	*5.2 U*	*5.5 U*	*5.1 U*	*5 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	10 U	10 U	11 U	9.8 U	11 U	11 U	10 U	11 U	10 U	10 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	10 U	10 U	11 U	9.8 U	11 U	11 U	10 U	11 U	10 U	10 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	*20 UJ*	*20 U*	*21 U*	*20 U*	*22 U*	*22 U*	*21 U*	*22 U*	*20 U*	*20 U*
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1.1 U*	*0.98 U*	*1.1 U*	*1.1 U*	*1 U*	*1.1 U*	*1 U*	*1 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*5 U*	*5.1 U*	*5.3 UJ*	*4.9 U*	*5.4 U*	*5.4 U*	*5.2 U*	*5.5 U*	*5.1 U*	*5 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*0.5 U*	*0.51 U*	*0.53 U*	*0.49 U*	*0.54 U*	*0.54 U*	*0.52 U*	*0.55 U*	*0.51 U*	*0.5 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*5 U*	*5.1 U*	*5.3 UJ*	*4.9 U*	*5.4 U*	*5.4 U*	*5.2 U*	*5.5 U*	*5.1 U*	*5 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*2 U*	*2 U*	*2.1 U*	*2 U*	*2.2 U*	*2.2 U*	*2.1 U*	*2.2 U*	*2 U*	*2 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 U	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	0.5 U	0.51 U	0.53 U	0.49 U	0.54 U	0.54 U	0.52 U	0.55 U	0.51 U	0.5 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	2 U	2 U	2.1 U	2 U	2.2 U	2.2 U	2.1 U	2.2 U	2 U	2 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*10 U*	*5.1 U*	*5.3 UJ*	*9.8 U*	*11 U*	*11 U*	*10 U*	*11 U*	*10 U*	*10 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 U	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	10 UJ	10 U	11 U	9.8 U	11 U	11 U	10 U	11 U	10 U	10 UJ
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	10 U	11 UJ	9.8 U	11 U	11 U	10 U	11 U	10 U	10 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*10 U*	*10 U*	*11 UJ*	*9.8 U*	*11 U*	*11 U*	*10 U*	*11 U*	*10 U*	*10 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2 UJ	2 U	2.1 U	2 U	2.2 U	2.2 U	2.1 U	2.2 U	2 U	2 U
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*5 UJ*	*5.1 U*	*5.3 U*	*4.9 U*	*5.4 U*	*5.4 U*	*5.2 U*	*5.5 U*	*5.1 U*	*5 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	R	*20 U*	*21 UJ*	*20 U*	*22 UJ*	*22 U*	*21 UJ*	*22 UJ*	*20 U*	*20 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*5 U*	*5.1 U*	*5.3 UJ*	*4.9 U*	*5.4 U*	*5.4 U*	*5.2 U*	*5.5 U*	*5.1 U*	*5 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 UJ	10 U	11 U	9.8 U	11 U	11 U	10 U	11 U	10 U	10 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*20 UJ*	*20 U*	*21 U*	*20 U*	*22 U*	*22 U*	*21 U*	*22 U*	*20 U*	*20 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*10 U*	*5.1 U*	*5.3 UJ*	*9.8 U*	*11 U*	*11 U*	*10 U*	*11 U*	*10 U*	*10 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*5 U*	*5.1 U*	*5.3 U*	*4.9 U*	*5.4 U*	*5.4 U*	*5.2 U*	*5.5 U*	*5.1 U*	*5 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	10 U	10 U	11 U	9.8 U	11 U	11 U	10 U	11 U	10 U	10 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*10 U*	*10 U*	*11 U*	*9.8 U*	*11 U*	*11 U*	*10 U*	*11 U*	*10 U*	*10 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 U	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*10 UJ*	*10 U*	*11 U*	*9.8 U*	*11 U*	*11 U*	*10 U*	*11 U*	*10 U*	*10 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	20 U	20 U	21 UJ	20 U	22 U	22 U	21 U	22 U	20 U	20 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	20 U	21 UJ	20 U	22 U	22 U	21 U	22 U	20 U	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*5 U*	*5.1 U*	*5.3 UJ*	*4.9 U*	*5.4 U*	*5.4 U*	*5.2 U*	*5.5 U*	*5.1 U*	*5 U*
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	40 U	41 U	42 UJ	39 U	43 U	43 U	41 U	44 U	41 U	40 U
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	1 U	1 U	1.1 U	0.98 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	1 U	1 U	1.1 U	0.98 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*20 UJ*	*20 U*	*21 U*	*20 U*	*22 U*	*22 U*	*21 U*	*22 U*	*20 U*	*20 U*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1.1 U*	*0.98 U*	*1.1 U*	*1.1 U*	*1 U*	*1.1 U*	*1 U*	*1 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW09R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R
										Sample Date	9/19/2012	4/21/2009	9/21/2009	3/10/2010	9/20/2010	3/22/2011	9/14/2011	9/14/2011	3/21/2012	9/18/2012
										Lab Sample ID	510-83685-1	510-39202-7	510-44768-4	510-50310-8	510-56995-6	510-63448-5	510-70004-4	510-70004-8	510-76890-4	510-83681-2
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	FD	TRG	TRG
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	0.2 U	0.2 U	0.21 U	0.2 U	0.22 U	0.22 U	0.21 U	0.22 U	0.2 U	0.2 U
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	0.2 U	0.2 U	0.21 U	0.2 U	0.22 U	0.22 U	0.21 U	0.22 U	0.2 U	0.2 U
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	0.2 U	0.2 U	0.21 U	0.2 U	0.22 U	0.22 U	0.21 U	0.22 U	0.2 U	0.2 U
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	1 U	1 U	1.1 U	0.98 U	1.1 U	1.1 U	1 U	1.1 U	1 UJ	1 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.2 U	0.2 U	0.21 U	0.2 U	0.22 U	0.22 U	0.21 U	0.22 U	0.2 U	0.2 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	20 U	20 U	21 U	20 U	22 U	22 U	21 U	22 U	20 U	20 U
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	2 U	NR	NR	NR	2.2 U	2.2 U	2.1 U	2.2 U	2 U	2 U
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	2 U	2 U	2.1 U	2 U	2.2 U	2.2 U	2.1 U	2.2 U	2 U	2 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	2 U	2 U	2.1 U	2 U	2.2 U	2.2 U	2.1 U	2.2 U	2 U	2 U
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	10 U	10 U	11 U	9.8 U	11 U	11 U	10 U	11 U	10 U	10 U
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	2 U	2 U	2.1 U	2 U	2.2 U	2.2 U	2.1 U	2.2 U	2 U	2 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	NR	NR	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.5 U	0.51 U	0.53 U	0.49 U	0.54 U	0.54 U	0.52 U	0.55 U	0.51 U	0.5 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	0.3 U	0.31 U	0.32 U	0.29 U	0.32 U	0.32 U	0.31 U	0.33 U	0.31 U	0.3 U
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	2 U	2 U	2.1 U	2 U	2.2 U	2.2 U	2.1 U	2.2 U	2 U	2 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	2 U	2 U	2.1 U	2 U	2.2 U	2.2 U	2.1 U	2.2 U	2 U	2 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	2 U	2 U	2.1 U	2 U	2.2 U	2.2 U	2.1 U	2.2 U	2 U	2 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	5 UJ	5.1 U	5.3 U	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	10 UJ	10 U	11 U	9.8 U	11 U	11 U	10 U	11 U	10 U	10 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	1 U	1 U	1.1 U	0.98 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	1 U	1 U	1.1 U	0.98 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	0.5 U	0.51 U	0.53 U	0.49 U	0.54 U	0.54 U	0.52 U	0.55 U	0.51 U	0.5 U
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 U	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	20 UJ	20 U	21 U	20 U	22 U	22 U	21 U	22 U	20 U	20 U
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 U	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	100 U	100 U	110 UJ	98 U	110 U	110 U	100 U	110 U	100 U	100 U
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 UJ	20 U	21 U	20 U	22 U	22 UJ	21 U	22 U	20 U	20 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	0.2 U	0.2 U	0.21 U	0.2 U	0.22 U	0.22 U	0.21 U	0.22 U	0.2 U	0.2 U
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	2 U	2 U	2.1 U	2 U	2.2 U	2.2 U	2.1 U	2.2 U	2 U	2 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	40 U	41 U	42 UJ	39 U	43 U	43 U	41 U	44 U	41 U	40 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	1 U	1 U	1.1 U	0.98 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	1 U	1 U	1.1 U	0.98 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	10 U	10 UJ	11 U	9.8 U	11 U	11 U	10 U	11 U	10 U	10 U
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	0.5 U	0.51 U	0.53 U	0.49 U	0.54 U	0.54 U	0.52 U	0.55 U	0.51 U	0.5 U
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	1 U	1 U	1.1 U	0.98 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	5 UJ	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U

Table 2A
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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW09R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R
										Sample Date	9/19/2012	4/21/2009	9/21/2009	3/10/2010	9/20/2010	3/22/2011	9/14/2011	9/14/2011	3/21/2012	9/18/2012
										Lab Sample ID	510-83685-1	510-39202-7	510-44768-4	510-50310-8	510-56995-6	510-63448-5	510-70004-4	510-70004-8	510-76890-4	510-83681-2
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	FD	TRG	TRG
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	10 U	NR	NR	NR	11 U	11 UJ	10 U	11 U	10 U	10 U
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	20 UJ	20 U	21 U	20 U	22 U	22 U	21 U	22 U	20 U	20 U
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	1 U	1 U	1.1 U	0.98 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 U	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NV	NV	NV	NV	NV	40 U	41 U	42 UJ	39 U	43 U	43 U	41 U	44 U	41 U	40 U
Pronamide	23950-58-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	10 U	5.1 U	5.3 UJ	9.8 U	11 U	11 U	10 U	11 U	10 U	10 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	1 U	1 U	1.1 U	0.98 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	R	20 UJ	21 UJ	20 U	22 U	22 U	21 U	22 U	20 U	20 U
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	10 U	NR	NR	NR	NR	11 U	10 U	11 U	10 U	10 U
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	5 U	5.1 U	5.3 UJ	4.9 U	5.4 U	5.4 U	5.2 U	5.5 U	5.1 U	5 U
General Chemistry																				
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	10 U	NR	NR	NR	NR	NR	**15 J**	**15 J**	10 U	10 U
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	10 U	10 U	NR	NR
Total Metals																				
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	**3.3**	30 U	**52**	**52**	**42**	**36**	**47**	**48**	**48**	**42**
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	62	66	69	60	84	84	81	83	75	74
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	1 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	1.5 U	10 U	10 U	10 U	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	5.7	50 U	50 U	50 U	50 U	50 U	0.5 U	0.5 U	0.83	0.5 U
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	15 U	NR	NR	NR	NR	15 U	15 U	15 U	15 U	15 U
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	1 U	20 U	20 U	20 U	20 U	20 U	1.1	1 U	1 U	1 U
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	2 U	40 U	40 U	40 U	40 U	40 U	2 U	2 U	2 U	2 U
Polychlorinated Biphenyls (PCBs)																				
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	0.51 U	0.51 U	0.55 U	0.5 U	0.61 U	0.55 U	0.54 U	0.53 U	0.51 U	0.53 U
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	0.51 U	0.51 U	0.55 U	0.5 U	0.61 U	0.55 U	0.54 U	0.53 U	0.51 U	0.53 U
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	0.51 U	0.51 U	0.55 U	0.5 U	0.61 U	0.55 U	0.54 U	0.53 U	0.51 U	0.53 U
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	0.51 U	0.51 U	0.55 U	0.5 U	0.61 U	0.55 U	0.54 U	0.53 U	0.51 U	0.53 U
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	0.51 U	0.51 U	0.55 U	0.5 U	0.61 U	0.55 U	0.54 U	0.53 U	0.51 U	0.53 U
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	0.51 U	0.51 U	0.55 U	0.5 U	0.61 U	0.55 U	0.54 U	0.53 U	0.51 U	0.53 U
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	0.51 U	0.51 U	0.55 U	0.5 U	0.61 U	0.55 U	0.54 U	0.53 U	0.51 U	0.53 U
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	0.51 U	0.51 U	0.55 U	0.5 U	0.61 U	0.55 U	0.54 U	0.53 U	0.51 U	0.53 U
Volatile Organic Compounds (VOCS)																				
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	2 U	2 U	2 UJ	2 U	2 U	2 U	2 UJ	2 UJ	2 U	2 U
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U

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Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW09R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R
										Sample Date	9/19/2012	4/21/2009	9/21/2009	3/10/2010	9/20/2010	3/22/2011	9/14/2011	9/14/2011	3/21/2012	9/18/2012
										Lab Sample ID	510-83685-1	510-39202-7	510-44768-4	510-50310-8	510-56995-6	510-63448-5	510-70004-4	510-70004-8	510-76890-4	510-83681-2
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	FD	TRG	TRG
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 U	20 U	20 UJ	20 U	20 U	20 U	20 UJ	20 UJ	20 U	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 U*	*100 U*	*100 UJ*	*100 U*	*100 U*	*100 U*	*100 UJ*	*100 UJ*	*100 U*	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 U*	*20 U*	*20 UJ*	*20 U*	*20 U*	*20 U*	*20 UJ*	*20 UJ*	*20 U*	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*0.5 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*0.5 U*	*0.5 UJ*	*0.5 UJ*	*0.5 U*	*0.5 U*
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 UJ*	*1 U*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 UJ*	*1 U*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 UJ*	*1 U*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 UJ*	*1 U*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	0.5 U	1 U	1 UJ	1 U	1 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	NR	100 U	100 UJ	100 U	100 U	100 U	100 UJ	100 UJ	100 U	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 UJ*	*2.5 UJ*	*2.5 U*	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	5 U	2 U	2 UJ	2 U	2 U	2 U	5 UJ	5 UJ	5 U	5 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 U*	*2.5 U*	*10 UJ*	*10 U*	*10 U*	*10 U*	*10 UJ*	*10 UJ*	*10 U*	*10 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	20 U	20 UJ	20 U	20 U	20 U	20 UJ	20 UJ	20 U	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	0.5 U	2	1 UJ	1 U	1 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*10 U*	*2.5 U*	*10 UJ*	*10 U*	*10 U*	*10 U*	*10 UJ*	*10 UJ*	*10 U*	*10 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*0.5 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*0.5 U*	*0.5 UJ*	*0.5 UJ*	*0.5 U*	*0.5 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	2 U	5 U	5 UJ	5 U	5 U	2 U	2 UJ	2 UJ	2 U	2 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*0.5 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*0.5 U*	*0.5 UJ*	*0.5 UJ*	*0.5 U*	*0.5 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	1 U	2 U	2 UJ	2 U	2 U	1 U	1 UJ	1 UJ	1 U	1 U

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P06R
										Sample Date	4/23/2009	9/23/2009	3/11/2010	9/22/2010	3/23/2011	9/13/2011	9/13/2011	3/21/2012	9/19/2012	4/22/2009
										Lab Sample ID	510-39296-7	510-44875-5	510-50340-3	510-57054-2	510-63501-2	510-69947-2	510-69947-3	510-76890-6	510-83685-5	510-39250-1
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	FD	TRG	TRG	TRG
Semi-Volatile Organic Compounds (SVOCs)																				
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*5.3 U*	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.5 U*	*5.1 UJ*	*5.3 UJ*	*5.2 U*	*5 U*	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*2.1 UJ*	*2 U*	*1.9 UJ*	*2.2 UJ*	*2.2 U*	*2 UJ*	*2.1 UJ*	*2.1 U*	*2 U*	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	2.1 UJ	2 U	1.9 UJ	2.2 U	2.2 U	2 UJ	2.1 UJ	2.1 U	2 U	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	5.3 U	5.1 UJ	4.7 U	5.6 U	5.5 U	5.1 U	5.3 U	5.2 U	5 U	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	2.1 UJ	2 U	1.9 UJ	2.2 U	2.2 U	2 UJ	2.1 UJ	2.1 U	2 U	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*2.1 UJ*	*2 U*	*1.9 UJ*	*2.2 U*	*2.2 U*	*2 UJ*	*2.1 UJ*	*2.1 U*	*2 U*	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*21 U*	*20 UJ*	*19 U*	*22 U*	*22 U*	*20 UJ*	*21 UJ*	*21 U*	*20 UJ*	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 U	10 UJ	9.3 U	11 U	11 U	10 U	11 U	10 U	10 U	NR
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 U	5.1 UJ	9.3 U	11 U	11 U	10 U	11 U	10 U	10 U	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	5.3 U	5.1 UJ	4.7 U	5.6 U	5.5 U	5.1 U	5.3 U	5.2 U	5 U	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*11 U*	*10 U*	*9.3 U*	*11 U*	*11 U*	*10 U*	*11 U*	*10 U*	*10 U*	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*5.3 U*	*5.1 U*	*4.7 U*	*5.6 U*	*5.5 U*	*5.1 U*	*5.3 U*	*5.2 U*	*5 U*	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	11 UJ	10 U	9.3 UJ	11 UJ	11 U	10 UJ	11 UJ	10 U	10 U	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	11 U	10 U	9.3 U	11 UJ	11 U	10 UJ	11 UJ	10 U	10 U	NR
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	*21 U*	*20 U*	19 U	*22 U*	*22 U*	*20 U*	*21 U*	*21 U*	*20 UJ*	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*1.1 U*	*1 U*	*0.93 U*	*1.1 U*	*1.1 U*	*1 U*	*1.1 U*	*1 U*	*1 U*	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*5.3 U*	*5.1 UJ*	*4.7 UJ*	*5.6 UJ*	*5.5 U*	*5.1 UJ*	*5.3 UJ*	*5.2 U*	*5 U*	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*0.53 U*	*0.51 U*	*0.47 U*	*0.56 U*	*0.55 U*	*0.51 U*	*0.53 U*	*0.52 U*	*0.5 U*	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*5.3 U*	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.5 U*	*5.1 U*	*5.3 U*	*5.2 U*	*5 U*	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*2.1 U*	*2 U*	*1.9 U*	*2.2 U*	*2.2 U*	*2 UJ*	*2.1 UJ*	*2.1 U*	*2 U*	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	5.3 UJ	5.1 U	4.7 UJ	5.6 U	5.5 UJ	5.1 UJ	5.3 UJ	5.2 U	5 U	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	0.53 UJ	0.51 U	0.47 UJ	0.56 UJ	0.55 U	0.51 UJ	0.53 UJ	0.52 U	0.5 U	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	2.1 UJ	2 U	1.9 UJ	2.2 U	2.2 U	2 UJ	2.1 UJ	2.1 U	2 U	NR
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*5.3 U*	*5.1 UJ*	*9.3 U*	*11 U*	*11 U*	*10 U*	*11 U*	*10 U*	*10 U*	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	5.3 U	5.1 U	4.7 U	5.6 U	5.5 U	5.1 U	5.3 U	5.2 U	5 U	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	11 UJ	10 U	9.3 UJ	11 UJ	11 U	10 UJ	11 UJ	10 U	10 UJ	NR
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 U	10 UJ	9.3 U	11 U	11 U	10 U	11 U	10 U	10 U	NR
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*11 U*	*10 UJ*	*9.3 U*	*11 U*	*11 U*	*10 U*	*11 U*	*10 U*	*10 U*	NR
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.1 U	2 U	1.9 U	2.2 U	2.2 U	2 UJ	2.1 UJ	2.1 U	2 UJ	NR
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*5.3 UJ*	*5.1 U*	*4.7 U*	*5.6 U*	*5.5 UJ*	*5.1 UJ*	*5.3 UJ*	*5.2 U*	*5 UJ*	NR
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	R	*20 UJ*	*19 U*	*22 U*	*22 U*	*20 UJ*	*21 UJ*	*21 U*	R	NR
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*5.3 UJ*	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.5 U*	*5.1 U*	*5.3 U*	*5.2 U*	*5 U*	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 U	10 U	9.3 U	11 U	11 U	10 U	11 U	10 U	10 UJ	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*21 U*	*20 U*	*19 U*	*22 U*	*22 U*	*20 U*	*21 U*	*21 U*	*20 UJ*	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*5.3 U*	*5.1 UJ*	*9.3 U*	*11 U*	*11 U*	*10 U*	*11 U*	*10 U*	*10 U*	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*5.3 U*	*5.1 U*	*4.7 U*	*5.6 U*	*5.5 U*	*5.1 U*	*5.3 U*	*5.2 U*	*5 U*	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	11 U	10 U	9.3 U	11 UJ	11 U	10 UJ	11 UJ	10 U	10 U	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*11 UJ*	*10 U*	*9.3 U*	*11 UJ*	*11 U*	*10 U*	*11 U*	*10 U*	*10 U*	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 U	5.1 U	4.7 U	5.6 U	5.5 U	5.1 UJ	5.3 UJ	5.2 U	5 U	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*11 U*	*10 U*	*9.3 U*	*11 U*	*11 U*	*10 U*	*11 U*	*10 U*	*10 UJ*	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	21 U	20 U	19 U	22 U	22 U	20 U	21 U	21 U	20 U	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	21 U	20 UJ	19 U	22 U	22 U	20 U	21 U	21 U	NR	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	5.3 U	5.1 UJ	4.7 U	5.6 U	5.5 U	5.1 U	5.3 U	5.2 U	5 U	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*5.3 UJ*	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.5 U*	*5.1 U*	*5.3 U*	*5.2 U*	*5 U*	NR
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	42 U	41 UJ	37 U	44 UJ	44 U	41 U	43 U	41 U	40 U	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	1.1 U	1 U	0.93 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U	NR
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	1.1 U	1 U	0.93 U	1.1 U	1.1 U	1 UJ	1.1 UJ	1 U	1 U	NR
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	5.3 U	5.1 UJ	4.7 U	5.6 U	5.5 U	5.1 UJ	5.3 UJ	5.2 U	5 U	NR
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*21 UJ*	*20 U*	*19 U*	*22 U*	*22 U*	*20 UJ*	*21 UJ*	*21 U*	*20 UJ*	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*1.1 U*	*1 U*	*0.93 U*	*1.1 U*	*1.1 U*	*1 UJ*	*1.1 UJ*	*1 U*	*1 U*	NR

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P06R
										Sample Date	**4/23/2009**	**9/23/2009**	**3/11/2010**	**9/22/2010**	**3/23/2011**	**9/13/2011**	**9/13/2011**	**3/21/2012**	**9/19/2012**	**4/22/2009**
										Lab Sample ID	**510-39296-7**	**510-44875-5**	**510-50340-3**	**510-57054-2**	**510-63501-2**	**510-69947-2**	**510-69947-3**	**510-76890-6**	**510-83685-5**	**510-39250-1**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**FD**	**TRG**	**TRG**	**TRG**
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*5.3 U*	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.5 U*	*5.1 U*	*5.3 U*	*5.2 U*	*5 U*	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*0.21 U*	*0.2 U*	*0.19 U*	*0.22 U*	*0.22 U*	*0.2 U*	*0.21 U*	*0.21 U*	*0.2 U*	NR
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*0.21 UJ*	*0.2 U*	*0.19 U*	*0.22 U*	*0.22 U*	*0.2 U*	*0.21 U*	*0.21 U*	*0.2 U*	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*0.21 UJ*	*0.2 U*	*0.19 U*	*0.22 U*	*0.22 U*	*0.2 UJ*	*0.21 UJ*	*0.21 U*	*0.2 U*	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	1.1 UJ	1 U	0.93 U	1.1 U	1.1 U	1 U	1.1 U	1 UJ	1 U	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.21 UJ	0.2 U	0.19 U	0.22 U	0.22 U	0.2 UJ	0.21 UJ	0.21 U	0.2 U	NR
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	*21 UJ*	*20 U*	*19 UJ*	*22 U*	*22 U*	*20 UJ*	*21 UJ*	*21 U*	*20 U*	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	NR	NR	NR	2.2 U	2.2 U	2 UJ	2.1 UJ	2.1 U	2 U	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	2.1 UJ	2 U	1.9 UJ	2.2 UJ	2.2 UJ	2 UJ	2.1 UJ	2.1 U	2 U	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*2.1 UJ*	*2 U*	*1.9 U*	*2.2 U*	*2.2 U*	*2 UJ*	*2.1 UJ*	*2.1 U*	*2 U*	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*11 U*	*10 U*	*9.3 U*	*11 U*	*11 U*	*10 U*	*11 U*	*10 U*	*10 U*	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	2.1 U	2 U	1.9 U	2.2 U	2.2 U	2 UJ	2.1 UJ	2.1 U	2 U	NR
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	4.7 U	5.6 U	5.5 U	5.1 UJ	5.3 UJ	5.2 U	5 U	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*5.3 U*	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.5 U*	*5.1 U*	*5.3 U*	*5.2 U*	*5 U*	NR
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.53 U	0.51 U	0.47 U	0.56 U	0.55 U	0.51 UJ	0.53 UJ	0.52 U	0.5 U	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*5.3 U*	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.5 U*	*5.1 U*	*5.3 U*	*5.2 U*	*5 U*	NR
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*0.32 UJ*	*0.31 U*	*0.28 U*	*0.33 U*	*0.33 U*	*0.31 UJ*	*0.32 UJ*	*0.31 U*	*0.3 U*	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	2.1 U	2 U	1.9 U	2.2 U	2.2 U	2 UJ	2.1 UJ	2.1 U	2 U	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	2.1 U	2 U	1.9 U	2.2 U	2.2 U	2 U	2.1 U	2.1 U	2 U	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	2.1 U	2 U	1.9 U	2.2 U	2.2 U	2 U	2.1 U	2.1 U	2 U	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	5.3 U	5.1 U	4.7 U	5.6 U	5.5 U	5.1 UJ	5.3 UJ	5.2 U	5 UJ	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	11 UJ	10 U	9.3 U	11 U	11 U	10 UJ	11 UJ	10 U	10 UJ	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	5.3 U	5.1 UJ	4.7 U	5.6 U	5.5 U	5.1 U	5.3 U	5.2 U	5 U	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 U	5.1 UJ	4.7 U	5.6 U	5.5 U	5.1 U	5.3 U	5.2 U	5 U	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	1.1 U	1 U	0.93 U	1.1 U	1.1 U	1 UJ	1.1 UJ	1 U	1 U	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	1.1 U	1 U	0.93 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*0.53 U*	*0.51 U*	*0.47 U*	*0.56 U*	*0.55 U*	*0.51 U*	*0.53 U*	*0.52 U*	*0.5 U*	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*5.3 UJ*	*5.1 U*	*4.7 UJ*	*5.6 UJ*	*5.5 U*	*5.1 UJ*	*5.3 UJ*	*5.2 U*	*5 U*	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*21 UJ*	*20 U*	*19 U*	*22 U*	*22 U*	*20 UJ*	*21 UJ*	*21 U*	*20 UJ*	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*5.3 UJ*	*5.1 U*	*4.7 UJ*	*5.6 U*	*5.5 U*	*5.1 UJ*	*5.3 UJ*	*5.2 U*	*5 U*	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*110 U*	*100 UJ*	*93 UJ*	*110 U*	*110 U*	*100 U*	*110 U*	*100 U*	*100 U*	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	21 U	20 U	19 U	22 UJ	22 UJ	20 UJ	21 UJ	21 U	20 UJ	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*0.21 UJ*	*0.2 U*	*0.19 U*	*0.22 U*	*0.22 U*	*0.2 UJ*	*0.21 UJ*	*0.21 U*	*0.2 U*	NR
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	2.1 U	2 U	1.9 U	2.2 UJ	2.2 U	2 UJ	2.1 UJ	2.1 U	2 U	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 U	5.1 UJ	4.7 U	5.6 U	5.5 U	5.1 U	5.3 U	5.2 U	5 U	NR
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*5.3 U*	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.5 U*	*5.1 U*	*5.3 U*	*5.2 U*	*5 U*	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	42 U	41 UJ	37 U	44 U	44 U	41 U	43 U	41 U	40 U	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*5.3 U*	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.5 U*	*5.1 U*	*5.3 U*	*5.2 U*	*5 U*	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*1.1 UJ*	*1 U*	*0.93 U*	*1.1 UJ*	*1.1 U*	*1 UJ*	*1.1 UJ*	*1 U*	*1 U*	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*1.1 UJ*	*1 U*	*0.93 U*	*1.1 UJ*	*1.1 U*	*1 UJ*	*1.1 UJ*	*1 U*	*1 U*	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*5.3 U*	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.5 UJ*	*5.1 UJ*	*5.3 UJ*	*5.2 U*	*5 U*	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*11 U*	*10 UJ*	*9.3 U*	*11 U*	*11 U*	*10 UJ*	*11 UJ*	*10 U*	*10 U*	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*5.3 U*	*5.1 UJ*	*4.7 U*	*5.6 UJ*	*5.5 U*	*5.1 UJ*	*5.3 UJ*	*5.2 U*	*5 U*	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*0.53 UJ*	*0.51 U*	*0.47 U*	*0.56 U*	*0.55 U*	*0.51 UJ*	*0.53 UJ*	*0.52 U*	*0.5 U*	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	1.1 U	1 U	0.93 U	1.1 U	1.1 U	1 UJ	1.1 UJ	1 U	1 U	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*5.3 U*	*5.1 UJ*	*4.7 UJ*	*5.6 U*	*5.5 UJ*	*5.1 UJ*	*5.3 UJ*	*5.2 U*	*5 U*	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*5.3 U*	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.5 U*	*5.1 U*	*5.3 U*	*5.2 U*	*5 U*	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 U	5.1 UJ	4.7 U	5.6 UJ	5.5 U	5.1 UJ	5.3 UJ	5.2 U	5 U	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*5.3 U*	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.5 U*	*5.1 UJ*	*5.3 UJ*	*5.2 U*	*5 UJ*	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 U	5.1 UJ	4.7 U	5.6 U	5.5 U	5.1 U	5.3 U	5.2 U	5 U	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*5.3 U*	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.5 U*	*5.1 U*	*5.3 U*	*5.2 U*	*5 U*	NR

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P06R
										Sample Date	**4/23/2009**	**9/23/2009**	**3/11/2010**	**9/22/2010**	**3/23/2011**	**9/13/2011**	**9/13/2011**	**3/21/2012**	**9/19/2012**	**4/22/2009**
										Lab Sample ID	**510-39296-7**	**510-44875-5**	**510-50340-3**	**510-57054-2**	**510-63501-2**	**510-69947-2**	**510-69947-3**	**510-76890-6**	**510-83685-5**	**510-39250-1**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**FD**	**TRG**	**TRG**	**TRG**
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*5.3 U*	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.5 U*	*5.1 UJ*	*5.3 UJ*	*5.2 U*	*5 U*	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	NR	NR	NR	*11 U*	*11 UJ*	*10 UJ*	*11 UJ*	*10 U*	*10 U*	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*5.3 U*	*5.1 UJ*	*4.7 U*	*5.6 U*	*5.5 U*	*5.1 U*	*5.3 U*	*5.2 U*	*5 U*	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*21 U*	*20 U*	*19 U*	*22 U*	*22 U*	*20 U*	*21 U*	*21 U*	*20 UJ*	NR
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	5.3 U	5.1 UJ	4.7 U	5.6 U	5.5 U	5.1 U	5.3 U	5.2 U	5 U	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	*1.1 U*	*1 U*	0.93 U	*1.1 U*	*1.1 U*	*1 U*	*1.1 U*	*1 U*	*1 U*	NR
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	5.3 UJ	5.1 U	4.7 UJ	5.6 U	5.5 U	5.1 UJ	5.3 UJ	5.2 U	5 U	NR
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NV	NV	NV	NV	NV	42 U	41 UJ	37 U	44 UJ	44 U	41 U	43 U	41 U	40 U	NR
Pronamide	23950-58-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	5.3 U	5.1 UJ	9.3 U	11 U	11 U	10 U	11 U	10 U	10 U	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*1.1 U*	*1 U*	*0.93 U*	*1.1 U*	*1.1 U*	*1 UJ*	*1.1 UJ*	*1 U*	*1 U*	NR
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	R	20 UJ	19 U	*22 U*	*22 U*	20 UJ	*21 UJ*	*21 U*	R	NR
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	NR	NR	NR	NR	*11 U*	*10 U*	*11 U*	*10 U*	*10 U*	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*5.3 U*	*5.1 UJ*	*4.7 U*	*5.6 UJ*	*5.5 U*	*5.1 U*	*5.3 U*	*5.2 U*	*5 U*	NR
General Chemistry																				
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	*10 U*	*10 U*	*10 U*	*10 U*	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Metals																				
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	**33**	*30 U*	*30 U*	**35**	**39**	*2 U*	*2 UJ*	**45**	**45**	NR
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	290	360	200	280	300	62	62 J	290	300	NR
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	1 U	1 UJ	1 U	1 U	NR
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	10 U	10 U	10 U	10 U	10 U	1.5 U	1.5 UJ	1.5 U	1.5 U	NR
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	0.5 U	0.5 UJ	0.5 U	0.5 U	NR
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	NR	NR	NR	NR	*15 U*	*15 U*	*15 UJ*	*15 U*	*15 U*	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	NR
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	1 U	1 UJ	1 U	1 U	NR
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	*40 U*	*40 U*	*40 U*	*40 U*	*40 U*	*2 U*	*2 UJ*	*2 U*	*2 U*	NR
Polychlorinated Biphenyls (PCBs)																				
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	*0.51 UJ*	*0.53 U*	*0.5 U*	*0.58 U*	*0.53 U*	*0.55 U*	*0.57 U*	*0.51 U*	*0.53 U*	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	*0.51 U*	*0.53 U*	*0.5 U*	*0.58 U*	*0.53 U*	*0.55 U*	*0.57 U*	*0.51 U*	*0.53 U*	NR
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	*0.51 U*	*0.53 U*	*0.5 U*	*0.58 U*	*0.53 U*	*0.55 U*	*0.57 U*	*0.51 U*	*0.53 U*	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	*0.51 U*	*0.53 U*	*0.5 U*	*0.58 U*	*0.53 U*	*0.55 U*	*0.57 U*	*0.51 U*	*0.53 U*	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	*0.51 U*	*0.53 U*	*0.5 U*	*0.58 U*	*0.53 U*	*0.55 U*	*0.57 U*	*0.51 U*	*0.53 U*	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	*0.51 U*	*0.53 U*	*0.5 U*	*0.58 U*	*0.53 U*	*0.55 U*	*0.57 U*	*0.51 U*	*0.53 U*	NR
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	*0.51 U*	*0.53 U*	*0.5 U*	*0.58 U*	*0.53 U*	*0.55 U*	*0.57 U*	*0.51 U*	*0.53 U*	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	*0.51 U*	*0.53 U*	0.5 U	*0.58 U*	*0.53 U*	*0.55 U*	*0.57 U*	*0.51 U*	*0.53 U*	NR
Volatile Organic Compounds (VOCS)																				
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*2 U*	*2 UJ*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*2.5 U*	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P06R
										Sample Date	**4/23/2009**	**9/23/2009**	**3/11/2010**	**9/22/2010**	**3/23/2011**	**9/13/2011**	**9/13/2011**	**3/21/2012**	**9/19/2012**	**4/22/2009**
										Lab Sample ID	**510-39296-7**	**510-44875-5**	**510-50340-3**	**510-57054-2**	**510-63501-2**	**510-69947-2**	**510-69947-3**	**510-76890-6**	**510-83685-5**	**510-39250-1**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**FD**	**TRG**	**TRG**	**TRG**
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 U	20 UJ	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 U*	*100 UJ*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 U*	*20 UJ*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	100 U	100 UJ	100 U	100 U	100 U	100 U	100 U	100 U	NR	100 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 U*	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	2 U	2 UJ	2 U	2.7 U	2 U	5 U	5 U	5 U	5 U	2 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*2.5 U*	*10 UJ*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*2.5 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	20 UJ	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.7
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*2.5 U*	*10 UJ*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*2.5 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	5 U	5 UJ	5 U	5 U	2 U	2 U	2 U	2 U	2 U	5 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*1 U*	*1 UJ*	*1 U*	*1 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	2 U	2 UJ	2 U	2 U	1 U	1 U	1 U	1 U	1 U	2 U

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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R
										Sample Date	4/22/2009	4/22/2009	4/22/2009	9/22/2009	3/10/2010	9/21/2010	3/22/2011	9/14/2011	3/21/2012	9/18/2012
										Lab Sample ID	510-39250-2	510-39250-3	510-39250-4	510-44820-2	510-50310-5	510-57050-2	510-63448-7	510-70004-2	510-76890-2	510-83632-5
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
Semi-Volatile Organic Compounds (SVOCs)																				
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*2 U*	NR	NR	*2.2 UJ*	*2 U*	*2.3 UJ*	*2.2 U*	*2.1 U*	*2.2 U*	*2 UJ*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	2 U	NR	NR	2.2 UJ	2 U	2.3 UJ	2.2 U	2.1 U	2.2 U	2 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	5 U	NR	NR	5.4 UJ	5.1 U	5.7 UJ	5.6 U	5.3 U	5.5 U	5 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	2 U	NR	NR	2.2 UJ	2 U	2.3 UJ	2.2 U	2.1 U	2.2 U	2 UJ
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*2 U*	NR	NR	*2.2 UJ*	*2 U*	*2.3 UJ*	*2.2 U*	*2.1 U*	*2.2 U*	*2 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*20 U*	NR	NR	*22 UJ*	*20 U*	*23 UJ*	*22 U*	*21 U*	*22 U*	*20 UJ*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	NR	NR	11 UJ	10 U	11 UJ	11 U	11 U	11 U	10 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	NR	NR	5.4 UJ	10 U	11 UJ	11 U	11 U	11 U	10 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	5 U	NR	NR	5.4 UJ	5.1 U	5.7 UJ	5.6 U	5.3 U	5.5 U	5 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*10 U*	NR	NR	*11 UJ*	*10 U*	*11 UJ*	*11 U*	*11 U*	*11 U*	*10 UJ*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 UJ*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	10 U	NR	NR	11 UJ	10 U	11 UJ	11 U	11 U	11 U	10 UJ
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	10 U	NR	NR	11 UJ	10 U	11 UJ	11 U	11 U	11 U	10 UJ
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	*20 U*	NR	NR	*22 UJ*	*20 U*	*23 UJ*	*22 U*	*21 U*	*22 U*	*20 U*
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*1 U*	NR	NR	*1.1 UJ*	*1 U*	*1.1 UJ*	*1.1 U*	*1.1 U*	*1.1 U*	*1 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 UJ*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*0.5 U*	NR	NR	*0.54 UJ*	*0.51 U*	*0.57 UJ*	*0.56 U*	*0.53 U*	*0.51 U*	R
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*2 U*	NR	NR	*2.2 UJ*	*2 U*	*2.3 UJ*	*2.2 U*	*2.1 U*	*2.2 U*	*2 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	5 U	NR	NR	5.4 UJ	5.1 U	5.7 UJ	5.6 U	5.3 U	5.5 U	5 UJ
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	0.5 U	NR	NR	0.54 UJ	0.51 U	0.57 UJ	0.56 U	0.53 U	0.55 U	0.5 UJ
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	2 U	NR	NR	2.2 UJ	2 U	2.3 UJ	2.2 U	2.1 U	2.2 U	2 UJ
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*10 U*	*11 UJ*	*11 U*	*11 U*	*11 U*	*10 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	5 U	NR	NR	5.4 UJ	5.1 U	5.7 UJ	5.6 U	5.3 U	5.5 U	5 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	10 U	NR	NR	11 UJ	10 U	11 UJ	11 U	11 U	11 U	10 UJ
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	NR	NR	11 UJ	10 U	11 UJ	11 U	11 U	11 U	10 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*10 U*	NR	NR	*11 UJ*	*10 U*	*11 UJ*	*11 U*	*11 U*	*11 U*	*10 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2 U	NR	NR	2.2 UJ	2 U	2.3 UJ	2.2 U	2.1 U	2.2 U	2 UJ
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	R	NR	NR	*22 UJ*	*20 U*	*23 UJ*	*22 U*	*21 UJ*	*22 U*	*20 UJ*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	NR	NR	11 UJ	10 U	11 UJ	11 U	11 U	11 U	10 UJ
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*20 U*	NR	NR	*22 UJ*	*20 U*	*23 UJ*	*22 U*	*21 U*	*22 U*	*20 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*10 U*	*11 UJ*	*11 U*	*11 U*	*11 U*	*10 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	10 U	NR	NR	11 UJ	10 U	11 UJ	11 U	11 U	11 U	10 UJ
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*10 U*	NR	NR	*11 UJ*	*10 U*	*11 UJ*	*11 U*	*11 U*	*11 U*	*10 UJ*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	NR	NR	5.4 UJ	5.1 U	5.7 UJ	5.6 U	5.3 U	5.5 U	5 UJ
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*10 U*	NR	NR	*11 UJ*	*10 U*	*11 UJ*	*11 U*	*11 U*	*11 U*	*10 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	20 U	NR	NR	22 UJ	20 U	23 UJ	22 U	21 U	22 U	20 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	NR	NR	22 UJ	20 U	23 UJ	22 U	21 U	22 U	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	5 U	NR	NR	5.4 UJ	5.1 U	5.7 UJ	5.6 U	5.3 U	5.5 U	5 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 U*
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	40 U	NR	NR	43 UJ	40 U	46 UJ	44 U	43 U	44 U	40 U
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	1 U	NR	NR	1.1 UJ	1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	1 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	1 U	NR	NR	1.1 UJ	1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	1 UJ
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	5 U	NR	NR	5.4 UJ	5.1 U	5.7 UJ	5.6 U	5.3 U	5.5 U	5 UJ
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*20 U*	NR	NR	*22 UJ*	*20 U*	*23 UJ*	*22 U*	*21 U*	*22 U*	*20 UJ*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*1 U*	NR	NR	*1.1 UJ*	*1 U*	*1.1 UJ*	*1.1 U*	*1.1 U*	*1.1 U*	*1 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R
										Sample Date	4/22/2009	4/22/2009	4/22/2009	9/22/2009	3/10/2010	9/21/2010	3/22/2011	9/14/2011	3/21/2012	9/18/2012
										Lab Sample ID	510-39250-2	510-39250-3	510-39250-4	510-44820-2	510-50310-5	510-57050-2	510-63448-7	510-70004-2	510-76890-2	510-83632-5
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*0.2 U*	NR	NR	*0.22 UJ*	*0.2 U*	*0.23 UJ*	*0.22 U*	*0.21 U*	*0.22 U*	*0.2 U*
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*0.2 U*	NR	NR	*0.22 UJ*	*0.2 U*	*0.23 UJ*	*0.22 U*	*0.21 U*	*0.22 U*	*0.2 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*0.2 U*	NR	NR	*0.22 UJ*	*0.2 U*	*0.23 UJ*	*0.22 U*	*0.21 U*	*0.22 U*	*0.2 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	1 U	NR	NR	1.1 UJ	1 U	1.1 UJ	1.1 U	1.1 U	1.1 UJ	1 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.2 U	NR	NR	0.22 UJ	0.2 U	0.23 UJ	0.22 U	0.21 U	0.22 U	0.2 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	*20 U*	NR	NR	*22 UJ*	*20 U*	*23 UJ*	*22 U*	*21 U*	*22 U*	*20 UJ*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	NR	NR	NR	NR	NR	2.3 UJ	2.2 U	2.1 U	2.2 U	2 UJ
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	2 U	NR	NR	2.2 UJ	2 U	2.3 UJ	2.2 U	2.1 U	2.2 U	2 UJ
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*2 U*	NR	NR	*2.2 UJ*	*2 U*	*2.3 UJ*	*2.2 U*	*2.1 U*	*2.2 U*	*2 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*10 U*	NR	NR	*11 UJ*	*10 U*	*11 UJ*	*11 U*	*11 U*	*11 U*	*10 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	2 U	NR	NR	2.2 UJ	2 U	2.3 UJ	2.2 U	2.1 U	2.2 U	2 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	NR	5.1 U	5.7 UJ	5.6 U	5.3 U	5.5 U	5 U
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.5 U	NR	NR	0.54 UJ	0.51 U	0.57 UJ	0.56 U	0.53 U	0.55 U	0.5 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*0.3 U*	NR	NR	*0.33 UJ*	*0.3 U*	*0.34 UJ*	*0.33 U*	*0.32 U*	*0.33 U*	*0.3 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	2 U	NR	NR	2.2 UJ	2 U	2.3 UJ	2.2 U	2.1 U	2.2 U	2 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	2 U	NR	NR	2.2 UJ	2 U	2.3 UJ	2.2 U	2.1 U	2.2 U	2 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	2 U	NR	NR	2.2 UJ	2 U	2.3 UJ	2.2 U	2.1 U	2.2 U	2 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	5 U	NR	NR	5.4 UJ	5.1 U	5.7 UJ	5.6 U	5.3 U	5.5 U	5 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	10 U	NR	NR	11 UJ	10 U	11 UJ	11 U	11 U	11 U	10 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	5 U	NR	NR	5.4 UJ	5.1 U	5.7 UJ	5.6 U	5.3 U	5.5 U	5 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	NR	NR	5.4 UJ	5.1 U	5.7 UJ	5.6 U	5.3 U	5.5 U	5 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	1 U	NR	NR	1.1 UJ	1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	1 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	1 U	NR	NR	1.1 UJ	1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	1 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*0.5 U*	NR	NR	*0.54 UJ*	*0.51 U*	*0.57 UJ*	*0.56 U*	*0.53 U*	*0.55 U*	*0.5 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*20 U*	NR	NR	*22 UJ*	*20 U*	*23 UJ*	*22 U*	*21 U*	*22 U*	R
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*100 U*	NR	NR	*110 UJ*	*100 U*	*110 UJ*	*110 U*	*110 U*	*110 U*	*100 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	NR	NR	22 UJ	20 U	23 UJ	22 UJ	21 U	22 U	20 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*0.2 U*	NR	NR	*0.22 UJ*	*0.2 U*	*0.23 UJ*	*0.22 U*	*0.21 U*	*0.22 U*	*0.2 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	2 U	NR	NR	2.2 UJ	2 U	2.3 UJ	2.2 U	2.1 U	2.2 U	2 UJ
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	NR	NR	5.4 UJ	5.1 U	5.7 UJ	5.6 U	5.3 U	5.5 U	5 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	40 U	NR	NR	43 UJ	40 U	46 UJ	44 U	43 U	44 U	40 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*1 U*	NR	NR	*1.1 UJ*	*1 U*	*1.1 UJ*	*1.1 U*	**1.4**	*1.1 U*	*1 UJ*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*1 U*	NR	NR	*1.1 UJ*	*1 U*	*1.1 UJ*	*1.1 U*	*1.1 U*	*1.1 U*	*1 UJ*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*10 U*	NR	NR	*11 UJ*	*10 U*	*11 UJ*	*11 U*	*11 U*	*11 U*	*10 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*0.5 U*	NR	NR	*0.54 UJ*	*0.51 U*	*0.57 UJ*	*0.56 U*	*0.53 U*	*0.55 U*	*0.5 UJ*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	1 U	NR	NR	1.1 UJ	1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	1 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 UJ*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	NR	NR	5.4 UJ	5.1 U	5.7 UJ	5.6 U	5.3 U	5.5 U	5 UJ
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 UJ*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	NR	NR	5.4 UJ	5.1 U	5.7 UJ	5.6 U	5.3 U	5.5 U	5 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R
										Sample Date	4/22/2009	4/22/2009	4/22/2009	9/22/2009	3/10/2010	9/21/2010	3/22/2011	9/14/2011	3/21/2012	9/18/2012
										Lab Sample ID	510-39250-2	510-39250-3	510-39250-4	510-44820-2	510-50310-5	510-57050-2	510-63448-7	510-70004-2	510-76890-2	510-83632-5
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 UJ*
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	NR	NR	NR	NR	NR	*11 UJ*	*11 UJ*	*11 U*	*11 U*	*10 UJ*
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*20 U*	NR	NR	*22 UJ*	*20 U*	*23 UJ*	*22 U*	*21 U*	*22 U*	*20 U*
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	5 U	NR	NR	5.4 UJ	5.1 U	5.7 UJ	5.6 U	5.3 U	5.5 U	5 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	*1 U*	NR	NR	*1.1 UJ*	*1 U*	*1.1 UJ*	*1.1 U*	*1.1 U*	*1.1 U*	*1 U*
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	5 U	NR	NR	5.4 UJ	5.1 U	5.7 UJ	5.6 U	5.3 U	5.5 U	5 UJ
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NV	NV	NV	NV	NV	40 U	NR	NR	43 UJ	40 U	46 UJ	44 U	43 U	44 U	40 U
Pronamide	23950-58-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	5 U	NR	NR	5.4 UJ	10 U	11 UJ	11 U	11 U	11 U	10 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*1 U*	NR	NR	*1.1 UJ*	*1 U*	*1.1 UJ*	*1.1 U*	*1.1 U*	*1.1 U*	*1 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	20 U	NR	NR	*22 UJ*	20 U	*23 UJ*	*22 U*	*21 U*	*22 U*	20 UJ
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	NR	NR	NR	NR	NR	NR	*11 U*	*11 U*	*11 U*	*10 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.4 UJ*	*5.1 U*	*5.7 UJ*	*5.6 U*	*5.3 U*	*5.5 U*	*5 U*
General Chemistry																				
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	NR	**17 J**	**12**	**10**
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	NR	*10 U*	*10 U*	*10 U*
Total Metals																				
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	NR	**63**	NR	*30 U*	**44**	**58**	**52**	**56**	**54**	**55 J**
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	NR	290	NR	280	150	320	290	320	290	330
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	NR	*10 U*	NR	*10 U*	*10 U*	*10 U*	*10 U*	1 U	1 U	1 U
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	NR	10 U	NR	10 U	10 U	10 U	10 U	1.5 U	1.5 U	1.5 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	NR	*50 U*	NR	*50 U*	*50 U*	*50 U*	*50 U*	0.5 U	0.5 U	0.5 U
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	NR	NR	NR	NR	NR	NR	*15 U*	*15 U*	*15 U*	*15 U*
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	NR	0.2 U	NR	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	NR	*20 U*	NR	*20 U*	*20 U*	*20 U*	*20 U*	1.2	1 U	1 U
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	NR	*40 U*	NR	*40 U*	*40 U*	*40 U*	*40 U*	*2 U*	*2 U*	**9.9**
Polychlorinated Biphenyls (PCBs)																				
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	NR	NR	*0.52 U*	*0.53 U*	*0.5 U*	*0.56 U*	*0.52 U*	*0.55 U*	*0.52 U*	*0.52 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	NR	NR	*0.52 U*	*0.53 U*	*0.5 U*	*0.56 U*	*0.52 U*	*0.55 U*	*0.52 U*	*0.52 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	NR	NR	*0.52 U*	*0.53 U*	*0.5 U*	*0.56 U*	*0.52 U*	*0.55 U*	*0.52 U*	*0.52 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	NR	NR	*0.52 U*	*0.53 U*	*0.5 U*	*0.56 U*	*0.52 U*	*0.55 U*	*0.52 U*	*0.52 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	NR	NR	*0.52 U*	*0.53 U*	*0.5 U*	*0.56 U*	*0.52 U*	*0.55 U*	*0.52 U*	*0.52 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	NR	NR	*0.52 U*	*0.53 U*	*0.5 U*	*0.56 U*	*0.52 U*	*0.55 U*	*0.52 U*	*0.52 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	NR	NR	*0.52 U*	*0.53 U*	*0.5 U*	*0.56 U*	*0.52 U*	*0.55 U*	*0.52 U*	*0.52 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	NR	NR	*0.52 U*	*0.53 U*	0.5 U	*0.56 U*	*0.52 U*	*0.55 U*	*0.52 U*	*0.52 U*
Volatile Organic Compounds (VOCS)																				
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	NR	NR	NR	*2 U*	*2 U*	*2 U*	*2 U*	*2 UJ*	*2 U*	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	NR	NR	NR	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	NR	NR	NR	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	NR	NR	NR	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	NR	NR	NR	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 UJ*	*2.5 U*	*2.5 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R
										Sample Date	4/22/2009	4/22/2009	4/22/2009	9/22/2009	3/10/2010	9/21/2010	3/22/2011	9/14/2011	3/21/2012	9/18/2012
										Lab Sample ID	510-39250-2	510-39250-3	510-39250-4	510-44820-2	510-50310-5	510-57050-2	510-63448-7	510-70004-2	510-76890-2	510-83632-5
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	NR	NR	NR	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	NR	NR	NR	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	NR	NR	NR	20 UJ	20 U	20 U	20 U	20 UJ	20 U	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	NR	NR	NR	*100 UJ*	*100 U*	*100 U*	*100 U*	*100 UJ*	*100 U*	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	NR	NR	NR	*20 UJ*	*20 U*	*20 U*	*20 U*	*20 UJ*	*20 U*	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*0.5 U*	*0.5 UJ*	*0.5 U*	*0.5 U*
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	NR	NR	NR	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	NR	NR	NR	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	NR	NR	NR	100 UJ	100 U	100 U	100 U	100 UJ	100 U	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	NR	NR	NR	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 UJ*	*2.5 U*	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	NR	NR	NR	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	NR	NR	NR	2 U	2 U	2 U	2 U	5 UJ	5 U	5 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	NR	NR	NR	*10 UJ*	*10 U*	*10 U*	*10 U*	*10 UJ*	*10 U*	*10 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	20 UJ	20 U	20 U	20 U	20 UJ	20 U	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	0.5 U	0.5 UJ	0.5 U	0.5 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	NR	NR	NR	*10 UJ*	*10 U*	*10 U*	*10 U*	*10 UJ*	*10 U*	*10 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*0.5 U*	*0.5 UJ*	*0.5 U*	*0.5 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	NR	NR	NR	5 U	5 U	5 U	2 U	2 UJ	2 U	2 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*0.5 U*	*0.5 UJ*	*0.5 U*	*0.5 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	NR	NR	NR	2 U	2 U	2 U	1 U	1 UJ	1 U	1 U

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07
										Sample Date	4/21/2009	4/21/2009	4/21/2009	4/21/2009	4/21/2009	9/21/2009	3/10/2010	9/20/2010	3/21/2012	3/22/2011
										Lab Sample ID	510-39202-1	510-39202-2	510-39202-3	510-39202-4	510-39202-5	510-44768-1	510-50310-2	510-56995-3	510-76937-2	510-63448-2
										Sample Type	TRG	TRG	TRG	TRG	FD	TRG	TRG	TRG	TRG	TRG
Semi-Volatile Organic Compounds (SVOCs)																				
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 UJ*	*5 U*	*5.4 U*	*5.3 U*	*5.7 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	NR	*2.2 U*	NR	NR	*2 U*	*2 U*	*2 U*	*2.2 U*	*2.1 UJ*	*2.3 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	NR	2.2 U	NR	NR	2 U	2 U	2 U	2.2 U	2.1 UJ	2.3 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	NR	5.4 U	NR	NR	5.1 U	5 UJ	5 U	5.4 U	5.3 U	5.7 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	NR	2.2 U	NR	NR	2 U	2 U	2 U	2.2 U	2.1 UJ	2.3 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	NR	*2.2 U*	NR	NR	*2 U*	*2 U*	*2 U*	*2.2 U*	*2.1 UJ*	*2.3 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	NR	*22 UJ*	NR	NR	*20 UJ*	*20 UJ*	*20 U*	*22 U*	*21 UJ*	*23 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	11 U	NR	NR	10 U	9.9 UJ	9.9 U	11 U	11 U	11 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5.4 U	NR	NR	5.1 U	5 UJ	9.9 U	11 U	11 U	11 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	NR	5.4 U	NR	NR	5.1 U	5 UJ	5 U	5.4 U	5.3 U	5.7 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	NR	*11 U*	NR	NR	*10 U*	*9.9 U*	*9.9 U*	*11 U*	*11 U*	*11 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 U*	*5 U*	*5.4 U*	*5.3 U*	*5.7 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	NR	11 U	NR	NR	10 U	9.9 U	9.9 U	11 U	11 UJ	11 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	NR	11 U	NR	NR	10 U	9.9 U	9.9 U	11 U	11 UJ	11 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	NR	*22 U*	NR	NR	*20 U*	*20 U*	*20 U*	*22 U*	*21 U*	*23 U*
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	NR	*1.1 U*	NR	NR	*1 U*	*0.99 U*	*0.99 U*	*1.1 U*	*1.1 U*	*1.1 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 UJ*	*5 U*	*5.4 U*	*5.3 UJ*	*5.7 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	NR	*0.54 U*	NR	NR	*0.51 U*	*0.5 U*	*0.5 U*	*0.54 U*	*0.53 U*	*0.57 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 UJ*	*5 U*	*5.4 U*	*5.3 UJ*	*5.7 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	NR	*2.2 U*	NR	NR	*2 U*	*2 U*	*2 U*	*2.2 U*	*2.1 U*	*2.3 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	NR	5.4 U	NR	NR	5.1 U	5 U	5 U	5.4 U	5.3 UJ	5.7 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	NR	0.54 U	NR	NR	0.51 U	0.5 U	0.5 U	0.54 U	0.53 UJ	0.57 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	NR	2.2 U	NR	NR	2 U	2 U	2 U	2.2 U	2.1 UJ	2.3 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 UJ*	*9.9 U*	*11 U*	*11 U*	*11 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	NR	5.4 U	NR	NR	5.1 U	5 U	5 U	5.4 U	5.3 U	5.7 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	NR	11 U	NR	NR	10 U	9.9 U	9.9 U	11 U	11 UJ	11 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	11 U	NR	NR	10 U	9.9 UJ	9.9 U	11 U	11 UJ	11 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	NR	*11 U*	NR	NR	*10 U*	*9.9 UJ*	*9.9 U*	*11 U*	*11 U*	*11 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	2.2 U	NR	NR	2 U	2 U	2 U	2.2 U	2.1 U	2.3 U
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 U*	*5 U*	*5.4 U*	*5.3 UJ*	*5.7 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	NR	*22 U*	NR	NR	*20 U*	*20 UJ*	*20 U*	*22 UJ*	*21 UJ*	*23 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 UJ*	*5 U*	*5.4 U*	*5.3 UJ*	*5.7 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	11 U	NR	NR	10 U	9.9 U	9.9 U	11 U	11 U	11 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	NR	*22 U*	NR	NR	*20 U*	*20 U*	*20 U*	*22 U*	*21 U*	*23 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 UJ*	*9.9 U*	*11 U*	*11 U*	*11 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 U*	*5 U*	*5.4 U*	*5.3 U*	*5.7 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	NR	11 U	NR	NR	10 U	9.9 U	9.9 U	11 U	11 UJ	11 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	NR	*11 U*	NR	NR	*10 U*	*9.9 U*	*9.9 U*	*11 U*	*11 UJ*	*11 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5.4 U	NR	NR	5.1 U	5 U	5 U	5.4 U	5.3 U	5.7 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	NR	*11 U*	NR	NR	*10 U*	*9.9 U*	*9.9 U*	*11 U*	*11 U*	*11 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	NR	22 U	NR	NR	20 U	20 UJ	20 U	22 U	21 U	23 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	22 U	NR	NR	20 U	20 UJ	20 U	22 U	21 U	23 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	NR	5.4 U	NR	NR	5.1 U	5 UJ	5 U	5.4 U	5.3 U	5.7 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 UJ*	*5 U*	*5.4 U*	*5.3 UJ*	*5.7 U*
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	43 U	NR	NR	41 U	40 UJ	40 U	43 U	42 UJ	46 U
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	NR	1.1 U	NR	NR	1 U	0.99 U	0.99 U	1.1 U	1.1 U	1.1 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	NR	1.1 U	NR	NR	1 U	0.99 U	0.99 U	1.1 U	1.1 U	1.1 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	NR	5.4 U	NR	NR	5.1 U	5 UJ	5 U	5.4 U	5.3 UJ	5.7 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	NR	*22 U*	NR	NR	*20 U*	*20 U*	*20 U*	*22 U*	*21 UJ*	*23 U*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	NR	*1.1 U*	NR	NR	*1 U*	*0.99 U*	*0.99 U*	*1.1 U*	*1.1 U*	*1.1 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07
										Sample Date	4/21/2009	4/21/2009	4/21/2009	4/21/2009	4/21/2009	9/21/2009	3/10/2010	9/20/2010	3/21/2012	3/22/2011
										Lab Sample ID	510-39202-1	510-39202-2	510-39202-3	510-39202-4	510-39202-5	510-44768-1	510-50310-2	510-56995-3	510-76937-2	510-63448-2
										Sample Type	TRG	TRG	TRG	TRG	FD	TRG	TRG	TRG	TRG	TRG
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 UJ*	*5 U*	*5.4 U*	*5.3 UJ*	*5.7 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	NR	*0.22 U*	NR	NR	*0.2 U*	*0.2 U*	*0.2 U*	*0.22 U*	*0.21 UJ*	*0.23 U*
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	NR	*0.22 U*	NR	NR	*0.2 U*	*0.2 U*	*0.2 U*	*0.22 U*	*0.21 UJ*	*0.23 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	NR	*0.22 U*	NR	NR	*0.2 U*	*0.2 U*	*0.2 U*	*0.22 U*	*0.21 UJ*	*0.23 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	NR	1.1 U	NR	NR	1 U	0.99 U	0.99 U	1.1 U	1.1 UJ	1.1 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	NR	0.22 U	NR	NR	0.2 U	0.2 U	0.2 U	0.22 U	0.21 UJ	0.23 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	NR	*22 U*	NR	NR	*20 U*	*20 U*	*20 U*	*22 U*	*21 UJ*	*23 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	2.2 U	2.1 U	2.3 U
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	NR	2.2 U	NR	NR	2 U	2 U	2 U	2.2 U	2.1 UJ	2.3 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	NR	*2.2 U*	NR	NR	*2 U*	*2 U*	*2 U*	*2.2 U*	*2.1 UJ*	*2.3 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	NR	*11 U*	NR	NR	*10 U*	*9.9 U*	*9.9 U*	*11 U*	*11 UJ*	*11 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	NR	2.2 U	NR	NR	2 U	2 U	2 U	2.2 U	2.1 UJ	2.3 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	NR	NR	NR	5 U	5.4 U	5.3 U	5.7 U
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 UJ*	*5 U*	*5.4 U*	*5.3 UJ*	*5.7 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	NR	0.54 U	NR	NR	0.51 U	0.5 U	0.5 U	0.54 U	0.53 UJ	0.57 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 UJ*	*5 U*	*5.4 U*	*5.3 U*	*5.7 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	NR	*0.33 U*	NR	NR	*0.31 U*	*0.3 U*	*0.3 U*	*0.32 U*	*0.32 UJ*	*0.34 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	NR	2.2 U	NR	NR	2 U	2 U	2 U	2.2 U	2.1 U	2.3 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	NR	2.2 U	NR	NR	2 U	2 U	2 U	2.2 U	2.1 U	2.3 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	NR	2.2 U	NR	NR	2 U	2 U	2 U	2.2 U	2.1 U	2.3 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	NR	5.4 U	NR	NR	5.1 U	5 U	5 U	5.4 U	5.3 U	5.7 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	NR	11 U	NR	NR	10 U	9.9 U	9.9 U	11 U	11 UJ	11 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	NR	5.4 U	NR	NR	5.1 U	5 UJ	5 U	5.4 U	5.3 U	5.7 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5.4 U	NR	NR	5.1 U	5 UJ	5 U	5.4 U	5.3 UJ	5.7 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	NR	1.1 U	NR	NR	1 U	0.99 U	0.99 U	1.1 U	1.1 U	1.1 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	NR	1.1 U	NR	NR	1 U	0.99 U	0.99 U	1.1 U	1.1 U	1.1 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	NR	*0.54 U*	NR	NR	*0.51 U*	*0.5 U*	*0.5 U*	*0.54 U*	*0.53 U*	*0.57 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 U*	*5 U*	*5.4 U*	*5.3 UJ*	*5.7 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	NR	*22 U*	NR	NR	*20 U*	*20 U*	*20 U*	*22 U*	*21 U*	*23 U*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 U*	*5 U*	*5.4 U*	*5.3 UJ*	*5.7 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	NR	*110 U*	NR	NR	*100 U*	*99 UJ*	*99 U*	*110 U*	*110 UJ*	*110 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	22 U	NR	NR	20 U	20 U	20 U	22 U	21 UJ	23 UJ
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	NR	*0.22 U*	NR	NR	*0.2 U*	*0.2 U*	*0.2 U*	*0.22 U*	*0.21 UJ*	*0.23 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	NR	2.2 U	NR	NR	2 U	2 U	2 U	2.2 U	2.1 UJ	2.3 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5.4 U	NR	NR	5.1 U	5 UJ	5 U	5.4 U	5.3 U	5.7 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 UJ*	*5 U*	*5.4 U*	*5.3 U*	*5.7 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	43 U	NR	NR	41 U	40 UJ	40 U	43 U	42 U	46 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 UJ*	*5 U*	*5.4 U*	*5.3 UJ*	*5.7 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	NR	*1.1 U*	NR	NR	*1 U*	*0.99 U*	*0.99 U*	*1.1 U*	*1.1 UJ*	*1.1 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	NR	*1.1 U*	NR	NR	*1 U*	*0.99 U*	*0.99 U*	*1.1 U*	*1.1 UJ*	*1.1 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 UJ*	*5 U*	*5.4 U*	*5.3 UJ*	*5.7 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	NR	*11 UJ*	NR	NR	*10 UJ*	*9.9 U*	*9.9 U*	*11 U*	*11 UJ*	*11 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 UJ*	*5 U*	*5.4 U*	*5.3 UJ*	*5.7 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	NR	*0.54 U*	NR	NR	*0.51 U*	*0.5 U*	*0.5 U*	*0.54 U*	*0.53 UJ*	*0.57 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	NR	1.1 U	NR	NR	1 U	0.99 U	0.99 U	1.1 U	1.1 U	1.1 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 UJ*	*5 U*	*5.4 U*	*5.3 UJ*	*5.7 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 UJ*	*5 U*	*5.4 U*	*5.3 UJ*	*5.7 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5.4 U	NR	NR	5.1 U	5 UJ	5 U	5.4 U	5.3 UJ	5.7 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 UJ*	*5 U*	*5.4 U*	*5.3 UJ*	*5.7 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5.4 U	NR	NR	5.1 U	5 UJ	5 U	5.4 U	5.3 UJ	5.7 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 UJ*	*5 U*	*5.4 U*	*5.3 UJ*	*5.7 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07
										Sample Date	**4/21/2009**	**4/21/2009**	**4/21/2009**	**4/21/2009**	**4/21/2009**	**9/21/2009**	**3/10/2010**	**9/20/2010**	**3/21/2012**	**3/22/2011**
										Lab Sample ID	**510-39202-1**	**510-39202-2**	**510-39202-3**	**510-39202-4**	**510-39202-5**	**510-44768-1**	**510-50310-2**	**510-56995-3**	**510-76937-2**	**510-63448-2**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**FD**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 UJ*	*5 U*	*5.4 U*	*5.3 U*	*5.7 U*
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	*11 U*	*11 U*	*11 UJ*
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 UJ*	*5 U*	*5.4 U*	*5.3 U*	*5.7 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	NR	*22 U*	NR	NR	*20 U*	*20 U*	*20 U*	*22 U*	*21 U*	*23 U*
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	NR	5.4 U	NR	NR	5.1 U	5 UJ	5 U	5.4 U	5.3 U	5.7 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	NR	*1.1 U*	NR	NR	*1 U*	*0.99 U*	*0.99 U*	*1.1 U*	*1.1 U*	*1.1 U*
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	NR	5.4 U	NR	NR	5.1 U	5 U	5 U	5.4 U	5.3 UJ	5.7 U
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NV	NV	NV	NV	NV	NR	43 U	NR	NR	41 U	40 UJ	40 U	43 U	42 UJ	46 U
Pronamide	23950-58-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	NR	5.4 U	NR	NR	5.1 U	5 UJ	9.9 U	11 U	11 U	11 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	NR	*1.1 U*	NR	NR	*1 U*	*0.99 U*	*0.99 U*	*1.1 U*	*1.1 UJ*	*1.1 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	NR	*22 UJ*	NR	NR	20 UJ	20 UJ	20 U	*22 U*	*21 UJ*	*23 U*
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	*11 U*	*11 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	NR	*5.4 U*	NR	NR	*5.1 U*	*5 UJ*	*5 U*	*5.4 U*	*5.3 UJ*	*5.7 U*
General Chemistry																				
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	NR	NR	*10 U*	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Metals																				
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	NR	NR	**44**	NR	**40**	**37**	**41**	**44**	*50 U*	**37**
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	NR	NR	110	NR	110	100	99	100	120 U	100
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	NR	NR	*10 U*	NR	*10 U*	*10 U*	*10 U*	*10 U*	1 U	*10 U*
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	NR	NR	10 U	NR	10 U	10 U	10 U	10 U	1.5 U	10 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	NR	NR	*50 U*	NR	*50 U*	*50 U*	*50 U*	*50 U*	0.5 U	*50 U*
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	NR	NR	NR	NR	NR	NR	NR	NR	*15 U*	*15 U*
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	NR	NR	0.2 U	NR	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	NR	NR	*20 U*	NR	*20 U*	*20 U*	*20 U*	*20 U*	1 U	*20 U*
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	NR	NR	*40 U*	NR	*40 U*	*40 U*	*40 U*	*40 U*	*2 U*	*40 U*
Polychlorinated Biphenyls (PCBs)																				
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	NR	NR	NR	*0.53 U*	*0.52 U*	*0.53 U*	*0.5 U*	*0.56 U*	*0.52 U*	*0.51 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	NR	NR	NR	*0.53 U*	*0.52 U*	*0.53 U*	*0.5 U*	*0.56 U*	*0.52 U*	*0.51 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	NR	NR	NR	*0.53 U*	*0.52 U*	*0.53 U*	*0.5 U*	*0.56 U*	*0.52 U*	*0.51 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	NR	NR	NR	*0.53 U*	*0.52 U*	*0.53 U*	*0.5 U*	*0.56 U*	*0.52 U*	*0.51 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	NR	NR	NR	*0.53 U*	*0.52 U*	*0.53 U*	*0.5 U*	*0.56 U*	*0.52 U*	*0.51 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	NR	NR	NR	*0.53 U*	*0.52 U*	*0.53 U*	*0.5 U*	*0.56 U*	*0.52 U*	*0.51 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	NR	NR	NR	*0.53 U*	*0.52 U*	*0.53 U*	*0.5 U*	*0.56 U*	*0.52 U*	*0.51 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	*0.53 U*	*0.52 U*	*0.53 U*	0.5 U	*0.56 U*	*0.52 U*	*0.51 U*
Volatile Organic Compounds (VOCS)																				
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 UJ*	*1 UJ*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 UJ	1 UJ	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 UJ*	*1 UJ*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 UJ*	*1 UJ*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 UJ	1 UJ	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 UJ	1 UJ	1 U	1 U	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 UJ*	*1 UJ*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*2 U*	NR	NR	NR	*2 U*	*2 UJ*	*2 UJ*	*2 U*	*2 U*	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 UJ*	*1 UJ*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 UJ*	*1 UJ*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 UJ*	*1 UJ*	*1 U*	*1 U*	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U	NR	NR	NR	5 U	5 UJ	5 UJ	5 U	5 U	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 UJ*	*1 UJ*	*1 U*	*1 U*	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U	NR	NR	NR	5 U	5 UJ	5 UJ	5 U	5 U	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*2.5 U*	NR	NR	NR	*2.5 U*	*2.5 UJ*	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07
										Sample Date	4/21/2009	4/21/2009	4/21/2009	4/21/2009	4/21/2009	9/21/2009	3/10/2010	9/20/2010	3/21/2012	3/22/2011
										Lab Sample ID	510-39202-1	510-39202-2	510-39202-3	510-39202-4	510-39202-5	510-44768-1	510-50310-2	510-56995-3	510-76937-2	510-63448-2
										Sample Type	TRG	TRG	TRG	TRG	FD	TRG	TRG	TRG	TRG	TRG
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 U	NR	NR	NR	5 U	5 UJ	5 UJ	5 U	5 U	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	5 U	NR	NR	NR	5 U	5 UJ	5 UJ	5 U	5 U	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 U	NR	NR	NR	20 U	20 UJ	20 UJ	20 U	20 U	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 U*	NR	NR	NR	*100 U*	*100 UJ*	*100 UJ*	*100 U*	*100 U*	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 U*	NR	NR	NR	*20 U*	*20 UJ*	*20 UJ*	*20 U*	*20 U*	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 UJ*	*1 UJ*	*1 U*	*0.5 U*	*0.5 U*
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 UJ*	*1 UJ*	*1 U*	*1 U*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 UJ	1 UJ	1 U	1 U	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 UJ	1 UJ	1 U	1 U	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 U	NR	NR	NR	5 U	5 UJ	5 UJ	5 U	5 U	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 UJ*	*1 UJ*	*1 U*	*1 U*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 UJ	1 UJ	1 U	1 U	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 UJ	1 UJ	1 U	1 U	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 UJ*	*1 UJ*	*1 U*	*1 U*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 UJ	1 UJ	1 U	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 UJ	1 UJ	1 U	1 U	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 UJ*	*1 UJ*	*1 U*	*1 U*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 UJ	1 UJ	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 UJ	1 UJ	1 U	1 U	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 U	NR	NR	NR	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 UJ	1 UJ	1 U	0.5 U	0.5 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 U	NR	NR	NR	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	100 U	NR	NR	NR	100 U	100 UJ	100 UJ	100 U	100 U	100 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 U*	NR	NR	NR	*2.5 U*	*2.5 UJ*	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 U	NR	NR	NR	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	2 U	NR	NR	NR	2 U	2 UJ	2 UJ	2 U	5 U	2 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*2.5 U*	NR	NR	NR	*2.5 U*	*10 UJ*	*10 UJ*	*10 U*	*10 U*	*10 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	NR	NR	NR	20 U	20 UJ	20 UJ	20 U	20 U	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 UJ	1 UJ	1 U	1 U	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 UJ	1 UJ	1 U	1 U	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	1.7 J	NR	NR	NR	1 UJ	1 UJ	1 UJ	1 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 UJ	1 UJ	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 UJ	1 UJ	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*2.5 U*	NR	NR	NR	*2.5 U*	*10 UJ*	*10 UJ*	*10 U*	*10 U*	*10 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 UJ*	*1 UJ*	*1 U*	*0.5 U*	*0.5 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 UJ	1 UJ	1 U	1 U	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	5 U	NR	NR	NR	5 U	5 UJ	5 UJ	5 U	2 U	2 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 UJ*	*1 UJ*	*1 U*	*0.5 U*	*0.5 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	2 U	NR	NR	NR	2 U	2 UJ	2 UJ	2 U	1 U	1 U

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08
										Sample Date	9/14/2011	3/21/2012	9/18/2012	4/23/2009	9/23/2009	3/11/2010	9/22/2010	3/23/2011	9/13/2011	3/22/2012
										Lab Sample ID	510-70004-6	510-76937-2	510-83632-2	510-39296-5	510-44875-1	510-50340-4	510-57054-5	510-63501-6	510-69947-9	510-76942-2
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
Semi-Volatile Organic Compounds (SVOCs)																				
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*5.3 U*	*5.3 U*	*4.7 U*	*5 U*	*5.2 UJ*	*4.7 U*	*5.6 U*	*5.2 U*	*5.5 UJ*	*5 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*2.1 U*	*2.1 UJ*	*1.9 UJ*	*2 UJ*	*2.1 U*	*1.9 UJ*	*2.2 U*	*2.1 U*	*2.2 UJ*	*2 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	2.1 U	2.1 UJ	1.9 U	2 UJ	2.1 U	1.9 UJ	2.2 U	2.1 U	2.2 UJ	2 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	5.3 U	5.3 U	4.7 U	5 U	5.2 UJ	4.7 U	5.6 U	5.2 U	5.5 U	5 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	2.1 U	2.1 UJ	1.9 UJ	2 UJ	2.1 U	1.9 UJ	2.2 U	2.1 U	2.2 UJ	2 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*2.1 U*	*2.1 UJ*	*1.9 U*	*2 UJ*	*2.1 U*	*1.9 UJ*	*2.2 U*	*2.1 U*	*2.2 UJ*	*2 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*21 U*	*21 UJ*	*19 UJ*	*20 U*	*21 UJ*	*19 U*	*22 U*	*21 U*	*22 UJ*	*20 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 U	11 U	9.4 U	10 U	10 UJ	9.3 U	11 U	10 U	11 U	10 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 U	11 U	9.4 U	5 U	5.2 UJ	9.3 U	11 U	10 U	11 U	10 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	5.3 UJ	5.3 U	4.7 U	5 U	5.2 UJ	4.7 U	5.6 U	5.2 U	5.5 U	5 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*11 UJ*	*11 U*	*9.4 UJ*	*10 U*	*10 U*	*9.3 U*	*11 U*	*10 U*	*11 U*	*10 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*5.3 UJ*	*5.3 U*	*4.7 UJ*	*5 U*	*5.2 U*	*4.7 U*	*5.6 U*	*5.2 U*	*5.5 U*	*5 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	11 UJ	11 UJ	9.4 UJ	10 UJ	10 U	9.3 UJ	11 U	10 U	11 UJ	10 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	11 UJ	11 UJ	9.4 UJ	10 U	10 U	9.3 U	11 U	10 U	11 UJ	10 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	*21 UJ*	*21 U*	19 U	*20 U*	*21 U*	19 U	*22 U*	*21 U*	*22 U*	*20 U*
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*1.1 U*	*1.1 U*	*0.94 U*	*1 U*	*1 U*	*0.93 U*	*1.1 U*	*1 U*	*1.1 U*	*1 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*5.3 UJ*	*5.3 UJ*	*4.7 UJ*	*5 U*	*5.2 UJ*	*4.7 UJ*	*5.6 U*	*5.2 U*	*5.5 UJ*	*5 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*0.53 U*	*0.53 U*	R	*0.5 U*	*0.52 U*	*0.47 U*	*0.56 U*	*0.52 U*	*0.55 U*	*0.5 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*5.3 U*	*5.3 UJ*	*4.7 U*	*5 U*	*5.2 UJ*	*4.7 U*	*5.6 U*	*5.2 U*	*5.5 U*	*5 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*2.1 U*	*2.1 U*	*1.9 U*	*2 U*	*2.1 U*	*1.9 U*	*2.2 U*	*2.1 U*	*2.2 UJ*	*2 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	5.3 UJ	5.3 UJ	4.7 UJ	5 UJ	5.2 U	4.7 UJ	5.6 U	5.2 UJ	5.5 UJ	5 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	0.53 U	0.53 UJ	0.47 UJ	0.5 UJ	0.52 U	0.47 UJ	0.56 U	0.52 U	0.55 UJ	5 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	2.1 UJ	2.1 UJ	1.9 UJ	2 UJ	2.1 U	1.9 UJ	2.2 U	2.1 U	2.2 UJ	2 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*11 U*	*11 U*	*9.4 U*	*5 U*	*5.2 UJ*	*9.3 U*	*11 U*	*10 U*	*11 U*	*10 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	5.3 U	5.3 U	4.7 U	5 U	5.2 U	4.7 U	5.6 U	5.2 U	5.5 U	5 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	11 UJ	11 UJ	9.4 UJ	10 UJ	10 U	9.3 UJ	11 U	10 U	11 UJ	10 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 U	11 UJ	9.4 U	10 U	10 UJ	9.3 U	11 U	10 U	11 U	10 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*11 UJ*	*11 U*	*9.4 U*	*10 U*	*10 UJ*	*9.3 U*	*11 U*	*10 U*	*11 U*	*10 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.1 UJ	2.1 U	1.9 UJ	2 U	2.1 U	1.9 U	2.2 U	2.1 U	2.2 UJ	2 U
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*5.3 U*	*5.3 UJ*	*4.7 U*	*5 UJ*	*5.2 U*	*4.7 U*	*5.6 U*	*5.2 UJ*	*5.5 UJ*	*5 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	*21 UJ*	*21 UJ*	*19 UJ*	R	*21 UJ*	*19 U*	*22 U*	*21 U*	*22 UJ*	*20 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*5.3 U*	*5.3 UJ*	*4.7 U*	*5 UJ*	*5.2 UJ*	*4.7 U*	*5.6 U*	*5.2 U*	*5.5 U*	*5 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 U	11 U	9.4 UJ	10 U	10 U	9.3 U	11 U	10 U	11 U	10 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*21 UJ*	*21 U*	*19 U*	*20 U*	*21 U*	*19 U*	*22 U*	*21 U*	*22 U*	*20 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*11 U*	*11 U*	*9.4 U*	*5 U*	*5.2 UJ*	*9.3 U*	*11 U*	*10 U*	*11 U*	*10 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*5.3 U*	*5.3 U*	*4.7 U*	*5 U*	*5.2 U*	*4.7 U*	*5.6 U*	*5.2 U*	*5.5 U*	*5 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	11 UJ	11 UJ	9.4 UJ	10 U	10 U	9.3 U	11 U	10 U	11 UJ	10 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*11 U*	*11 UJ*	*9.4 UJ*	*10 UJ*	*10 U*	*9.3 U*	*11 U*	*10 U*	*11 U*	*10 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 U	5.3 U	4.7 UJ	5 U	5.2 U	4.7 U	5.6 U	5.2 U	5.5 UJ	5 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*11 U*	*11 U*	*9.4 U*	*10 U*	*10 U*	*9.3 U*	*11 U*	*10 U*	*11 U*	*10 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	21 UJ	21 U	19 U	20 U	21 U	19 U	22 U	21 U	22 U	20 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	21 U	21 U	NR	20 U	21 UJ	19 U	22 U	21 U	22 U	20 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	5.3 U	5.3 U	4.7 U	5 U	5.2 UJ	4.7 U	5.6 U	5.2 U	5.5 U	5 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*5.3 U*	*5.3 UJ*	*4.7 U*	*5 UJ*	*5.2 UJ*	*4.7 U*	*5.6 U*	*5.2 U*	*5.5 U*	*5 U*
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	43 U	42 UJ	38 U	40 U	42 UJ	37 U	44 U	41 U	44 U	40 U
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	1.1 U	1.1 U	0.94 U	1 U	1 U	0.93 U	1.1 U	1 U	1.1 U	1 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	1.1 U	1.1 U	0.94 UJ	1 U	1 U	0.93 U	1.1 U	1 U	1.1 UJ	1 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	5.3 U	5.3 UJ	4.7 UJ	5 U	5.2 UJ	4.7 U	5.6 U	5.2 U	5.5 UJ	5 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*21 U*	*21 UJ*	*19 UJ*	*20 UJ*	*21 U*	*19 U*	*22 U*	*21 U*	*22 UJ*	*20 U*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*1.1 U*	*1.1 U*	*0.94 U*	*1 U*	*1 U*	*0.93 U*	*1.1 U*	*1 U*	*1.1 UJ*	*1 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08
										Sample Date	9/14/2011	3/21/2012	9/18/2012	4/23/2009	9/23/2009	3/11/2010	9/22/2010	3/23/2011	9/13/2011	3/22/2012
										Lab Sample ID	510-70004-6	510-76937-2	510-83632-2	510-39296-5	510-44875-1	510-50340-4	510-57054-5	510-63501-6	510-69947-9	510-76942-2
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*5.3 U*	*5.3 UJ*	*4.7 U*	*5 U*	*5.2 UJ*	*4.7 U*	*5.6 U*	*5.2 U*	*5.5 U*	*5 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*0.21 U*	*0.21 UJ*	*0.19 U*	*0.2 U*	*0.21 U*	*0.19 U*	*0.22 U*	*0.21 U*	*0.22 U*	*0.2 U*
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*0.21 U*	*0.21 UJ*	*0.19 U*	*0.2 UJ*	*0.21 U*	*0.19 U*	*0.22 U*	*0.21 U*	*0.22 U*	*0.2 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*0.21 U*	*0.21 UJ*	*0.19 U*	*0.2 UJ*	*0.21 U*	*0.19 U*	*0.22 U*	*0.21 U*	*0.22 UJ*	*0.2 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	1.1 U	1.1 UJ	0.94 U	1 UJ	1 U	0.93 U	1.1 U	1 U	1.1 U	1 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.21 U	0.21 UJ	0.19 U	0.2 UJ	0.21 U	0.19 U	0.22 U	0.21 U	0.22 UJ	0.2 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	*21 U*	*21 UJ*	*19 UJ*	*20 UJ*	*21 U*	*19 UJ*	*22 U*	*21 U*	*22 UJ*	*20 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	2.1 U	2.1 U	1.9 UJ	NR	NR	NR	2.2 U	2.1 U	2.2 UJ	2 U
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	2.1 U	2.1 UJ	1.9 UJ	2 UJ	2.1 U	1.9 UJ	2.2 U	2.1 UJ	2.2 UJ	2 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*2.1 U*	*2.1 UJ*	*1.9 U*	*2 UJ*	*2.1 U*	*1.9 U*	*2.2 U*	*2.1 U*	*2.2 UJ*	*2 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*11 U*	*11 UJ*	*9.4 U*	*10 U*	*10 U*	*9.3 U*	*11 U*	*10 U*	*11 U*	*10 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	2.1 U	2.1 UJ	1.9 U	2 U	2.1 U	1.9 U	2.2 U	2.1 U	2.2 UJ	2 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 U	5.3 U	4.7 U	NR	NR	4.7 U	5.6 U	5.2 U	5.5 UJ	5 U
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*5.3 U*	*5.3 UJ*	*4.7 U*	*5 U*	*5.2 UJ*	*4.7 U*	*5.6 U*	*5.2 U*	*5.5 U*	*5 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.53 U	0.53 UJ	0.47 U	0.5 U	0.52 U	0.47 U	0.56 U	0.52 U	0.55 UJ	0.5 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*5.3 U*	*5.3 U*	*4.7 U*	*5 U*	*5.2 UJ*	*4.7 U*	*5.6 U*	*5.2 U*	*5.5 U*	*5 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*0.32 U*	*0.32 UJ*	*0.28 U*	*0.3 UJ*	*0.31 U*	*0.28 U*	*0.33 U*	*0.31 U*	*0.33 UJ*	*0.3 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	2.1 U	2.1 U	1.9 U	2 U	2.1 U	1.9 U	2.2 U	2.1 U	2.2 UJ	2 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	2.1 U	2.1 U	1.9 U	2 U	2.1 U	1.9 U	2.2 U	2.1 U	2.2 U	2 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	2.1 U	2.1 U	1.9 U	2 U	2.1 U	1.9 U	2.2 U	2.1 U	2.2 U	2 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	5.3 U	5.3 U	4.7 U	5 U	5.2 U	4.7 U	5.6 U	5.2 U	5.5 UJ	5 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	11 U	11 UJ	9.4 U	10 UJ	10 U	9.3 U	11 U	10 U	11 UJ	10 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	5.3 U	5.3 U	4.7 U	5 U	5.2 UJ	4.7 U	5.6 U	5.2 U	5.5 U	5 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 U	5.3 UJ	4.7 U	5 U	5.2 UJ	4.7 U	5.6 U	5.2 U	5.5 U	5 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	1.1 U	1.1 U	0.94 U	1 U	1 U	0.93 U	1.1 U	1 U	1.1 UJ	1 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	1.1 U	1.1 U	0.94 U	1 U	1 U	0.93 U	1.1 U	1 U	1.1 U	1 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*0.53 U*	*0.53 U*	*0.47 U*	*0.5 U*	*0.52 U*	*0.47 U*	*0.56 U*	*0.52 U*	*0.55 U*	*0.5 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*5.3 U*	*5.3 UJ*	*4.7 U*	*5 UJ*	*5.2 U*	*4.7 UJ*	*5.6 U*	*5.2 U*	*5.5 UJ*	*5 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*21 U*	*21 U*	R	*20 UJ*	*21 U*	*19 U*	*22 U*	*21 U*	*22 UJ*	*20 U*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*5.3 U*	*5.3 UJ*	*4.7 U*	*5 UJ*	*5.2 U*	*4.7 UJ*	*5.6 U*	*5.2 U*	*5.5 UJ*	*5 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*110 U*	*110 UJ*	*94 U*	*100 U*	*100 UJ*	*93 UJ*	*110 U*	*100 U*	*110 U*	*100 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	21 U	21 UJ	19 U	20 U	21 U	19 U	22 U	21 UJ	22 UJ	20 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*0.21 U*	*0.21 UJ*	*0.19 U*	*0.2 UJ*	*0.21 U*	*0.19 U*	*0.22 U*	*0.21 U*	*0.22 UJ*	*0.2 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	2.1 U	2.1 UJ	1.9 UJ	2 U	2.1 U	1.9 U	2.2 U	2.1 U	2.2 UJ	2 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 U	5.3 U	4.7 U	5 U	5.2 UJ	4.7 U	5.6 U	5.2 U	5.5 U	5 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*5.3 U*	*5.3 U*	*4.7 U*	*5 U*	*5.2 UJ*	*4.7 U*	*5.6 U*	*5.2 U*	*5.5 U*	*5 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	43 U	42 U	38 U	40 U	42 UJ	37 U	44 U	41 U	44 U	40 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*5.3 U*	*5.3 UJ*	*4.7 U*	*5 U*	*5.2 UJ*	*4.7 U*	*5.6 U*	*5.2 U*	*5.5 U*	*5 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*1.1 U*	*1.1 UJ*	*0.94 UJ*	*1 UJ*	*1 U*	*0.93 U*	*1.1 U*	*1 U*	*1.1 UJ*	*1 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*1.1 U*	*1.1 UJ*	*0.94 UJ*	*1 UJ*	*1 U*	*0.93 U*	*1.1 U*	*1 U*	*1.1 UJ*	*1 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*5.3 U*	*5.3 UJ*	*4.7 U*	*5 U*	*5.2 UJ*	*4.7 U*	*5.6 U*	*5.2 UJ*	*5.5 UJ*	*5 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*11 U*	*11 UJ*	*9.4 U*	*10 U*	*10 UJ*	*9.3 U*	*11 U*	*10 U*	*11 UJ*	*10 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*5.3 U*	*5.3 UJ*	*4.7 U*	*5 U*	*5.2 UJ*	*4.7 U*	*5.6 U*	*5.2 U*	*5.5 UJ*	*5 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*0.53 U*	*0.53 UJ*	*0.47 UJ*	*0.5 UJ*	*0.52 U*	*0.47 U*	*0.56 U*	*0.52 U*	*0.55 UJ*	*0.5 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	1.1 U	1.1 U	0.94 U	1 U	1 U	0.93 U	1.1 U	1 U	1.1 UJ	1 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*5.3 U*	*5.3 UJ*	*4.7 UJ*	*5 U*	*5.2 UJ*	*4.7 UJ*	*5.6 U*	*5.2 UJ*	*5.5 UJ*	*5 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*5.3 U*	*5.3 UJ*	*4.7 U*	*5 U*	*5.2 UJ*	*4.7 U*	*5.6 U*	*5.2 U*	*5.5 U*	*5 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 U	5.3 UJ	4.7 UJ	5 U	5.2 UJ	4.7 U	5.6 U	5.2 U	5.5 UJ	5 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*5.3 U*	*5.3 UJ*	*4.7 UJ*	*5 U*	*5.2 UJ*	*4.7 U*	*5.6 U*	*5.2 U*	*5.5 UJ*	*5 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.3 U	5.3 UJ	4.7 U	5 U	5.2 UJ	4.7 U	5.6 U	5.2 U	5.5 U	5 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*5.3 U*	*5.3 UJ*	*4.7 U*	*5 U*	*5.2 UJ*	*4.7 U*	*5.6 U*	*5.2 U*	*5.5 U*	*5 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08
										Sample Date	**9/14/2011**	**3/21/2012**	**9/18/2012**	**4/23/2009**	**9/23/2009**	**3/11/2010**	**9/22/2010**	**3/23/2011**	**9/13/2011**	**3/22/2012**
										Lab Sample ID	**510-70004-6**	**510-76937-2**	**510-83632-2**	**510-39296-5**	**510-44875-1**	**510-50340-4**	**510-57054-5**	**510-63501-6**	**510-69947-9**	**510-76942-2**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*5.3 U*	*5.3 U*	*4.7 UJ*	*5 U*	*5.2 UJ*	*4.7 U*	*5.6 U*	*5.2 U*	*5.5 UJ*	*5 U*
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*11 U*	*11 U*	*9.4 UJ*	NR	NR	NR	*11 U*	*10 UJ*	*11 UJ*	*10 UJ*
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*5.3 U*	*5.3 U*	*4.7 U*	*5 U*	*5.2 UJ*	*4.7 U*	*5.6 U*	*5.2 U*	*5.5 U*	*5 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*21 UJ*	*21 U*	*19 U*	*20 U*	*21 U*	*19 U*	*22 U*	*21 U*	*22 U*	*20 U*
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	5.3 U	5.3 U	4.7 U	5 U	5.2 UJ	4.7 U	5.6 U	5.2 U	5.5 U	5 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	*1.1 U*	*1.1 U*	*0.94 U*	*1 U*	*1 U*	0.93 U	*1.1 U*	*1 U*	*1.1 U*	*1 U*
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	5.3 UJ	5.3 UJ	4.7 UJ	5 UJ	5.2 U	4.7 UJ	5.6 U	5.2 U	5.5 UJ	5 U
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NV	NV	NV	NV	NV	43 U	42 UJ	38 U	40 U	42 UJ	37 U	44 U	41 U	44 U	40 U
Pronamide	23950-58-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	11 U	11 U	9.4 U	5 U	5.2 UJ	9.3 U	11 U	10 U	11 U	10 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*1.1 U*	*1.1 UJ*	*0.94 U*	*1 U*	*1 U*	*0.93 U*	*1.1 U*	*1 U*	*1.1 UJ*	*1 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	*21 U*	*21 UJ*	19 UJ	R	*21 UJ*	19 U	*22 U*	*21 U*	*22 UJ*	20 U
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	*11 U*	*11 U*	*9.4 U*	NR	NR	NR	NR	*10 U*	*11 U*	*10 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*5.3 U*	*5.3 UJ*	*4.7 U*	*5 U*	*5.2 UJ*	*4.7 U*	*5.6 U*	*5.2 U*	*5.5 U*	*5 U*
General Chemistry																				
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*10 UJ*	*10 U*	*10 U*	NR	NR	NR	NR	NR	*10 U*	*10 U*
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Metals																				
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	**48**	**46**	**50 J**	**38**	**36**	**66**	**66**	**66**	**73**	**77**
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	110	120	140	270	250	250	**330**	320	**340**	**350**
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	1 U	1 U	1 U	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	1 U	1 U
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	1.5 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U	10 U	1.5 U	1.5 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	0.5 U	0.5 U	0.5 U	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	0.5 U	0.5 U
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	*15 U*	*15 U*	*15 U*	NR	NR	NR	NR	*15 U*	*15 U*	*15 U*
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	1 U	1 U	1 U	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	1 U	1 U
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	*2 U*	*2 U*	*2 U*	*40 U*	*40 U*	*40 U*	*40 U*	*40 U*	*2 U*	*2 U*
Polychlorinated Biphenyls (PCBs)																				
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	*0.53 U*	*0.52 U*	*0.51 U*	*0.52 UJ*	*0.52 U*	*0.5 U*	*0.56 U*	*0.57 U*	*0.56 U*	*0.52 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	*0.53 U*	*0.52 U*	*0.51 U*	*0.52 U*	*0.52 U*	*0.5 U*	*0.56 U*	*0.57 U*	*0.56 U*	*0.52 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	*0.53 U*	*0.52 U*	*0.51 U*	*0.52 U*	*0.52 U*	*0.5 U*	*0.56 U*	*0.57 U*	*0.56 U*	*0.52 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	*0.53 U*	*0.52 U*	*0.51 U*	*0.52 U*	*0.52 U*	*0.5 U*	*0.56 U*	*0.57 U*	*0.56 U*	*0.52 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	*0.53 U*	*0.52 U*	*0.51 U*	*0.52 U*	*0.52 U*	*0.5 U*	*0.56 U*	*0.57 U*	*0.56 U*	*0.52 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	*0.53 U*	*0.52 U*	*0.51 U*	*0.52 U*	*0.52 U*	*0.5 U*	*0.56 U*	*0.57 U*	*0.56 U*	*0.52 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	*0.53 U*	*0.52 U*	*0.51 U*	*0.52 U*	*0.52 U*	*0.5 U*	*0.56 U*	*0.57 U*	*0.56 U*	*0.52 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	*0.53 U*	*0.52 U*	*0.51 U*	*0.52 U*	*0.52 U*	0.5 U	*0.56 U*	*0.57 U*	*0.56 U*	*0.52 U*
Volatile Organic Compounds (VOCS)																				
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*2 UJ*	*2 U*	*2 U*	*2 U*	*2 UJ*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08
										Sample Date	**9/14/2011**	**3/21/2012**	**9/18/2012**	**4/23/2009**	**9/23/2009**	**3/11/2010**	**9/22/2010**	**3/23/2011**	**9/13/2011**	**3/22/2012**
										Lab Sample ID	**510-70004-6**	**510-76937-2**	**510-83632-2**	**510-39296-5**	**510-44875-1**	**510-50340-4**	**510-57054-5**	**510-63501-6**	**510-69947-9**	**510-76942-2**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 UJ	20 U	20 U	20 U	20 UJ	20 U	20 U	20 U	20 U	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 UJ*	*100 U*	*100 U*	*100 U*	*100 UJ*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 UJ*	*20 U*	*20 U*	*20 U*	*20 UJ*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*0.5 UJ*	*0.5 U*	*0.5 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*0.5 U*	**0.65**	*0.5 U*
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	0.5 UJ	0.5 U	0.5 U	1 U	1 UJ	1 U	1 U	0.5 U	0.5 U	0.5 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	100 UJ	100 U	NR	100 U	100 UJ	100 U	100 U	100 U	100 U	100 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	5 UJ	5 U	5 U	2 U	2 UJ	2 U	2.8 U	2 U	5 U	5 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 UJ*	*10 U*	*10 U*	*2.5 U*	*10 UJ*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 UJ	20 U	20 U	20 U	20 UJ	20 U	20 U	20 U	20 U	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	0.5 UJ	0.5 U	0.5 U	1 U	1 UJ	1 U	1 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*10 UJ*	*10 U*	*10 U*	*2.5 U*	*10 UJ*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*0.5 UJ*	*0.5 U*	*0.5 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*0.5 U*	*0.5 U*	*1 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	2 UJ	2 U	2 U	5 U	5 UJ	5 U	5 U	2 U	2 U	2 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*0.5 UJ*	*0.5 U*	*0.5 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*0.5 U*	*0.5 U*	*0.5 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	1 UJ	1 U	1 U	2 U	2 UJ	2 U	2 U	1 U	1 U	1 U

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Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P08	CAMU-P08	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09
										Sample Date	3/22/2012	9/19/2012	4/22/2009	9/22/2009	3/11/2010	9/21/2010	3/23/2011	9/13/2011	3/22/2012	3/22/2012
										Lab Sample ID	510-76942-5	510-83685-8	510-39250-6	510-44820-6	510-50340-5	510-57050-3	510-63501-4	510-69947-5	510-76942-4	510-76942-6
										Sample Type	FD	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	FD
Semi-Volatile Organic Compounds (SVOCs)																				
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 U*	*5.2 UJ*	*5.1 U*	*5.4 UJ*	*5 U*	*5 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*2 U*	*2 U*	*2 U*	*2.1 UJ*	*1.9 UJ*	*2.1 UJ*	*2 U*	*2.2 UJ*	*2 U*	*2 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	2 U	2 U	2 U	2.1 UJ	1.9 UJ	2.1 UJ	2 U	2.2 UJ	2 U	2 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	5 U	5 U	5 U	5.3 UJ	4.8 U	5.2 UJ	5.1 U	5.4 U	5 U	5 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	2 U	2 U	2 U	2.1 UJ	1.9 UJ	2.1 UJ	2 U	2.2 UJ	2 U	2 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*2 U*	*2 U*	*2 U*	*2.1 UJ*	*1.9 UJ*	*2.1 UJ*	*2 U*	*2.2 UJ*	*2 U*	*2 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*20 U*	*20 UJ*	*20 U*	*21 UJ*	*19 U*	*21 UJ*	*20 U*	*22 UJ*	*20 U*	*20 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	10 U	10 U	11 UJ	9.5 U	10 UJ	10 U	11 U	10 U	10 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	10 U	5 U	5.3 UJ	9.5 U	10 UJ	10 U	11 U	10 U	10 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	5 U	5 U	5 U	5.3 UJ	4.8 U	5.2 UJ	5.1 U	5.4 U	5 U	5 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*10 U*	*10 U*	*10 U*	*11 UJ*	*9.5 U*	*10 UJ*	*10 U*	*11 U*	*10 U*	*10 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 U*	*5.2 UJ*	*5.1 U*	*5.4 U*	*5 U*	*5 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	10 U	10 U	10 U	11 UJ	9.5 UJ	10 UJ	10 U	11 UJ	10 U	10 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	10 U	10 U	10 U	11 UJ	9.5 U	10 UJ	10 U	11 UJ	10 U	10 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	*20 U*	*20 UJ*	*20 U*	*21 UJ*	19 U	*21 UJ*	*20 U*	*22 U*	*20 U*	*20 U*
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1.1 UJ*	*0.95 U*	*1 UJ*	*1 U*	*1.1 U*	*1 U*	*1 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 UJ*	*5.2 UJ*	*5.1 U*	*5.4 UJ*	*5 U*	*5 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*0.53 UJ*	*0.48 U*	*0.52 UJ*	*0.51 U*	*0.54 U*	*0.5 U*	*0.5 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 U*	*5.2 UJ*	*5.1 U*	*5.4 U*	*5 U*	*5 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*2 U*	*2 U*	*2 U*	*2.1 UJ*	*1.9 U*	*2.1 UJ*	*2 U*	*2.2 UJ*	*2 U*	*2 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	5 U	5 U	5 U	5.3 UJ	4.8 UJ	5.2 UJ	5.1 UJ	5.4 UJ	5 U	5 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	5 U	0.5 U	0.5 U	0.53 UJ	0.48 UJ	0.52 UJ	0.51 U	0.54 UJ	5 U	5 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	2 U	2 U	2 U	2.1 UJ	1.9 UJ	2.1 UJ	2 U	2.2 UJ	2 U	2 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*10 U*	*10 U*	*5 U*	*5.3 UJ*	*9.5 U*	*10 UJ*	*10 U*	*11 U*	*10 U*	*10 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	5 U	5 U	5 U	5.3 UJ	4.8 U	5.2 UJ	5.1 U	5.4 U	5 U	5 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	10 U	10 UJ	10 U	11 UJ	9.5 UJ	10 UJ	10 U	11 UJ	10 U	10 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	10 U	10 U	11 UJ	9.5 U	10 UJ	10 U	11 U	10 U	10 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*10 U*	*10 U*	*10 U*	*11 UJ*	*9.5 U*	*10 UJ*	*10 U*	*11 U*	*10 U*	*10 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2 U	2 UJ	2 U	2.1 UJ	1.9 U	2.1 UJ	2 U	2.2 UJ	2 U	2 U
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*5 U*	*5 UJ*	*5 U*	*5.3 UJ*	*4.8 U*	*5.2 UJ*	*5.1 UJ*	*5.4 UJ*	*5 U*	*5 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	*20 U*	R	R	*21 UJ*	*19 U*	*21 UJ*	*20 U*	*22 UJ*	*20 U*	*20 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 U*	*5.2 UJ*	*5.1 U*	*5.4 U*	*5 U*	*5 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	10 UJ	10 U	11 UJ	9.5 U	10 UJ	10 U	11 U	10 U	10 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*20 U*	*20 UJ*	*20 U*	*21 UJ*	*19 U*	*21 UJ*	*20 U*	*22 U*	*20 U*	*20 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*10 U*	*10 U*	*5 U*	*5.3 UJ*	*9.5 U*	*10 UJ*	*10 U*	*11 U*	*10 U*	*10 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 U*	*5.2 UJ*	*5.1 U*	*5.4 U*	*5 U*	*5 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	10 U	10 U	10 U	11 UJ	9.5 U	10 UJ	10 U	11 UJ	10 U	10 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*10 U*	*10 U*	*10 U*	*11 UJ*	*9.5 U*	*10 UJ*	*10 U*	*11 U*	*10 U*	*10 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	5 U	5 U	5.3 UJ	4.8 U	5.2 UJ	5.1 U	5.4 UJ	5 U	5 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*10 U*	*10 UJ*	*10 U*	*11 UJ*	*9.5 U*	*10 UJ*	*10 U*	*11 U*	*10 U*	*10 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	20 U	20 U	20 U	21 UJ	19 U	21 UJ	20 U	22 U	20 U	20 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	NR	20 U	21 UJ	19 U	21 UJ	20 U	22 U	20 U	20 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	5 U	5 U	5 U	5.3 UJ	4.8 U	5.2 UJ	5.1 U	5.4 U	5 U	5 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 U*	*5.2 UJ*	*5.1 U*	*5.4 U*	*5 U*	*5 U*
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	40 U	40 U	40 U	42 UJ	38 U	42 UJ	40 U	43 U	40 U	40 U
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	1 U	1 U	1 U	1.1 UJ	0.95 U	1 UJ	1 U	1.1 U	1 U	1 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	1 U	1 U	1 U	1.1 UJ	0.95 U	1 UJ	1 U	1.1 UJ	1 U	1 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	5 U	5 U	5 U	5.3 UJ	4.8 U	5.2 UJ	5.1 U	5.4 UJ	5 U	5 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*20 U*	*20 UJ*	*20 U*	*21 UJ*	*19 U*	*21 UJ*	*20 U*	*22 UJ*	*20 U*	*20 U*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1.1 UJ*	*0.95 U*	*1 UJ*	*1 U*	*1.1 UJ*	*1 U*	*1 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P08	CAMU-P08	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09
										Sample Date	3/22/2012	9/19/2012	4/22/2009	9/22/2009	3/11/2010	9/21/2010	3/23/2011	9/13/2011	3/22/2012	3/22/2012
										Lab Sample ID	510-76942-5	510-83685-8	510-39250-6	510-44820-6	510-50340-5	510-57050-3	510-63501-4	510-69947-5	510-76942-4	510-76942-6
										Sample Type	FD	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	FD
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 U*	*5.2 UJ*	*5.1 U*	*5.4 U*	*5 U*	*5 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*0.2 U*	*0.2 U*	*0.2 U*	*0.21 UJ*	*0.19 U*	*0.21 UJ*	*0.2 U*	*0.22 U*	*0.2 U*	*0.2 U*
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*0.2 U*	*0.2 U*	*0.2 U*	*0.21 UJ*	*0.19 U*	*0.21 UJ*	*0.2 U*	*0.22 U*	*0.2 U*	*0.2 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*0.2 U*	*0.2 U*	*0.2 U*	*0.21 UJ*	*0.19 U*	*0.21 UJ*	*0.2 U*	*0.22 UJ*	*0.2 U*	*0.2 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	1.1 UJ	0.95 U	1 UJ	1 U	1.1 U	1 U	1 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.2 U	0.2 U	0.2 U	0.21 UJ	0.19 U	0.21 UJ	0.2 U	0.22 UJ	0.2 U	0.2 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	*20 U*	*20 U*	*20 U*	*21 UJ*	*19 UJ*	*21 UJ*	*20 U*	*22 UJ*	*20 U*	*20 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	2 U	2 U	NR	NR	NR	2.1 UJ	2 U	2.2 UJ	2 U	2 U
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	2 U	2 U	2 U	2.1 UJ	1.9 UJ	2.1 UJ	2 UJ	2.2 UJ	2 U	2 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*2 U*	*2 U*	*2 U*	*2.1 UJ*	*1.9 U*	*2.1 UJ*	*2 U*	*2.2 UJ*	*2 U*	*2 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*10 U*	*10 U*	*10 U*	*11 UJ*	*9.5 U*	*10 UJ*	*10 U*	*11 U*	*10 U*	*10 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	2 U	2 U	2 U	2.1 UJ	1.9 U	2.1 UJ	2 U	2.2 UJ	2 U	2 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	5 U	NR	NR	4.8 U	5.2 UJ	5.1 U	5.4 UJ	5 U	5 U
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 U*	*5.2 UJ*	*5.1 U*	*5.4 U*	*5 U*	*5 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.5 U	0.5 U	0.5 U	0.53 UJ	0.48 U	0.52 UJ	0.51 U	0.54 UJ	0.5 U	0.5 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 U*	*5.2 UJ*	*5.1 U*	*5.4 U*	*5 U*	*5 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*0.3 U*	*0.3 U*	*0.3 U*	*0.32 UJ*	*0.29 U*	*0.31 UJ*	*0.3 U*	*0.33 UJ*	*0.3 U*	*0.3 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	2 U	2 U	2 U	2.1 UJ	1.9 U	2.1 UJ	2 U	2.2 UJ	2 U	2 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	2 U	2 U	2 U	2.1 UJ	1.9 U	2.1 UJ	2 U	2.2 U	2 U	2 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	2 U	2 U	2 U	2.1 UJ	1.9 U	2.1 UJ	2 U	2.2 U	2 U	2 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	5 U	5 UJ	5 U	5.3 UJ	4.8 U	5.2 UJ	5.1 U	5.4 UJ	5 U	5 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	10 U	10 UJ	10 U	11 UJ	9.5 U	10 UJ	10 U	11 UJ	10 U	10 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	5 U	5 U	5 U	5.3 UJ	4.8 U	5.2 UJ	5.1 U	5.4 U	5 U	5 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	5 U	5 U	5.3 UJ	4.8 U	5.2 UJ	5.1 U	5.4 U	5 U	5 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	1 U	1 U	1 U	1.1 UJ	0.95 U	1 UJ	1 U	1.1 UJ	1 U	1 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	1 U	1 U	1 U	1.1 UJ	0.95 U	1 UJ	1 U	1.1 U	1 U	1 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*0.53 UJ*	*0.48 U*	*0.52 UJ*	*0.51 U*	*0.54 U*	*0.5 U*	*0.5 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 UJ*	*5.2 UJ*	*5.1 U*	*5.4 UJ*	*5 U*	*5 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*20 U*	*20 UJ*	*20 U*	*21 UJ*	*19 U*	*21 UJ*	*20 U*	*22 UJ*	*20 U*	*20 U*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 UJ*	*5.2 UJ*	*5.1 U*	*5.4 UJ*	*5 U*	*5 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*100 U*	*100 U*	*100 U*	*110 UJ*	*95 UJ*	*100 UJ*	*100 U*	*110 U*	*100 U*	*100 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	20 UJ	20 U	21 UJ	19 U	21 UJ	20 UJ	22 UJ	20 U	20 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*0.2 U*	*0.2 U*	*0.2 U*	*0.21 UJ*	*0.19 U*	*0.21 UJ*	*0.2 U*	*0.22 UJ*	*0.2 U*	*0.2 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	2 U	2 U	2 U	2.1 UJ	1.9 U	2.1 UJ	2 U	2.2 UJ	2 U	2 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	5 U	5 U	5.3 UJ	4.8 U	5.2 UJ	5.1 U	5.4 U	5 U	5 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 U*	*5.2 UJ*	*5.1 U*	*5.4 U*	*5 U*	*5 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	40 U	40 U	40 U	42 UJ	38 U	42 UJ	40 U	43 U	40 U	40 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 U*	*5.2 UJ*	*5.1 U*	*5.4 U*	*5 U*	*5 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1.1 UJ*	*0.95 U*	**1.9 J**	*1 U*	*1.1 UJ*	*1 U*	*1 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1.1 UJ*	*0.95 U*	*1 UJ*	*1 U*	*1.1 UJ*	*1 U*	*1 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 U*	*5.2 UJ*	*5.1 UJ*	*5.4 UJ*	*5 U*	*5 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*10 U*	*10 U*	*10 U*	*11 UJ*	*9.5 U*	*10 UJ*	*10 U*	*11 UJ*	*10 U*	*10 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 U*	*5.2 UJ*	*5.1 U*	*5.4 UJ*	*5 U*	*5 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*0.53 UJ*	*0.48 U*	*0.52 UJ*	*0.51 U*	*0.54 UJ*	*0.5 U*	*0.5 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	1 U	1 U	1 U	1.1 UJ	0.95 U	1 UJ	1 U	1.1 UJ	1 U	1 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 UJ*	*5.2 UJ*	*5.1 UJ*	*5.4 UJ*	*5 U*	*5 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 U*	*5.2 UJ*	*5.1 U*	*5.4 U*	*5 U*	*5 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	5 U	5 U	5.3 UJ	4.8 U	5.2 UJ	5.1 U	5.4 UJ	5 U	5 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*5 U*	*5 UJ*	*5 U*	*5.3 UJ*	*4.8 U*	*5.2 UJ*	*5.1 U*	*5.4 UJ*	*5 U*	*5 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	5 U	5 U	5.3 UJ	4.8 U	5.2 UJ	5.1 U	5.4 U	5 U	5 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 U*	*5.2 UJ*	*5.1 U*	*5.4 U*	*5 U*	*5 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P08	CAMU-P08	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09
										Sample Date	**3/22/2012**	**9/19/2012**	**4/22/2009**	**9/22/2009**	**3/11/2010**	**9/21/2010**	**3/23/2011**	**9/13/2011**	**3/22/2012**	**3/22/2012**
										Lab Sample ID	**510-76942-5**	**510-83685-8**	**510-39250-6**	**510-44820-6**	**510-50340-5**	**510-57050-3**	**510-63501-4**	**510-69947-5**	**510-76942-4**	**510-76942-6**
										Sample Type	**FD**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**FD**
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 U*	*5.2 UJ*	*5.1 U*	*5.4 UJ*	*5 U*	*5 U*
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 UJ*	*10 U*	NR	NR	NR	*10 UJ*	*10 UJ*	*11 UJ*	*10 UJ*	*10 UJ*
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 U*	*5.2 UJ*	*5.1 U*	*5.4 U*	*5 U*	*5 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*20 U*	*20 UJ*	*20 U*	*21 UJ*	*19 U*	*21 UJ*	*20 U*	*22 U*	*20 U*	*20 U*
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	5 U	5 U	5 U	5.3 UJ	4.8 U	5.2 UJ	5.1 U	5.4 U	5 U	5 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1.1 UJ*	*0.95 U*	*1 UJ*	*1 U*	*1.1 U*	*1 U*	*1 U*
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	5 U	5 U	5 U	5.3 UJ	4.8 UJ	5.2 UJ	5.1 U	5.4 UJ	5 U	5 U
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NV	NV	NV	NV	NV	40 U	40 U	40 U	42 UJ	38 U	42 UJ	40 U	43 U	40 U	40 U
Pronamide	23950-58-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	10 U	10 U	5 U	5.3 UJ	9.5 U	10 UJ	10 U	11 U	10 U	10 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1.1 UJ*	*0.95 U*	*1 UJ*	*1 U*	*1.1 UJ*	*1 U*	*1 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	20 U	R	20 U	*21 UJ*	19 U	*21 UJ*	20 U	*22 UJ*	20 U	20 U
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	*10 U*	*10 U*	NR	NR	NR	NR	*10 U*	*11 U*	*10 U*	*10 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*5 U*	*5 U*	*5 U*	*5.3 UJ*	*4.8 U*	*5.2 UJ*	*5.1 U*	*5.4 U*	*5 U*	*5 U*
General Chemistry																				
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*10 U*	*10 U*	NR	NR	NR	NR	NR	*10 U*	*10 U*	*10 U*
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Metals																				
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	**79**	**46**	*30 U*	*30 U*	*30 U*	*30 U*	*30 U*	**15**	**16**	**16**
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	**360**	**330**	190	190	180	190	200	210	210	210
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	1 U	1 U	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	1 U	1 U	1 U
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	1.5 U	1.5 U	10 U	10 U	10 U	10 U	10 U	1.5 U	1.5 U	1.5 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	0.5 U	0.5 U	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	0.5 U	0.5 U	0.5 U
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	*15 U*	*15 U*	NR	NR	NR	NR	*15 U*	*15 U*	*15 U*	*15 U*
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	1 U	1 U	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	1 U	1 U	1 U
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	*2 U*	*2 U*	*40 U*	*40 U*	*40 U*	*40 U*	*40 U*	*2 U*	*2 U*	*2 U*
Polychlorinated Biphenyls (PCBs)																				
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	*0.52 U*	*0.53 U*	*0.52 U*	*0.54 U*	*0.5 U*	*0.58 U*	*0.53 U*	*0.55 U*	*0.51 U*	*0.52 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	*0.52 U*	*0.53 U*	*0.52 U*	*0.54 U*	*0.5 U*	*0.58 U*	*0.53 U*	*0.55 U*	*0.51 U*	*0.52 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	*0.52 U*	*0.53 U*	*0.52 U*	*0.54 U*	*0.5 U*	*0.58 U*	*0.53 U*	*0.55 U*	*0.51 U*	*0.52 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	*0.52 U*	*0.53 U*	*0.52 U*	*0.54 U*	*0.5 U*	*0.58 U*	*0.53 U*	*0.55 U*	*0.51 U*	*0.52 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	*0.52 U*	*0.53 U*	*0.52 U*	*0.54 U*	*0.5 U*	*0.58 U*	*0.53 U*	*0.55 U*	*0.51 U*	*0.52 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	*0.52 U*	*0.53 U*	*0.52 U*	*0.54 U*	*0.5 U*	*0.58 U*	*0.53 U*	*0.55 U*	*0.51 U*	*0.52 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	*0.52 U*	*0.53 U*	*0.52 U*	*0.54 U*	*0.5 U*	*0.58 U*	*0.53 U*	*0.55 U*	*0.51 U*	*0.52 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	*0.52 U*	*0.53 U*	*0.52 U*	*0.54 U*	0.5 U	*0.58 U*	*0.53 U*	*0.55 U*	*0.51 U*	*0.52 U*
Volatile Organic Compounds (VOCS)																				
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P08	CAMU-P08	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09
										Sample Date	3/22/2012	9/19/2012	4/22/2009	9/22/2009	3/11/2010	9/21/2010	3/23/2011	9/13/2011	3/22/2012	3/22/2012
										Lab Sample ID	510-76942-5	510-83685-8	510-39250-6	510-44820-6	510-50340-5	510-57050-3	510-63501-4	510-69947-5	510-76942-4	510-76942-6
										Sample Type	FD	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	FD
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 U	20 U	20 U	20 UJ	20 U	20 U	20 U	20 U	20 U	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 U*	*100 U*	*100 U*	*100 UJ*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 U*	*20 U*	*20 U*	*20 UJ*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	0.5 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	100 U	NR	100 U	100 UJ	100 U	100 U	100 U	100 U	100 U	100 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 UJ*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	5 U	5 U	2 U	2 U	2 U	2 U	2 U	5 U	5 U	5 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 U*	*10 U*	*2.5 U*	*10 UJ*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	20 U	20 U	20 UJ	20 U	20 U	20 U	20 U	20 U	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	0.5 U	0.5 U	1.6	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*10 U*	*10 U*	*2.5 U*	*10 UJ*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*1 U*	*0.5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*0.5 U*	*0.5 U*	*1 U*	*1 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	2 U	2 U	5 U	5 U	5 U	5 U	2 U	2 U	2 U	2 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	1 U	1 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P09
										Sample Date	9/19/2012
										Lab Sample ID	510-83685-2
										Sample Type	TRG
Semi-Volatile Organic Compounds (SVOCs)											
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*5 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*2 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	2 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	5 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	2 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*2 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*20 UJ*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	5 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*10 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*5 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	10 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	10 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	*20 UJ*
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*1 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*5 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*0.5 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*5 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*2 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	5 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	0.5 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	2 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*10 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	5 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	10 UJ
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*10 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2 UJ
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*5 UJ*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	R
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*5 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 UJ
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*20 UJ*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*10 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*5 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	10 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*10 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*10 UJ*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	20 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	5 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*5 U*
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	40 U
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	1 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	1 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	5 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*20 UJ*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*1 U*

Table 2A
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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P09
										Sample Date	9/19/2012
										Lab Sample ID	510-83685-2
										Sample Type	TRG
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*5 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*0.2 U*
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*0.2 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*0.2 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	1 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.2 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	*20 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	2 U
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	2 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*2 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*10 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	2 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*5 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.5 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*5 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*0.3 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	2 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	2 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	2 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	5 UJ
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	10 UJ
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	5 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	1 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	1 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*0.5 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*5 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*20 UJ*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*5 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*100 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 UJ
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*0.2 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	2 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*5 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	40 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*5 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*1 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*1 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*5 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*10 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*5 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*0.5 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	1 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*5 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*5 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*5 UJ*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*5 U*

Table 2A
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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P09
										Sample Date	**9/19/2012**
										Lab Sample ID	**510-83685-2**
										Sample Type	**TRG**
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*5 U*
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 U*
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*5 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*20 UJ*
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	5 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	*1 U*
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	5 U
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NV	NV	NV	NV	NV	40 U
Pronamide	23950-58-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	10 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*1 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	R
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	*10 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*5 U*
General Chemistry											
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*10 U*
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR
Total Metals											
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	**15**
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	210
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	1 U
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	1.5 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	0.5 U
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	*15 U*
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	1 U
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	*2 U*
Polychlorinated Biphenyls (PCBs)											
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	*0.52 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	*0.52 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	*0.52 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	*0.52 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	*0.52 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	*0.52 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	*0.52 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	*0.52 U*
Volatile Organic Compounds (VOCS)											
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*2.5 U*

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										Sample Date	**9/19/2012**
										Lab Sample ID	**510-83685-2**
										Sample Type	**TRG**
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*0.5 U*
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 UJ
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	0.5 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	5 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	0.5 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*10 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*0.5 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	2 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*0.5 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	1 U

Table 2A
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2009-2012)
U. S. Steel - Gary Works
Gary, Indiana

Notes:

The screening values used for the comparisons include the USEPA Maximum Contaminant Levels (USEPA, 2013), the USEPA Regional Screening Levels for Tapwater (USEPA, May, 2016), the Ecological Screening Values (URS, 2011) established for the East Breakwater Area, and CAMU-specific Prediction Limits for metals.

CAS - chemical abstract system [number]
ESV - Ecological Screening Value
FD - field duplicate
MCL - Maximum Contaminant Level
NA - not applicable
NV - no value
RSL - Regional Screening Level
TRG = field sample
µg/L = micrograms per liter
USEPA - United States Environmental Protection Agency
* The results for 3&4-Methylphenol were compared to the screening value for 4-Methylphenol since this is the most conservative.

J indicates the chemical result is estimated, detected above the method detection limit but below the reporting limit.
R indicates the chemical result was rejected due to quality control exceedanes.
U indicates the chemical was not detected. The value presented is the reporting limit.
UJ indicates the chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the analyte in the sample.
UX indicates the chemical was not detected at or above the sample reporting limit and is a qualitative value. A qualitative value should be used with caution and should not be used for quantitative purposes.

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

Samples collected in April 2014 were to verify exceedances of screening criteria.
Samples collected in May and November 2014 were quarterly samples collected at locations with confirmed exceedances, in accordance with the CAMU O&M Plan

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R
										Sample Date	**2/14/2013**	**8/20/2013**	**3/3/2014**	**8/18/2014**	**5/18/2015**	**5/18/2015**	**5/18/2015**
										Lab Sample ID	**510-88983-3**	**500-61539-5**	**500-72496-1**	**500-82576-4**	**1505963-05A**	**1505963-05B**	**1505963-05C**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
Semi-Volatile Organic Compounds (SVOCs)																	
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*5.4 U*	*4.8 U*	*3.8 U*	*3.9 U*	NR	*10 U*	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*2.1 U*	*1.9 U*	*1.5 U*	*1.6 U*	NR	*5 U*	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	2.1 U	1.9 U	1.5 U	1.6 U	NR	5 U	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	5.4 U	4.8 U	7.6 U	7.9 U	NR	10 U	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	2.1 U	1.9 U	1.5 U	1.6 U	NR	5 U	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*2.1 U*	*1.9 U*	*1.5 U*	*1.6 U*	NR	*5 U*	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*21 UJ*	*19 U*	*15 U*	*16 U*	NR	*5 U*	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 U	9.5 U	30 U	31 U	NR	5 U	NR
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 U	9.5 U	15 U	16 U	NR	10 U	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	5.4 U	4.8 UJ	3.8 U	3.9 U	NR	5 U	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*11 U*	*9.5 UJ*	*7.6 U*	*7.9 U*	NR	*5 U*	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*5.4 U*	*4.8 UJ*	*3.8 U*	*3.9 U*	NR	*5 U*	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	11 U	9.5 UJ	7.6 U	7.9 U	NR	5 U	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	11 U	9.5 UJ	7.6 U	7.9 U	NR	5 U	NR
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	*21 U*	19 UJ	15 U	16 U	NR	5 U	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*1.1 U*	*0.95 U*	*0.76 U*	*0.79 U*	NR	*5 U*	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*5.4 U*	*4.8 UJ*	*7.6 U*	*7.9 U*	NR	*5 U*	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*0.54 U*	*0.48 U*	*0.38 U*	*0.39 U*	NR	*5 U*	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*5.4 U*	*4.8 U*	*7.6 U*	*7.9 U*	NR	*5 U*	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*2.1 U*	*1.9 U*	*1.5 U*	*1.6 U*	NR	*5 U*	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	5.4 UJ	4.8 UJ	3.8 U	3.9 U	NR	5 U	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	0.54 U	0.48 U	0.38 U	0.39 U	NR	5 U	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	2.1 U	1.9 UJ	1.5 U	1.6 U	NR	5 U	NR
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*11 U*	*9.5 U*	*15 U*	*16 U*	NR	*10 U*	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	5.4 U	4.8 U	3.8 U	3.9 U	NR	5 U	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	11 U	9.5 UJ	7.6 U	7.9 U	NR	5 U	NR
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 U	9.5 U	30 U	31 U	NR	10 U	NR
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*11 U*	*9.5 UJ*	*7.6 U*	*7.9 U*	NR	5 U	NR
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.1 UJ	1.9 UJ	1.5 U	1.6 U	NR	5 U	NR
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*5.4 U*	*4.8 U*	*3.8 U*	*3.9 U*	NR	R	NR
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	*21 U*	*19 U*	*30 U*	*31 U*	NR	*20 U*	NR
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*5.4 U*	*4.8 U*	*7.6 U*	*7.9 U*	NR	*5 U*	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	11 U	9.5 U	7.6 U	7.9 U	NR	5 U	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*21 U*	*19 UJ*	*15 U*	*16 U*	NR	*5 U*	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*11 U*	*9.5 U*	*7.6 U*	*7.9 U*	NR	*10 U*	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*5.4 U*	*4.8 U*	*3.8 U*	*3.9 U*	NR	*5 U*	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	11 U	9.5 UJ	7.6 U	7.9 U	NR	5 U	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*11 U*	*9.5 U*	*7.6 U*	*7.9 U*	NR	*5 U*	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.4 U	4.8 U	3.8 U	3.9 U	NR	5 U	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*11 U*	*9.5 UJ*	*7.6 U*	*7.9 U*	NR	*5 U*	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	21 U	19 UJ	15 U	16 U	NR	5 U	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	21 UJ	19 U	30 U	31 U	NR	10 U	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	5.4 U	4.8 U	7.6 U	7.9 U	NR	5 U	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*5.4 U*	*4.8 U*	*30 U*	*31 U*	NR	*5 U*	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	1.1 U	0.95 U	0.76 U	0.79 U	NR	5 U	NR
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	1.1 U	0.95 U	0.76 U	0.79 U	NR	5 U	NR
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	5.4 U	4.8 U	3.8 U	3.9 U	NR	1 U	NR
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*21 U*	*19 U*	*15 U*	*16 U*	NR	*5 UJ*	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*1.1 U*	*0.95 U*	*0.76 U*	*0.79 U*	NR	*5 U*	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*5.4 U*	*4.8 U*	*7.6 U*	*7.9 U*	NR	*5 U*	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*0.21 U*	*0.19 U*	*0.15 U*	*0.16 U*	NR	*5 U*	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R
										Sample Date	**2/14/2013**	**8/20/2013**	**3/3/2014**	**8/18/2014**	**5/18/2015**	**5/18/2015**	**5/18/2015**
										Lab Sample ID	**510-88983-3**	**500-61539-5**	**500-72496-1**	**500-82576-4**	**1505963-05A**	**1505963-05B**	**1505963-05C**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*0.21 U*	*0.19 U*	*0.15 U*	*0.16 U*	NR	*5 U*	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*0.21 U*	*0.19 U*	*0.15 U*	*0.16 U*	NR	*5 U*	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	1.1 U	0.95 U	0.76 U	0.79 U	NR	5 U	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.21 U	0.19 U	0.15 U	0.16 U	NR	*5 U*	NR
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	*21 U*	*19 UJ*	*15 U*	*16 U*	NR	5 U	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	2.1 U	1.9 U	1.5 U	1.6 U	NR	5 U	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	2.1 U	1.9 U	1.5 U	1.6 U	NR	5 U	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*2.1 U*	*1.9 U*	*1.5 U*	*1.6 U*	NR	*5 U*	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*11 U*	*9.5 U*	*7.6 U*	*7.9 U*	NR	*5 U*	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	2.1 U	1.9 U	1.5 U	1.6 U	NR	5 U	NR
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.4 U	4.8 U	3.8 U	3.9 U	NR	5 U	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*5.4 U*	*4.8 U*	*7.6 U*	*7.9 U*	NR	*5 U*	NR
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.54 U	0.48 U	0.38 U	0.39 U	NR	*5 U*	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*5.4 U*	*4.8 U*	*7.6 U*	*7.9 U*	NR	*5 U*	NR
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*0.32 U*	*0.29 U*	*0.23 U*	*0.24 U*	NR	*5 U*	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	2.1 U	1.9 U	1.5 U	1.6 U	NR	5 UJ	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	2.1 U	1.9 U	1.5 U	1.6 U	NR	5 U	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	2.1 U	1.9 U	1.5 U	1.6 U	NR	5 U	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	5.4 U	4.8 U	3.8 U	3.9 U	NR	5.9 J	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	11 U	9.5 U	7.6 U	7.9 U	NR	5 U	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	5.4 U	4.8 U	7.6 U	7.9 U	NR	5 U	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.4 U	4.8 U	15 U	16 U	NR	5 U	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	1.1 U	0.95 U	0.76 U	0.79 U	NR	*5 UJ*	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	1.1 U	0.95 U	0.76 U	0.79 U	NR	*5 UJ*	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*0.54 U*	*0.48 U*	*0.38 U*	*0.39 U*	NR	*5 U*	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*5.4 U*	*4.8 U*	*3.8 U*	*3.9 U*	NR	*5 U*	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*21 U*	*19 UJ*	*15 U*	*16 UJ*	NR	*5 U*	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*5.4 U*	*4.8 U*	*3.8 U*	*3.9 U*	NR	*5 U*	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*110 UJ*	*95 U*	*61 U*	*63 U*	NR	*60 UX*	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	21 U	19 U	15 U	16 U	NR	10 U	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*0.21 U*	*0.19 U*	*0.15 U*	*0.16 U*	NR	*5 U*	NR
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	2.1 U	1.9 U	1.5 U	1.6 U	NR	5 U	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.4 U	4.8 U	7.6 U	7.9 U	NR	10 U	NR
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*5.4 U*	*4.8 U*	*3.8 U*	*3.9 U*	NR	*5 U*	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	43 U	38 U	30 U	31 U	NR	10 U	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*5.4 U*	*4.8 U*	*30 U*	*31 U*	NR	*10 U*	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*1.1 U*	*0.95 U*	*0.76 U*	*0.79 U*	NR	*5 U*	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*1.1 U*	*0.95 U*	*0.76 U*	*0.79 U*	NR	*5 U*	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*5.4 U*	*4.8 U*	*15 U*	*16 U*	NR	*5 U*	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*11 UJ*	*9.5 U*	*7.6 U*	*7.9 U*	NR	*5 U*	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*5.4 U*	*4.8 U*	*7.6 U*	*7.9 U*	NR	*5 U*	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*0.54 U*	*0.48 U*	*0.38 U*	*0.39 U*	NR	*5 U*	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	1.1 U	0.95 U	0.76 U	0.79 U	NR	5 U	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*5.4 U*	*4.8 UJ*	*15 U*	*16 U*	NR	*5 U*	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*5.4 U*	*4.8 U*	*15 U*	*16 U*	NR	*5 U*	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.4 U	4.8 U	7.6 U	7.9 U	NR	5 U	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*5.4 U*	*4.8 U*	*7.6 U*	*7.9 U*	NR	*5 U*	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5.4 U	4.8 U	30 U	31 U	NR	10 U	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*5.4 U*	*4.8 U*	*7.6 U*	*7.9 U*	NR	*5 U*	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*5.4 U*	*4.8 U*	*7.6 U*	*7.9 U*	NR	*20 U*	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*5.4 U*	*4.8 U*	*7.6 U*	*7.9 U*	NR	*10 U*	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*21 UJ*	*19 UJ*	*15 U*	*16 U*	NR	*5 U*	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R
										Sample Date	**2/14/2013**	**8/20/2013**	**3/3/2014**	**8/18/2014**	**5/18/2015**	**5/18/2015**	**5/18/2015**
										Lab Sample ID	**510-88983-3**	**500-61539-5**	**500-72496-1**	**500-82576-4**	**1505963-05A**	**1505963-05B**	**1505963-05C**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	5.4 U	4.8 U	7.6 U	7.9 U	NR	5 U	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	*1.1 U*	*0.95 U*	0.76 U	0.79 U	NR	*5 UJ*	NR
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	5.4 U	4.8 UJ	3.8 U	3.9 U	NR	5 U	NR
Pronamide	23950-59-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	11 U	9.5 U	7.6 U	7.9 U	NR	5 U	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*1.1 U*	*0.95 U*	*0.76 U*	*0.79 U*	NR	*5 U*	NR
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	*21 U*	19 UJ	15 U	16 U	NR	10 U	NR
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	*11 U*	*9.5 U*	*30 U*	*31 U*	NR	*5 U*	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*5.4 U*	*4.8 U*	*7.6 U*	*7.9 U*	NR	*10 U*	NR
General Chemistry																	
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*10 U*	*10 U*	*10 U*	*10 UJ*	NR	NR	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	NR
Total Metals																	
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	**9.7**	**13**	*10 U*	**15 J**	NR	NR	**13**
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	20 J	21	23 J	38	NR	NR	29
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	1 U	2 U	2 U	2 U	NR	NR	2 U
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	1.5 U	10 U	10 U	10 U	NR	NR	5 UJ
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	0.5 U	5 U	5 U	5 U	NR	NR	5 U
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	**23**	**19**	**24**	**28**	NR	NR	**23**
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	0.2 U	0.2 U	0.2 U	0.2 U	NR	NR	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	1 U	*10 UJ*	*10 U*	*10 U*	NR	NR	*5 U*
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	*2 U*	*5 U*	*5 U*	*5 U*	NR	NR	*5 U*
Polychlorinated Biphenyls (PCBs)																	
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	*0.53 U*	*0.4 U*	*0.4 UJ*	*0.38 U*	NR	0.2 U	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	*0.53 U*	*0.4 U*	*0.4 U*	*0.38 U*	NR	*0.2 U*	NR
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	*0.53 U*	*0.4 U*	*0.4 U*	*0.38 U*	NR	*0.2 U*	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	*0.53 U*	*0.4 U*	*0.4 U*	*0.38 U*	NR	*0.2 U*	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	*0.53 U*	*0.4 U*	*0.4 U*	*0.38 U*	NR	*0.2 U*	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	*0.53 U*	*0.4 U*	*0.4 U*	*0.38 U*	NR	*0.2 U*	NR
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	*0.53 U*	*0.4 UJ*	*0.4 U*	*0.38 U*	NR	*0.2 U*	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	*0.53 U*	0.4 UJ	0.4 U	0.38 U	NR	0.2 U	NR
Volatile Organic Compounds (VOCs)																	
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	NR	NR
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*2 U*	*2 U*	*2 U*	*2 U*	*1 U*	NR	NR
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	NR	NR
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	NR	NR
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*1 U*	NR	NR
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	1 U	NR	NR
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	10 U	NR	NR
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 U	20 U	20 U	20 U	1 U	NR	NR
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 U*	*100 U*	*100 U*	*100 U*	*10 U*	NR	NR
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 U*	*20 U*	*20 U*	*20 U*	*1 U*	NR	NR
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R
										Sample Date	**2/14/2013**	**8/20/2013**	**3/3/2014**	**8/18/2014**	**5/18/2015**	**5/18/2015**	**5/18/2015**
										Lab Sample ID	**510-88983-3**	**500-61539-5**	**500-72496-1**	**500-82576-4**	**1505963-05A**	**1505963-05B**	**1505963-05C**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	1 U	NR	NR
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	2.5 U	1 U	NR	NR
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	0.5 U	0.5 U	0.5 U	0.5 U	1 U	NR	NR
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	2.5 U	1 U	NR	NR
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	100 U	100 U	100 U	100 U	1 U	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	1 U	NR	NR
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	2.5 U	1 U	NR	NR
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 U*	*10 U*	*10 U*	*10 U*	*1 U*	NR	NR
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	20 U	20 U	20 U	10 U	NR	NR
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	0.5 U	0.5 U	0.5 U	0.5 U	1 U	NR	NR
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*10 U*	*10 U*	*10 U*	*10 U*	*2 U*	NR	NR
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR	NR
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	2 U	2 U	2 U	2 U	1 U	NR	NR
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR	NR
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	3 U	NR	NR

Table 2B
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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW02R	CAMU-MW02R
										Sample Date	5/18/2015	5/18/2015	5/18/2015	5/18/2015	5/18/2015	2/13/2013	8/19/2013
										Lab Sample ID	1505963-05D	1505963-06A	1505963-06B	1505963-06C	1505963-06D	510-88979-1	500-61420-1
										Sample Type	TRG	FD	FD	FD	FD	TRG	TRG
Semi-Volatile Organic Compounds (SVOCs)																	
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	NR	NR	*10 U*	NR	NR	*5.4 U*	*4.7 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*2.2 U*	*1.9 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	2.2 U	1.9 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	NR	NR	10 U	NR	NR	5.4 U	4.7 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	2.2 U	1.9 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*2.2 U*	*1.9 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*22 UJ*	*19 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	11 U	9.5 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	10 U	NR	NR	11 U	9.5 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	5.4 U	4.7 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*11 U*	*9.5 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*5.4 U*	*4.7 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	11 U	9.5 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	11 U	9.5 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	*22 U*	19 UJ
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*1.1 U*	*0.95 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*5.4 U*	*4.7 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*0.54 U*	*0.47 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*5.4 U*	*4.7 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*2.2 U*	*1.9 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	5.4 U	4.7 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	0.54 U	0.47 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	2.2 U	1.9 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	NR	NR	*10 U*	NR	NR	*11 U*	*9.5 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	5.4 U	4.7 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	11 U	9.5 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	10 U	NR	NR	11 U	9.5 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	*11 U*	*9.5 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	2.2 UJ	1.9 U
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	NR	NR	R	NR	NR	*5.4 U*	*4.7 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	NR	NR	*20 U*	NR	NR	*22 U*	*19 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*5.4 U*	*4.7 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	11 U	9.5 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*22 U*	*19 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	NR	NR	*10 U*	NR	NR	*11 U*	*9.5 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*5.4 U*	*4.7 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	11 U	9.5 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*11 U*	*9.5 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	5.4 U	4.7 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*11 U*	*9.5 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	22 U	19 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	10 U	NR	NR	22 UJ	19 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	5.4 U	4.7 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*5.4 U*	*4.7 U*
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	1.1 U	0.95 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	1.1 U	0.95 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	NR	NR	1 U	NR	NR	5.4 U	4.7 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	NR	NR	*5 UJ*	NR	NR	*22 U*	*19 UJ*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*1.1 U*	*0.95 U*
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*5.4 U*	*4.7 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*0.22 U*	*0.19 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW02R	CAMU-MW02R
										Sample Date	5/18/2015	5/18/2015	5/18/2015	5/18/2015	5/18/2015	2/13/2013	8/19/2013
										Lab Sample ID	1505963-05D	1505963-06A	1505963-06B	1505963-06C	1505963-06D	510-88979-1	500-61420-1
										Sample Type	TRG	FD	FD	FD	FD	TRG	TRG
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*0.22 U*	*0.19 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*0.22 U*	*0.19 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	1.1 U	0.95 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	0.22 U	0.19 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	*22 U*	*19 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	2.2 U	1.9 U
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	2.2 U	1.9 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*2.2 U*	*1.9 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*11 U*	*9.5 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	2.2 U	1.9 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	5.4 U	4.7 U
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*5.4 U*	*4.7 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	0.54 U	0.47 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*5.4 U*	*4.7 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*0.32 U*	*0.28 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	NR	NR	5 UJ	NR	NR	2.2 U	1.9 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	2.2 U	1.9 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	2.2 U	1.9 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	NR	NR	4.3 J	NR	NR	5.4 U	4.7 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	11 U	9.5 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	5.4 U	4.7 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	5.4 U	4.7 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	NR	NR	*5 UJ*	NR	NR	1.1 U	0.95 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	NR	NR	*5 UJ*	NR	NR	1.1 U	0.95 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*0.54 U*	*0.47 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*5.4 U*	*4.7 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*22 U*	*19 U*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*5.4 U*	*4.7 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	NR	NR	*60 UX*	NR	NR	*110 UJ*	*95 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	10 U	NR	NR	22 U	19 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*0.22 U*	*0.19 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	2.2 U	1.9 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	10 U	NR	NR	5.4 U	4.7 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*5.4 U*	*4.7 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	10 U	NR	NR	43 U	38 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	NR	NR	*10 U*	NR	NR	*5.4 U*	*4.7 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*1.1 U*	*0.95 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*1.1 U*	*0.95 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*5.4 U*	*4.7 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*11 UJ*	*9.5 UJ*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*5.4 U*	*4.7 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*0.54 U*	*0.47 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	1.1 U	0.95 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*5.4 U*	*4.7 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*5.4 U*	*4.7 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	5.4 U	4.7 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*5.4 U*	*4.7 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	10 U	NR	NR	5.4 U	4.7 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*5.4 U*	*4.7 U*
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	NR	NR	*20 U*	NR	NR	*5.4 U*	*4.7 U*
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	NR	NR	*10 U*	NR	NR	*5.4 U*	*4.7 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*22 UJ*	*19 U*

Table 2B
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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW02R	CAMU-MW02R
										Sample Date	**5/18/2015**	**5/18/2015**	**5/18/2015**	**5/18/2015**	**5/18/2015**	**2/13/2013**	**8/19/2013**
										Lab Sample ID	**1505963-05D**	**1505963-06A**	**1505963-06B**	**1505963-06C**	**1505963-06D**	**510-88979-1**	**500-61420-1**
										Sample Type	**TRG**	**FD**	**FD**	**FD**	**FD**	**TRG**	**TRG**
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	5.4 U	4.7 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	NR	NR	*5 UJ*	NR	NR	*1.1 U*	*0.95 U*
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	5.4 U	4.7 U
Pronamide	23950-59-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	NR	NR	5 U	NR	NR	11 U	9.5 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*1.1 U*	*0.95 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	NR	NR	10 U	NR	NR	*22 U*	19 UJ
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	NR	NR	*5 U*	NR	NR	*11 U*	*9.5 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	NR	NR	*10 U*	NR	NR	*5.4 U*	*4.7 U*
General Chemistry																	
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*5 UJ*	NR	NR	NR	*5 UJ*	*10 UJ*	*10 U*
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*5 U*	NR	NR	NR	*5 U*	NR	NR
Total Metals																	
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	NR	NR	NR	**12**	NR	**2.3**	*10 U*
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	NR	NR	NR	28	NR	41	24
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	NR	NR	NR	2 U	NR	1 U	2 U
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	NR	NR	NR	0.2 J	NR	1.5 U	10 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	NR	NR	NR	5 U	NR	0.5 U	5 UJ
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	NR	NR	NR	**22**	NR	*15 U*	10 U
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	NR	NR	NR	0.2 U	NR	0.2 U	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	NR	NR	NR	*5 U*	NR	1 U	*10 UJ*
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	NR	NR	NR	*5 U*	NR	*2 U*	*5 U*
Polychlorinated Biphenyls (PCBs)																	
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	NR	NR	0.2 U	NR	NR	*0.5 U*	*0.38 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	NR	NR	*0.2 U*	NR	NR	*0.5 U*	*0.38 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	NR	NR	*0.2 U*	NR	NR	*0.5 U*	*0.38 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	NR	NR	*0.2 U*	NR	NR	*0.5 U*	*0.38 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	NR	NR	*0.2 U*	NR	NR	*0.5 U*	*0.38 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	NR	NR	*0.2 U*	NR	NR	*0.5 U*	*0.38 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	NR	NR	*0.2 U*	NR	NR	*0.5 U*	*0.38 UJ*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	NR	NR	0.2 U	NR	NR	0.5 U	0.38 U
Volatile Organic Compounds (VOCs)																	
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	NR	*1 U*	NR	NR	NR	*1 U*	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	NR	*1 U*	NR	NR	NR	*1 U*	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	NR	*1 U*	NR	NR	NR	*1 U*	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	1 U	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	1 U	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	NR	*1 UJ*	NR	NR	NR	*1 U*	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	NR	*1 U*	NR	NR	NR	*2 U*	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	NR	*1 U*	NR	NR	NR	*1 U*	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	NR	*1 U*	NR	NR	NR	*1 U*	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	NR	*1 U*	NR	NR	NR	*1 U*	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	5 U	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	NR	*1 U*	NR	NR	NR	*1 U*	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	5 U	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	NR	*1 U*	NR	NR	NR	*2.5 U*	*2.5 U*
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	5 U	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	NR	10 U	NR	NR	NR	5 U	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	20 U	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR	NR	*100 U*	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	NR	*1 U*	NR	NR	NR	*20 U*	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	NR	*1 U*	NR	NR	NR	*0.5 U*	*0.5 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW01R	CAMU-MW02R	CAMU-MW02R
										Sample Date	5/18/2015	5/18/2015	5/18/2015	5/18/2015	5/18/2015	2/13/2013	8/19/2013
										Lab Sample ID	1505963-05D	1505963-06A	1505963-06B	1505963-06C	1505963-06D	510-88979-1	500-61420-1
										Sample Type	TRG	FD	FD	FD	FD	TRG	TRG
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	NR	*1 U*	NR	NR	NR	*1 U*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	1 U	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	1 U	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	5 U	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	NR	*1 U*	NR	NR	NR	*1 U*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	1 U	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	1 U	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	NR	*1 U*	NR	NR	NR	*1 U*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	1 U	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	NR	*1 U*	NR	NR	NR	*1 U*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	1 U	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	2.5 U	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	0.5 U	0.5 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	2.5 U	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	100 U	100 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	*2.5 U*	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	2.5 U	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	5 U	5 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	NR	*1 U*	NR	NR	NR	*10 U*	*10 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	NR	20 U	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	1 U	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	1 U	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	0.5 U	0.5 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	1 U	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	NR	*2 U*	NR	NR	NR	*10 U*	*10 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	NR	*1 U*	NR	NR	NR	*0.5 U*	*0.5 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	1 U	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	2 U	2 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	NR	*1 U*	NR	NR	NR	*0.5 U*	*0.5 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	NR	3 U	NR	NR	NR	1 U	1 U

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW04	CAMU-MW04
										Sample Date	**3/4/2014**	**8/18/2014**	**5/18/2015**	**5/18/2015**	**5/18/2015**	**5/18/2015**	**2/13/2013**	**8/19/2013**
										Lab Sample ID	**500-72568-1**	**500-82576-12**	**1505963-12A**	**1505963-12B**	**1505963-12C**	**1505963-12D**	**510-88979-2**	**500-61420-2**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
Semi-Volatile Organic Compounds (SVOCs)																		
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*3.9 U*	*3.8 U*	NR	*10 U*	NR	NR	*5.2 U*	*4.7 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*1.5 U*	*1.5 U*	NR	*5 U*	NR	NR	*2.1 U*	*1.9 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	1.5 U	1.5 U	NR	5 U	NR	NR	2.1 U	1.9 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	7.7 U	7.6 U	NR	10 U	NR	NR	5.2 U	4.7 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	1.5 U	1.5 U	NR	5 U	NR	NR	2.1 U	1.9 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*1.5 U*	*1.5 U*	NR	*5 U*	NR	NR	*2.1 U*	*1.9 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*15 U*	*15 U*	NR	*5 U*	NR	NR	*21 UJ*	*19 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	31 U	31 U	NR	5 U	NR	NR	10 U	9.5 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	15 U	15 U	NR	10 U	NR	NR	10 U	9.5 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	3.9 U	3.8 U	NR	5 U	NR	NR	5.2 U	4.7 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*7.7 U*	*7.6 U*	NR	*5 U*	NR	NR	*10 U*	*9.5 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*3.9 U*	*3.8 U*	NR	*5 U*	NR	NR	*5.2 U*	*4.7 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	7.7 U	7.6 U	NR	5 U	NR	NR	10 U	9.5 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	7.7 U	7.6 U	NR	5 U	NR	NR	10 U	9.5 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	15 U	15 U	NR	5 U	NR	NR	*21 U*	19 UJ
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*0.77 U*	*0.76 U*	NR	*5 U*	NR	NR	*1 U*	*0.95 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*7.7 U*	*7.6 U*	NR	*5 U*	NR	NR	*5.2 U*	*4.7 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*0.39 U*	*0.38 U*	NR	*5 U*	NR	NR	*0.52 U*	*0.47 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*7.7 U*	*7.6 U*	NR	*5 U*	NR	NR	*5.2 U*	*4.7 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*1.5 U*	*1.5 U*	NR	*5 U*	NR	NR	*2.1 U*	*1.9 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	3.9 U	3.8 U	NR	5 U	NR	NR	5.2 U	4.7 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	0.39 U	0.38 U	NR	5 U	NR	NR	0.52 U	0.47 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	1.5 U	1.5 U	NR	5 U	NR	NR	2.1 U	1.9 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*15 U*	*15 U*	NR	*10 U*	NR	NR	*10 U*	*9.5 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	3.9 U	3.8 U	NR	5 U	NR	NR	5.2 U	4.7 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	7.7 U	7.6 U	NR	5 U	NR	NR	10 U	9.5 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	31 U	31 U	NR	10 U	NR	NR	10 U	9.5 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*7.7 U*	*7.6 U*	NR	5 U	NR	NR	*10 U*	*9.5 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	1.5 U	1.5 U	NR	5 U	NR	NR	2.1 UJ	1.9 U
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*3.9 UJ*	*3.8 U*	NR	R	NR	NR	*5.2 U*	*4.7 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	*31 U*	*31 U*	NR	*20 U*	NR	NR	*21 U*	*19 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*7.7 U*	*7.6 U*	NR	*5 U*	NR	NR	*5.2 U*	*4.7 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	7.7 U	7.6 U	NR	5 U	NR	NR	10 U	9.5 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*15 U*	*15 U*	NR	*5 U*	NR	NR	*21 U*	*19 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*7.7 U*	*7.6 U*	NR	*10 U*	NR	NR	*10 U*	*9.5 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*3.9 U*	*3.8 U*	NR	*5 U*	NR	NR	*5.2 U*	*4.7 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	7.7 U	7.6 U	NR	5 U	NR	NR	10 U	9.5 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*7.7 U*	*7.6 U*	NR	*5 U*	NR	NR	*10 U*	*9.5 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	3.9 U	3.8 U	NR	5 U	NR	NR	5.2 U	4.7 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*7.7 UJ*	*7.6 U*	NR	*5 U*	NR	NR	*10 U*	*9.5 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	15 U	15 U	NR	5 U	NR	NR	21 U	19 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	31 U	31 U	NR	10 U	NR	NR	21 UJ	19 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	7.7 U	7.6 U	NR	5 U	NR	NR	5.2 U	4.7 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*31 U*	*31 U*	NR	*5 U*	NR	NR	*5.2 U*	*4.7 U*
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	0.77 U	0.76 U	NR	5 U	NR	NR	1 U	0.95 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	0.77 U	0.76 U	NR	5 U	NR	NR	1 U	0.95 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	3.9 U	3.8 U	NR	1 U	NR	NR	5.2 U	4.7 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*15 U*	*15 U*	NR	*5 UJ*	NR	NR	*21 U*	*19 UJ*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*0.77 U*	*0.76 U*	NR	*5 U*	NR	NR	*1 U*	*0.95 U*
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*7.7 U*	*7.6 U*	NR	*5 U*	NR	NR	*5.2 U*	*4.7 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*0.15 U*	*0.15 U*	NR	*5 U*	NR	NR	*0.21 U*	*0.19 U*

Table 2B
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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW04	CAMU-MW04
										Sample Date	3/4/2014	8/18/2014	5/18/2015	5/18/2015	5/18/2015	5/18/2015	2/13/2013	8/19/2013
										Lab Sample ID	500-72568-1	500-82576-12	1505963-12A	1505963-12B	1505963-12C	1505963-12D	510-88979-2	500-61420-2
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*0.15 U*	*0.15 U*	NR	*5 U*	NR	NR	*0.21 U*	*0.19 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*0.15 U*	*0.15 U*	NR	*5 U*	NR	NR	*0.21 U*	*0.19 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	0.77 U	0.76 U	NR	5 U	NR	NR	1 U	0.95 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.15 U	0.15 U	NR	*5 U*	NR	NR	0.21 U	0.19 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	*15 U*	*15 U*	NR	5 U	NR	NR	*21 U*	*19 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	1.5 U	1.5 U	NR	5 U	NR	NR	2.1 U	1.9 U
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	1.5 U	1.5 U	NR	5 U	NR	NR	2.1 U	1.9 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*1.5 U*	*1.5 U*	NR	*5 U*	NR	NR	*2.1 U*	*1.9 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*7.7 U*	*7.6 U*	NR	*5 U*	NR	NR	*10 U*	*9.5 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	1.5 U	1.5 U	NR	5 U	NR	NR	2.1 U	1.9 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	3.9 U	3.8 U	NR	5 U	NR	NR	5.2 U	4.7 U
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*7.7 U*	*7.6 U*	NR	*5 U*	NR	NR	*5.2 U*	*4.7 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.39 U	0.38 U	NR	*5 U*	NR	NR	0.52 U	0.47 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*7.7 U*	*7.6 U*	NR	*5 U*	NR	NR	*5.2 U*	*4.7 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*0.23 U*	*0.23 U*	NR	*5 U*	NR	NR	*0.31 U*	*0.28 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	1.5 U	1.5 U	NR	5 UJ	NR	NR	2.1 U	1.9 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	1.5 U	1.5 U	NR	5 U	NR	NR	2.1 U	1.9 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	1.5 U	1.5 U	NR	5 U	NR	NR	2.1 U	1.9 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	3.9 U	3.8 U	NR	3.2 J	NR	NR	5.2 U	4.7 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	7.7 U	7.6 U	NR	5 U	NR	NR	10 U	9.5 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	7.7 U	7.6 U	NR	5 U	NR	NR	5.2 U	4.7 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	15 U	15 U	NR	5 U	NR	NR	5.2 U	4.7 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	0.77 U	0.76 U	NR	*5 UJ*	NR	NR	1 U	0.95 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	0.77 U	0.76 U	NR	*5 UJ*	NR	NR	1 U	0.95 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*0.39 U*	*0.38 U*	NR	*5 U*	NR	NR	*0.52 U*	*0.47 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*3.9 U*	*3.8 U*	NR	*5 U*	NR	NR	*5.2 U*	*4.7 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*15 U*	*15 UJ*	NR	*5 U*	NR	NR	*21 U*	*19 U*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*3.9 U*	*3.8 U*	NR	*5 U*	NR	NR	*5.2 U*	*4.7 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*62 U*	*61 U*	NR	*60 UX*	NR	NR	*100 UJ*	*95 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	15 U	15 U	NR	10 U	NR	NR	21 U	19 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*0.15 U*	*0.15 U*	NR	*5 U*	NR	NR	*0.21 U*	*0.19 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	1.5 U	1.5 U	NR	5 U	NR	NR	2.1 U	1.9 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	7.7 U	7.6 U	NR	10 U	NR	NR	5.2 U	4.7 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*3.9 U*	*3.8 U*	NR	*5 U*	NR	NR	*5.2 U*	*4.7 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	31 U	31 U	NR	10 U	NR	NR	42 U	38 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*31 U*	*31 U*	NR	*10 U*	NR	NR	*5.2 U*	*4.7 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*0.77 U*	*0.76 U*	NR	*5 U*	NR	NR	*1 U*	*0.95 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*0.77 U*	*0.76 U*	NR	*5 U*	NR	NR	*1 U*	*0.95 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*15 U*	*15 U*	NR	*5 U*	NR	NR	*5.2 U*	*4.7 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*7.7 U*	*7.6 U*	NR	*5 U*	NR	NR	*10 UJ*	*9.5 UJ*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*7.7 U*	*7.6 U*	NR	*5 U*	NR	NR	*5.2 U*	*4.7 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*0.39 U*	*0.38 U*	NR	*5 U*	NR	NR	*0.52 U*	*0.47 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	0.77 U	0.76 U	NR	5 U	NR	NR	1 U	0.95 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*15 U*	*15 U*	NR	*5 U*	NR	NR	*5.2 U*	*4.7 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*15 U*	*15 U*	NR	*5 U*	NR	NR	*5.2 U*	*4.7 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	7.7 U	7.6 U	NR	5 U	NR	NR	5.2 U	4.7 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*7.7 U*	*7.6 U*	NR	*5 U*	NR	NR	*5.2 U*	*4.7 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	31 U	31 U	NR	10 U	NR	NR	5.2 U	4.7 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*7.7 U*	*7.6 U*	NR	*5 U*	NR	NR	*5.2 U*	*4.7 U*
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*7.7 U*	*7.6 U*	NR	*20 U*	NR	NR	*5.2 U*	*4.7 U*
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*7.7 U*	*7.6 U*	NR	*10 U*	NR	NR	*5.2 U*	*4.7 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*15 U*	*15 U*	NR	*5 U*	NR	NR	*21 UJ*	*19 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW04	CAMU-MW04
										Sample Date	**3/4/2014**	**8/18/2014**	**5/18/2015**	**5/18/2015**	**5/18/2015**	**5/18/2015**	**2/13/2013**	**8/19/2013**
										Lab Sample ID	**500-72568-1**	**500-82576-12**	**1505963-12A**	**1505963-12B**	**1505963-12C**	**1505963-12D**	**510-88979-2**	**500-61420-2**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	7.7 U	7.6 U	NR	5 U	NR	NR	5.2 U	4.7 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	0.77 U	0.76 U	NR	*5 UJ*	NR	NR	*1 U*	*0.95 U*
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	3.9 U	3.8 U	NR	5 U	NR	NR	5.2 U	4.7 U
Pronamide	23950-59-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	7.7 U	7.6 U	NR	5 U	NR	NR	10 U	9.5 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*0.77 U*	*0.76 U*	NR	*5 U*	NR	NR	*1 U*	*0.95 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	15 U	15 U	NR	10 U	NR	NR	*21 U*	19 UJ
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	*31 U*	*31 U*	NR	*5 U*	NR	NR	*10 U*	*9.5 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*7.7 U*	*7.6 U*	NR	*10 U*	NR	NR	*5.2 U*	*4.7 U*
General Chemistry																		
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*10 U*	*10 UJ*	NR	NR	NR	*5 UJ*	*10 UJ*	*10 U*
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	*5 U*	NR	NR
Total Metals																		
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	*10 U*	*10 U*	NR	NR	**1.3 J**	NR	*2 U*	*10 U*
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	30	31	NR	NR	25	NR	59	56
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	2 U	2 U	NR	NR	2 U	NR	1 U	2 U
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	10 U	10 U	NR	NR	5 U	NR	1.5 U	10 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	5 U	5 U	NR	NR	5 U	NR	0.5 U	5 UJ
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	10 U	10 U	NR	NR	3.5 J	NR	*15 U*	10 U
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	0.2 U	0.2 U	NR	NR	0.2 U	NR	0.2 U	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	*10 U*	*10 U*	NR	NR	*5 U*	NR	1 U	*10 UJ*
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	*5 U*	*5 U*	NR	NR	*5 U*	NR	*2 U*	*5 U*
Polychlorinated Biphenyls (PCBs)																		
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	*0.4 UJ*	*0.38 U*	NR	0.2 U	NR	NR	*0.53 U*	*0.38 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	*0.4 U*	*0.38 U*	NR	*0.2 U*	NR	NR	*0.53 U*	*0.38 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	*0.4 U*	*0.38 U*	NR	*0.2 U*	NR	NR	*0.53 U*	*0.38 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	*0.4 U*	*0.38 U*	NR	*0.2 U*	NR	NR	*0.53 U*	*0.38 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	*0.4 U*	*0.38 U*	NR	*0.2 U*	NR	NR	*0.53 U*	*0.38 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	*0.4 U*	*0.38 U*	NR	*0.2 U*	NR	NR	*0.53 U*	*0.38 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	*0.4 U*	*0.38 U*	NR	*0.2 U*	NR	NR	*0.53 U*	*0.38 UJ*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	0.4 U	0.38 U	NR	0.2 U	NR	NR	*0.53 U*	0.38 U
Volatile Organic Compounds (VOCs)																		
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 UJ*	NR	NR	NR	*1 U*	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*2 U*	*2 U*	*1 U*	NR	NR	NR	*2 U*	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U	5 U	5 U	NR	NR	NR	5 U	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U	5 U	5 U	NR	NR	NR	5 U	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	*1 U*	NR	NR	NR	*2.5 U*	*2.5 U*
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 U	5 U	1 U	NR	NR	NR	5 U	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	5 U	5 U	10 U	NR	NR	NR	5 U	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 U	20 U	1 U	NR	NR	NR	20 U	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 U*	*100 U*	*10 U*	NR	NR	NR	*100 U*	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 U*	*20 U*	*1 U*	NR	NR	NR	*20 U*	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR	*0.5 U*	*0.5 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW02R	CAMU-MW04	CAMU-MW04
										Sample Date	**3/4/2014**	**8/18/2014**	**5/18/2015**	**5/18/2015**	**5/18/2015**	**5/18/2015**	**2/13/2013**	**8/19/2013**
										Lab Sample ID	**500-72568-1**	**500-82576-12**	**1505963-12A**	**1505963-12B**	**1505963-12C**	**1505963-12D**	**510-88979-2**	**500-61420-2**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 U	5 U	1 U	NR	NR	NR	5 U	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 U	2.5 U	1 U	NR	NR	NR	2.5 U	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	0.5 U	0.5 U	1 U	NR	NR	NR	0.5 U	0.5 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 U	2.5 U	1 U	NR	NR	NR	2.5 U	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	100 U	100 U	1 U	NR	NR	NR	100 U	100 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	1 U	NR	NR	NR	*2.5 U*	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 U	2.5 U	1 U	NR	NR	NR	2.5 U	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	5 U	5 U	5 U	NR	NR	NR	5 U	5 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 U*	*10 U*	*1 U*	NR	NR	NR	*10 U*	*10 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	20 U	10 U	NR	NR	NR	20 U	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	0.5 U	0.5 U	1 U	NR	NR	NR	0.5 U	0.5 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*10 U*	*10 U*	*2 U*	NR	NR	NR	*10 U*	*10 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR	*0.5 U*	*0.5 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	2 U	2 U	1 U	NR	NR	NR	2 U	2 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR	*0.5 U*	*0.5 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	1 U	1 U	3 U	NR	NR	NR	1 U	1 U

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW05	CAMU-MW05
										Sample Date	3/3/2014	8/18/2014	5/19/2015	5/19/2015	5/19/2015	5/19/2015	2/15/2013	8/20/2013
										Lab Sample ID	500-72537-1	500-82576-13	1505963-15A	1505963-15B	1505963-15C	1505963-15D	510-89011-1	500-61499-4
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
Semi-Volatile Organic Compounds (SVOCs)																		
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*3.9 U*	*4 U*	NR	*10 U*	NR	NR	*6.4 U*	*4.8 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*1.5 U*	*1.6 U*	NR	*5 U*	NR	NR	*2.5 U*	*1.9 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	5 U	NR	NR	2.5 U	1.9 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	7.7 U	7.9 U	NR	10 U	NR	NR	6.4 U	4.8 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	5 U	NR	NR	2.5 U	1.9 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*1.5 U*	*1.6 U*	NR	*5 U*	NR	NR	*2.5 U*	*1.9 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*15 U*	*16 U*	NR	*5 U*	NR	NR	*25 U*	*19 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	31 U	32 U	NR	5 U	NR	NR	13 U	9.5 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	15 U	16 U	NR	10 U	NR	NR	13 U	9.5 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	3.9 U	4 U	NR	5 U	NR	NR	6.4 U	4.8 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*7.7 U*	*7.9 U*	NR	*5 U*	NR	NR	*13 U*	*9.5 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*3.9 U*	*4 U*	NR	*5 U*	NR	NR	*6.4 U*	*4.8 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	7.7 U	7.9 U	NR	5 U	NR	NR	13 U	9.5 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	7.7 U	7.9 U	NR	5 U	NR	NR	13 U	9.5 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	15 U	16 U	NR	5 U	NR	NR	*25 U*	19 UJ
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*0.77 U*	*0.79 U*	NR	*5 U*	NR	NR	*1.3 U*	*0.95 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*7.7 U*	*7.9 U*	NR	*5 U*	NR	NR	*6.4 U*	*4.8 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*0.39 U*	*0.4 U*	NR	*5 U*	NR	NR	*0.64 U*	*0.48 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*7.7 U*	*7.9 U*	NR	*5 U*	NR	NR	*6.4 U*	*4.8 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*1.5 U*	*1.6 U*	NR	*5 U*	NR	NR	*2.5 U*	*1.9 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	3.9 U	4 U	NR	5 U	NR	NR	6.4 U	4.8 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	0.39 U	0.4 U	NR	5 U	NR	NR	0.64 U	0.48 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	5 U	NR	NR	2.5 U	1.9 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*15 U*	*16 U*	NR	*10 U*	NR	NR	*13 U*	*9.5 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	3.9 U	4 U	NR	5 U	NR	NR	6.4 U	4.8 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	7.7 U	7.9 U	NR	5 U	NR	NR	13 U	9.5 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	31 U	32 U	NR	10 U	NR	NR	13 U	9.5 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*7.7 U*	*7.9 U*	NR	5 U	NR	NR	*13 U*	*9.5 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	5 U	NR	NR	2.5 U	1.9 U
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*3.9 U*	*4 U*	NR	R	NR	NR	*6.4 U*	*4.8 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	*31 U*	*32 U*	NR	*20 U*	NR	NR	*25 U*	*19 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*7.7 U*	*7.9 U*	NR	*5 U*	NR	NR	*6.4 U*	*4.8 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	7.7 U	7.9 U	NR	5 U	NR	NR	13 U	9.5 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*15 U*	*16 U*	NR	*5 U*	NR	NR	*25 U*	*19 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*7.7 U*	*7.9 U*	NR	*10 U*	NR	NR	*13 U*	*9.5 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*3.9 U*	*4 U*	NR	*5 U*	NR	NR	*6.4 U*	*4.8 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	7.7 U	7.9 U	NR	5 U	NR	NR	13 U	9.5 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*7.7 U*	*7.9 U*	NR	*5 U*	NR	NR	*13 U*	*9.5 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	3.9 U	4 U	NR	5 U	NR	NR	6.4 U	4.8 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*7.7 U*	*7.9 U*	NR	*5 U*	NR	NR	*13 U*	*9.5 UJ*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	15 U	16 U	NR	5 U	NR	NR	25 U	19 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	31 U	32 U	NR	10 U	NR	NR	25 U	19 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	7.7 U	7.9 U	NR	5 U	NR	NR	6.4 U	4.8 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*31 U*	*32 U*	NR	*5 U*	NR	NR	*6.4 U*	*4.8 U*
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	0.77 U	0.79 U	NR	5 U	NR	NR	1.3 U	0.95 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	0.77 U	0.79 U	NR	5 U	NR	NR	1.3 U	0.95 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	3.9 U	4 U	NR	1 U	NR	NR	6.4 U	4.8 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*15 U*	*16 U*	NR	*5 UJ*	NR	NR	*25 U*	*19 U*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*0.77 U*	*0.79 U*	NR	*5 U*	NR	NR	*1.3 U*	*0.95 U*
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*7.7 U*	*7.9 U*	NR	*5 U*	NR	NR	*6.4 U*	*4.8 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*0.15 U*	*0.16 U*	NR	*5 U*	NR	NR	*0.25 U*	*0.19 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW05	CAMU-MW05
										Sample Date	3/3/2014	8/18/2014	5/19/2015	5/19/2015	5/19/2015	5/19/2015	2/15/2013	8/20/2013
										Lab Sample ID	500-72537-1	500-82576-13	1505963-15A	1505963-15B	1505963-15C	1505963-15D	510-89011-1	500-61499-4
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*0.15 U*	*0.16 U*	NR	*5 U*	NR	NR	*0.25 U*	*0.19 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*0.15 U*	*0.16 U*	NR	*5 U*	NR	NR	*0.25 U*	*0.19 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	0.77 U	0.79 U	NR	5 U	NR	NR	1.3 U	0.95 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.15 U	0.16 U	NR	*5 U*	NR	NR	0.25 U	0.19 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	*15 U*	*16 U*	NR	5 U	NR	NR	*25 U*	*19 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	5 U	NR	NR	2.5 U	1.9 U
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	5 U	NR	NR	2.5 U	1.9 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*1.5 U*	*1.6 U*	NR	*5 U*	NR	NR	*2.5 U*	*1.9 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*7.7 U*	*7.9 U*	NR	*5 U*	NR	NR	*13 U*	*9.5 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	5 U	NR	NR	2.5 U	1.9 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	3.9 U	4 U	NR	5 U	NR	NR	6.4 U	4.8 U
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*7.7 U*	*7.9 U*	NR	*5 U*	NR	NR	*6.4 U*	*4.8 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.39 U	0.4 U	NR	*5 U*	NR	NR	0.64 U	0.48 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*7.7 U*	*7.9 U*	NR	*5 U*	NR	NR	*6.4 U*	*4.8 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*0.23 U*	*0.24 U*	NR	*5 U*	NR	NR	*0.38 U*	*0.29 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	5 UJ	NR	NR	2.5 U	1.9 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	5 U	NR	NR	2.5 U	1.9 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	5 U	NR	NR	2.5 U	1.9 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	3.9 U	4 U	NR	5 U	NR	NR	6.4 U	4.8 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	7.7 U	7.9 U	NR	5 U	NR	NR	13 U	9.5 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	7.7 U	7.9 U	NR	5 U	NR	NR	6.4 U	4.8 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	15 U	16 U	NR	5 U	NR	NR	6.4 U	4.8 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	0.77 U	0.79 U	NR	*5 UJ*	NR	NR	1.3 U	0.95 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	0.77 U	0.79 U	NR	*5 UJ*	NR	NR	1.3 U	0.95 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*0.39 U*	*0.4 U*	NR	*5 U*	NR	NR	*0.64 U*	*0.48 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*3.9 U*	*4 U*	NR	*5 U*	NR	NR	*6.4 U*	*4.8 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*15 U*	*16 UJ*	NR	*5 U*	NR	NR	*25 U*	*19 UJ*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*3.9 U*	*4 U*	NR	*5 U*	NR	NR	*6.4 U*	*4.8 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*62 U*	*63 U*	NR	*60 UX*	NR	NR	*130 U*	*95 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	15 U	16 U	NR	10 U	NR	NR	25 U	19 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*0.15 U*	*0.16 U*	NR	*5 U*	NR	NR	*0.25 U*	*0.19 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	5 U	NR	NR	2.5 U	1.9 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	7.7 U	7.9 U	NR	10 U	NR	NR	6.4 U	4.8 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*3.9 U*	*4 U*	NR	*5 U*	NR	NR	*6.4 U*	*4.8 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	31 U	32 U	NR	10 U	NR	NR	51 U	38 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*31 U*	*32 U*	NR	*10 U*	NR	NR	*6.4 U*	*4.8 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*0.77 U*	*0.79 U*	NR	*5 U*	NR	NR	*1.3 U*	*0.95 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*0.77 U*	*0.79 U*	NR	*5 U*	NR	NR	*1.3 U*	*0.95 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*15 U*	*16 U*	NR	*5 U*	NR	NR	*6.4 U*	*4.8 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*7.7 U*	*7.9 U*	NR	*5 U*	NR	NR	*13 U*	*9.5 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*7.7 U*	*7.9 U*	NR	*5 U*	NR	NR	*6.4 U*	*4.8 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*0.39 U*	*0.4 U*	NR	*5 U*	NR	NR	*0.64 U*	*0.48 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	0.77 U	0.79 U	NR	5 U	NR	NR	1.3 U	0.95 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*15 U*	*16 U*	NR	*5 U*	NR	NR	*6.4 U*	*4.8 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*15 U*	*16 U*	NR	*5 U*	NR	NR	*6.4 U*	*4.8 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	7.7 U	7.9 U	NR	5 U	NR	NR	6.4 U	4.8 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*7.7 U*	*7.9 U*	NR	*5 U*	NR	NR	*6.4 U*	*4.8 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	31 U	32 U	NR	10 U	NR	NR	6.4 U	4.8 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*7.7 U*	*7.9 U*	NR	*5 U*	NR	NR	*6.4 U*	*4.8 U*
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*7.7 U*	*7.9 U*	NR	*20 U*	NR	NR	*6.4 U*	*4.8 U*
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*7.7 U*	*7.9 U*	NR	*10 U*	NR	NR	*6.4 U*	*4.8 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*15 U*	*16 U*	NR	*5 U*	NR	NR	*25 U*	*19 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW05	CAMU-MW05
										Sample Date	**3/3/2014**	**8/18/2014**	**5/19/2015**	**5/19/2015**	**5/19/2015**	**5/19/2015**	**2/15/2013**	**8/20/2013**
										Lab Sample ID	**500-72537-1**	**500-82576-13**	**1505963-15A**	**1505963-15B**	**1505963-15C**	**1505963-15D**	**510-89011-1**	**500-61499-4**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	7.7 U	7.9 U	NR	5 U	NR	NR	6.4 U	4.8 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	0.77 U	0.79 U	NR	*5 UJ*	NR	NR	*1.3 U*	*0.95 U*
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	3.9 U	4 U	NR	5 U	NR	NR	6.4 U	4.8 U
Pronamide	23950-59-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	7.7 U	7.9 U	NR	5 U	NR	NR	13 U	9.5 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*0.77 U*	*0.79 U*	NR	*5 U*	NR	NR	*1.3 U*	*0.95 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	15 U	16 U	NR	10 U	NR	NR	*25 U*	19 UJ
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	*31 U*	*32 U*	NR	*5 U*	NR	NR	*13 U*	*9.5 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*7.7 U*	*7.9 U*	NR	*10 U*	NR	NR	*6.4 U*	*4.8 U*
General Chemistry																		
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*10 U*	*10 UJ*	NR	NR	NR	*5 U*	*10 U*	*10 U*
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	*5 U*	NR	NR
Total Metals																		
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	*10 U*	*10 U*	NR	NR	*5 U*	NR	*2 U*	*10 U*
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	93	100	NR	NR	54	NR	49	50
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	2 U	2 U	NR	NR	2 U	NR	1 U	2 U
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	10 U	10 U	NR	NR	5 U	NR	1.5 U	10 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	5 U	5 U	NR	NR	5 U	NR	0.5 U	5 U
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	10 U	10 U	NR	NR	5.7 J	NR	*15 UJ*	10 U
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	0.2 U	0.2 U	NR	NR	0.2 U	NR	0.2 U	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	*10 U*	*10 U*	NR	NR	3.3 J	NR	1 U	*10 UJ*
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	*5 U*	*5 U*	NR	NR	*5 U*	NR	*2 UJ*	*5 U*
Polychlorinated Biphenyls (PCBs)																		
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	*0.43 UJ*	*0.4 U*	NR	0.2 U	NR	NR	*0.53 U*	*0.41 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	*0.43 U*	*0.4 U*	NR	*0.2 U*	NR	NR	*0.53 U*	*0.41 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	*0.43 U*	*0.4 U*	NR	*0.2 U*	NR	NR	*0.53 U*	*0.41 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	*0.43 U*	*0.4 U*	NR	*0.2 U*	NR	NR	*0.53 U*	*0.41 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	*0.43 U*	*0.4 U*	NR	*0.2 U*	NR	NR	*0.53 U*	*0.41 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	*0.43 U*	*0.4 U*	NR	*0.2 U*	NR	NR	*0.53 U*	*0.41 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	*0.43 U*	*0.4 U*	NR	*0.2 U*	NR	NR	*0.53 U*	*0.41 UJ*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	0.43 UJ	0.4 U	NR	0.2 U	NR	NR	*0.53 U*	0.41 U
Volatile Organic Compounds (VOCs)																		
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 UJ*	NR	NR	NR	*1 U*	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*2 U*	*2 U*	*1 U*	NR	NR	NR	*2 U*	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U	5 U	5 U	NR	NR	NR	5 U	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U	5 U	5 U	NR	NR	NR	5 U	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	*1 U*	NR	NR	NR	*2.5 U*	*2.5 U*
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 U	5 U	1 U	NR	NR	NR	5 U	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	5 U	5 U	10 U	NR	NR	NR	7.2 U	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 U	20 U	1 U	NR	NR	NR	20 U	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 U*	*100 U*	*10 U*	NR	NR	NR	*100 U*	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 U*	*20 U*	*1 U*	NR	NR	NR	*20 U*	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR	*0.5 U*	*0.5 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW04	CAMU-MW05	CAMU-MW05
										Sample Date	**3/3/2014**	**8/18/2014**	**5/19/2015**	**5/19/2015**	**5/19/2015**	**5/19/2015**	**2/15/2013**	**8/20/2013**
										Lab Sample ID	**500-72537-1**	**500-82576-13**	**1505963-15A**	**1505963-15B**	**1505963-15C**	**1505963-15D**	**510-89011-1**	**500-61499-4**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 U	5 U	1 U	NR	NR	NR	5 U	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 U	2.5 U	1 U	NR	NR	NR	2.5 U	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	0.5 U	0.5 U	1 U	NR	NR	NR	0.5 U	0.5 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 U	2.5 U	1 U	NR	NR	NR	2.5 U	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	100 U	100 U	1 U	NR	NR	NR	100 U	100 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	1 U	NR	NR	NR	*2.5 U*	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 U	2.5 U	1 U	NR	NR	NR	2.5 U	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	5 U	5 U	5 U	NR	NR	NR	5 U	5 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 U*	*10 U*	*1 U*	NR	NR	NR	*10 U*	*10 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	20 U	10 U	NR	NR	NR	20 U	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	0.5 U	0.5 U	1 U	NR	NR	NR	0.5 U	0.5 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*10 U*	*10 U*	*2 U*	NR	NR	NR	*10 U*	*10 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR	*0.5 U*	*0.5 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	1 U	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	2 U	2 U	1 U	NR	NR	NR	2 U	2 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR	*0.5 U*	*0.5 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	1 U	1 U	3 U	NR	NR	NR	1 U	1 U

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05
										Sample Date	8/20/2013	3/4/2014	8/14/2014	5/20/2015	5/20/2015	5/20/2015	5/20/2015	5/20/2015
										Lab Sample ID	500-61499-7	500-72568-2	500-82428-1	15051101-06A	15051101-06B_RA	15051101-06B	15051101-06C_RA	15051101-06C
										Sample Type	FD	TRG	TRG	TRG	TRG	TRG	TRG	TRG
Semi-Volatile Organic Compounds (SVOCs)																		
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*4.7 U*	*3.9 U*	*4 U*	NR	NR	*10 U*	NR	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*1.9 U*	*1.6 U*	*1.6 U*	NR	NR	*5 U*	NR	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	1.9 U	1.6 U	1.6 U	NR	NR	5 U	NR	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	4.7 U	7.8 U	7.9 U	NR	NR	10 U	NR	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	1.9 U	1.6 U	1.6 U	NR	NR	5 U	NR	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*1.9 U*	*1.6 U*	*1.6 U*	NR	NR	*5 U*	NR	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*19 U*	*16 U*	*16 U*	NR	NR	*5 U*	NR	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	9.5 U	31 U	R	NR	NR	5 U	NR	NR
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	9.5 U	16 U	16 U	NR	NR	10 U	NR	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	4.7 UJ	3.9 U	4 U	NR	NR	5 U	NR	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*9.5 UJ*	*7.8 U*	*7.9 U*	NR	NR	*5 U*	NR	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*4.7 UJ*	*3.9 U*	*4 U*	NR	NR	*5 U*	NR	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	9.5 UJ	7.8 U	7.9 U	NR	NR	5 U	NR	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	9.5 UJ	7.8 U	7.9 U	NR	NR	5 U	NR	NR
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	19 UJ	16 U	16 U	NR	NR	5 U	NR	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*0.95 U*	*0.78 U*	*0.79 U*	NR	NR	*5 U*	NR	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*4.7 UJ*	*7.8 U*	*7.9 U*	NR	NR	*5 U*	NR	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*0.47 U*	*0.39 U*	*0.4 U*	NR	NR	*5 U*	NR	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*4.7 U*	*7.8 U*	*7.9 U*	NR	NR	*5 U*	NR	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*1.9 U*	*1.6 U*	*1.6 U*	NR	NR	*5 U*	NR	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	4.7 UJ	3.9 U	4 U	NR	NR	5 U	NR	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	0.47 U	0.39 U	0.63	NR	NR	0.22 J	NR	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	1.9 UJ	1.6 U	1.6 U	NR	NR	5 U	NR	NR
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*9.5 U*	*16 U*	*16 U*	NR	NR	*10 U*	NR	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	4.7 U	3.9 U	4 U	NR	NR	5 U	NR	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	9.5 UJ	7.8 U	7.9 U	NR	NR	5 U	NR	NR
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	9.5 U	31 U	32 U	NR	NR	10 U	NR	NR
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*9.5 UJ*	*7.8 U*	*7.9 U*	NR	NR	5 U	NR	NR
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	1.9 UJ	1.6 U	1.6 U	NR	NR	5 U	NR	NR
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*4.7 U*	*3.9 UJ*	*4 U*	NR	NR	*5 U*	NR	NR
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	*19 U*	*31 U*	*32 UJ*	NR	NR	*20 U*	NR	NR
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*4.7 U*	*7.8 U*	*7.9 U*	NR	NR	*5 U*	NR	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	9.5 U	7.8 U	7.9 U	NR	NR	5 U	NR	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*19 UJ*	*16 U*	*16 U*	NR	NR	*5 U*	NR	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*9.5 U*	*7.8 U*	*7.9 U*	NR	NR	*10 U*	NR	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*4.7 U*	*3.9 U*	*4 U*	NR	NR	*5 U*	NR	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	9.5 UJ	7.8 U	7.9 U	NR	NR	5 U	NR	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*9.5 U*	*7.8 U*	*7.9 U*	NR	NR	*5 U*	NR	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	4.7 U	3.9 U	4 U	NR	NR	5 U	NR	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*9.5 UJ*	*7.8 UJ*	*7.9 U*	NR	NR	*5 U*	NR	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	19 UJ	16 U	16 U	NR	NR	5 U	NR	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	19 U	31 U	R	NR	NR	10 U	NR	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	4.7 U	7.8 U	7.9 U	NR	NR	5 U	NR	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*4.7 U*	*31 U*	*32 U*	NR	NR	*5 U*	NR	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	0.95 U	0.78 U	0.79 U	NR	NR	5 U	NR	NR
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	0.95 U	0.78 U	0.79 U	NR	NR	5 U	NR	NR
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	4.7 U	3.9 U	4 U	NR	NR	1 U	NR	NR
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*19 U*	*16 U*	*16 UJ*	NR	NR	*5 U*	NR	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*0.95 U*	*0.78 U*	*0.79 U*	NR	NR	0.21 J	NR	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*4.7 U*	*7.8 U*	*7.9 U*	NR	NR	*5 U*	NR	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*0.19 U*	*0.16 U*	*0.16 U*	NR	NR	*5 U*	NR	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05
										Sample Date	8/20/2013	3/4/2014	8/14/2014	5/20/2015	5/20/2015	5/20/2015	5/20/2015	5/20/2015
										Lab Sample ID	500-61499-7	500-72568-2	500-82428-1	15051101-06A	15051101-06B_RA	15051101-06B	15051101-06C_RA	15051101-06C
										Sample Type	FD	TRG	TRG	TRG	TRG	TRG	TRG	TRG
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*0.19 U*	*0.16 U*	*0.16 U*	NR	NR	*5 U*	NR	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*0.19 U*	*0.16 U*	*0.16 U*	NR	NR	*5 U*	NR	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	0.95 U	0.78 U	0.79 U	NR	NR	5 U	NR	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.19 U	0.16 U	0.16 U	NR	NR	*5 U*	NR	NR
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	*19 UJ*	*16 U*	*16 UJ*	NR	NR	5 U	NR	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	1.9 U	1.6 U	1.6 U	NR	NR	5 U	NR	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	1.9 U	1.6 U	1.6 U	NR	NR	5 U	NR	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*1.9 U*	*1.6 U*	*1.6 U*	NR	NR	*5 U*	NR	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*9.5 U*	*7.8 U*	*7.9 U*	NR	NR	*5 U*	NR	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	1.9 U	1.6 U	1.6 U	NR	NR	5 U	NR	NR
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	4.7 U	3.9 U	4 U	NR	NR	5 U	NR	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*4.7 U*	*7.8 U*	*7.9 U*	NR	NR	*5 U*	NR	NR
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.47 U	0.39 U	0.4 U	NR	NR	*5 U*	NR	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*4.7 U*	*7.8 U*	*7.9 U*	NR	NR	*5 U*	NR	NR
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*0.28 U*	*0.24 U*	*0.24 U*	NR	NR	*5 U*	NR	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	1.9 U	1.6 U	1.6 U	NR	NR	5 U	NR	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	1.9 U	1.6 U	1.6 U	NR	NR	5 U	NR	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	1.9 U	1.6 U	1.6 U	NR	NR	5 U	NR	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	4.7 U	3.9 U	4 U	NR	NR	5 U	NR	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	9.5 U	7.8 U	7.9 U	NR	NR	5 U	NR	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	4.7 U	7.8 U	7.9 U	NR	NR	5 U	NR	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	4.7 U	16 U	16 U	NR	NR	5 U	NR	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	0.95 U	0.78 U	0.79 U	NR	NR	*5 U*	NR	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	0.95 U	0.78 U	0.79 U	NR	NR	*5 U*	NR	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*0.47 U*	*0.39 U*	*0.4 U*	NR	NR	*5 U*	NR	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*4.7 U*	*3.9 U*	*4 U*	NR	NR	*5 U*	NR	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*19 UJ*	*16 U*	*16 UJ*	NR	NR	*5 U*	NR	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*4.7 U*	*3.9 U*	*4 U*	NR	NR	*5 U*	NR	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*95 U*	*63 U*	*63 UJ*	NR	NR	*60 UX*	NR	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	19 U	16 U	16 U	NR	NR	10 U	NR	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*0.19 U*	*0.16 U*	*0.16 U*	NR	NR	*5 U*	NR	NR
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	1.9 U	1.6 U	1.6 U	NR	NR	5 U	NR	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	4.7 U	7.8 U	7.9 U	NR	NR	10 U	NR	NR
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*4.7 U*	*3.9 U*	*4 U*	NR	NR	*5 U*	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	38 U	31 U	32 U	NR	NR	10 U	NR	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*4.7 U*	*31 U*	*32 UJ*	NR	NR	*10 U*	NR	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*0.95 U*	*0.78 U*	*0.79 U*	NR	NR	*5 U*	NR	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*0.95 U*	*0.78 U*	*0.79 U*	NR	NR	*5 U*	NR	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*4.7 U*	*16 U*	*16 U*	NR	NR	*5 U*	NR	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*9.5 U*	*7.8 U*	*7.9 U*	NR	NR	*5 U*	NR	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*4.7 U*	*7.8 U*	*7.9 U*	NR	NR	*5 U*	NR	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*0.47 U*	*0.39 U*	*0.4 U*	NR	NR	*5 U*	NR	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	0.95 U	0.78 U	0.79 U	NR	NR	5 U	NR	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*4.7 U*	*16 U*	*16 UJ*	NR	NR	*5 U*	NR	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*4.7 U*	*16 U*	*16 UJ*	NR	NR	*5 U*	NR	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	4.7 U	7.8 U	7.9 U	NR	NR	5 U	NR	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*4.7 U*	*7.8 U*	*7.9 U*	NR	NR	*5 U*	NR	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	4.7 U	31 U	32 U	NR	NR	10 U	NR	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*4.7 U*	*7.8 U*	*7.9 U*	NR	NR	*5 U*	NR	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*4.7 U*	*7.8 U*	*7.9 U*	NR	NR	*20 U*	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*4.7 U*	*7.8 U*	*7.9 UJ*	NR	NR	*10 U*	NR	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*19 UJ*	*16 U*	*16 U*	NR	NR	*5 U*	NR	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05
										Sample Date	**8/20/2013**	**3/4/2014**	**8/14/2014**	**5/20/2015**	**5/20/2015**	**5/20/2015**	**5/20/2015**	**5/20/2015**
										Lab Sample ID	**500-61499-7**	**500-72568-2**	**500-82428-1**	**15051101-06A**	**15051101-06B_RA**	**15051101-06B**	**15051101-06C_RA**	**15051101-06C**
										Sample Type	**FD**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	4.7 U	7.8 U	7.9 U	NR	NR	5 U	NR	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	*0.95 U*	0.78 U	0.79 U	NR	NR	*5 U*	NR	NR
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	4.7 UJ	3.9 U	4 U	NR	NR	5 U	NR	NR
Pronamide	23950-59-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	9.5 U	7.8 U	7.9 U	NR	NR	5 U	NR	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*0.95 U*	*0.78 U*	*0.79 U*	NR	NR	*5 U*	NR	NR
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	19 UJ	16 U	16 U	NR	NR	10 U	NR	NR
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	*9.5 U*	*31 U*	*32 U*	NR	NR	*5 U*	NR	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*4.7 U*	*7.8 U*	*7.9 U*	NR	NR	*10 U*	NR	NR
General Chemistry																		
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*10 U*	*10 U*	*10 U*	NR	NR	NR	NR	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	NR	NR
Total Metals																		
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	*10 U*	*10 U*	NR	NR	NR	NR	NR	*5 U*
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	50	47	44	NR	NR	NR	NR	45
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	2 U	2 U	2 U	NR	NR	NR	NR	0.1 J
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	10 U	10 U	10 U	NR	NR	NR	NR	5 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	5 U	5 U	5 U	NR	NR	NR	NR	0.17 J
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	10 U	10 U	10 U	NR	NR	NR	2.5 J	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	0.2 U	0.2 U	0.2 U	NR	NR	NR	NR	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	*10 U*	*10 U*	*10 U*	NR	NR	NR	NR	1.1 J
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	*5 U*	*5 U*	*5 U*	NR	NR	NR	NR	*5 U*
Polychlorinated Biphenyls (PCBs)																		
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	*0.4 U*	*0.4 UJ*	*0.39 U*	NR	0.2 U	NR	NR	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	*0.4 U*	*0.4 U*	*0.39 U*	NR	*0.2 U*	NR	NR	NR
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	*0.4 U*	*0.4 U*	*0.39 U*	NR	*0.2 U*	NR	NR	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	*0.4 U*	*0.4 U*	*0.39 U*	NR	*0.2 U*	NR	NR	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	*0.4 U*	*0.4 U*	*0.39 U*	NR	*0.2 U*	NR	NR	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	*0.4 U*	*0.4 U*	*0.39 U*	NR	*0.2 U*	NR	NR	NR
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	*0.4 UJ*	*0.4 U*	*0.39 U*	NR	*0.2 U*	NR	NR	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	0.4 U	0.4 U	0.39 U	NR	0.2 U	NR	NR	NR
Volatile Organic Compounds (VOCs)																		
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	NR	NR	NR	NR
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	NR	NR	NR	NR
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	NR	NR	NR	NR
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*2 U*	*2 U*	*2 U*	*1 U*	NR	NR	NR	NR
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	NR	NR	NR	NR
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	NR	NR	NR	NR
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	*2.5 U*	*1 U*	NR	NR	NR	NR
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 U	5 U	5 U	1 U	NR	NR	NR	NR
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	5 U	5 U	5 U	10 U	NR	NR	NR	NR
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 U	20 U	20 U	1 U	NR	NR	NR	NR
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 U*	*100 U*	*100 U*	*10 U*	NR	NR	NR	NR
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 U*	*20 U*	*20 U*	*1 U*	NR	NR	NR	NR
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05	CAMU-MW05
										Sample Date	**8/20/2013**	**3/4/2014**	**8/14/2014**	**5/20/2015**	**5/20/2015**	**5/20/2015**	**5/20/2015**	**5/20/2015**
										Lab Sample ID	**500-61499-7**	**500-72568-2**	**500-82428-1**	**15051101-06A**	**15051101-06B_RA**	**15051101-06B**	**15051101-06C_RA**	**15051101-06C**
										Sample Type	**FD**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	NR	NR	NR	NR
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	NR	NR	NR	NR
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 U	5 U	5 U	1 U	NR	NR	NR	NR
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	NR	NR	NR	NR
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	NR	NR	NR	NR
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	NR	NR	NR	NR
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	NR	NR	NR	NR
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	NR	NR	NR	NR
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	NR	NR	NR	NR
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	1 U	NR	NR	NR	NR
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	0.5 U	0.5 U	0.5 U	1 U	NR	NR	NR	NR
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	1 U	NR	NR	NR	NR
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	100 U	100 U	100 U	1 U	NR	NR	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	*2.5 U*	1 U	NR	NR	NR	NR
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	1 U	NR	NR	NR	NR
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	NR	NR	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 U*	*10 U*	*10 U*	*1 U*	NR	NR	NR	NR
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	20 U	20 U	10 U	NR	NR	NR	NR
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	NR	NR	NR	NR
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	NR	NR	NR	NR
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	0.5 U	0.5 U	0.5 U	1 U	NR	NR	NR	NR
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	NR	NR	NR	NR
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	NR	NR	NR	NR
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*10 U*	*10 U*	*10 U*	*2 U*	NR	NR	NR	NR
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR	NR
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	NR	NR	NR	NR
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	2 U	2 U	2 U	1 U	NR	NR	NR	NR
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR	NR
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	1 U	1 U	1 U	3 U	NR	NR	NR	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW05	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R
										Sample Date	5/20/2015	2/14/2013	8/19/2013	3/3/2014	3/3/2014	8/18/2014	5/18/2015	5/18/2015
										Lab Sample ID	15051101-06D	510-89006-1	500-61451-1	500-72496-3	500-72496-5	500-82576-1	1505963-09A	1505963-09B
										Sample Type	TRG	TRG	TRG	TRG	FD	TRG	TRG	TRG
Semi-Volatile Organic Compounds (SVOCs)																		
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*3.8 U*	*3.9 U*	*3.7 U*	NR	*10 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	NR	*2.1 U*	*1.9 UJ*	*1.5 U*	*1.5 U*	*1.5 U*	NR	*5 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	NR	2.1 U	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	NR	5.2 U	4.8 UJ	7.6 U	7.7 U	7.4 U	NR	10 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	NR	2.1 U	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	NR	*2.1 U*	*1.9 UJ*	*1.5 U*	*1.5 U*	*1.5 U*	NR	*5 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	NR	*21 UJ*	*19 UJ*	*15 U*	*15 U*	*15 U*	NR	*5 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	9.5 UJ	30 U	31 U	29 U	NR	5 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	9.5 UJ	15 U	15 U	15 U	NR	10 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	NR	5.2 U	4.8 UJ	3.8 U	3.9 U	3.7 U	NR	5 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	NR	*10 U*	*9.5 UJ*	*7.6 U*	*7.7 U*	*7.4 U*	NR	*5 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*3.8 U*	*3.9 U*	*3.7 U*	NR	*5 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	NR	10 U	9.5 UJ	7.6 U	7.7 U	7.4 U	NR	5 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	NR	10 U	9.5 UJ	7.6 U	7.7 U	7.4 U	NR	5 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	NR	*21 U*	19 UJ	15 U	15 U	15 U	NR	5 U
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	NR	*1 U*	*0.95 UJ*	*0.76 U*	*0.77 U*	*0.74 U*	NR	*5 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*7.6 U*	*7.7 U*	*7.4 U*	NR	*5 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	NR	*0.52 U*	*0.48 UJ*	*0.38 U*	*0.39 U*	*0.37 U*	NR	*5 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*7.6 U*	*7.7 U*	*7.4 U*	NR	*5 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	NR	*2.1 U*	*1.9 UJ*	*1.5 U*	*1.5 U*	*1.5 U*	NR	*5 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	NR	5.2 U	4.8 UJ	3.8 U	3.9 U	3.7 U	NR	5 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	NR	0.52 UJ	0.48 UJ	0.38 U	0.39 U	0.37 U	NR	5 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	NR	2.1 U	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	NR	*10 UJ*	*9.5 UJ*	*15 U*	*15 U*	*15 U*	NR	*10 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	NR	5.2 U	4.8 UJ	3.8 U	3.9 U	3.7 U	NR	5 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	NR	10 U	9.5 UJ	7.6 U	7.7 U	7.4 U	NR	5 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	9.5 UJ	30 U	31 U	29 U	NR	10 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	NR	*10 U*	*9.5 UJ*	*7.6 U*	*7.7 U*	*7.4 U*	NR	5 U
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	2.1 UJ	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 U
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*3.8 U*	*3.9 U*	*3.7 U*	NR	R
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	NR	*21 U*	*19 UJ*	*30 U*	*31 U*	*29 U*	NR	*20 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*7.6 U*	*7.7 U*	*7.4 U*	NR	*5 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	9.5 UJ	7.6 U	7.7 U	7.4 U	NR	5 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	NR	*21 U*	*19 UJ*	*15 U*	*15 U*	*15 U*	NR	*5 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	NR	*10 U*	*9.5 UJ*	*7.6 U*	*7.7 U*	*7.4 U*	NR	*10 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*3.8 U*	*3.9 U*	*3.7 U*	NR	*5 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	NR	10 U	9.5 UJ	7.6 U	7.7 U	7.4 U	NR	5 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	NR	*10 U*	*9.5 UJ*	*7.6 U*	*7.7 U*	*7.4 U*	NR	*5 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5.2 U	4.8 UJ	3.8 U	3.9 U	3.7 U	NR	5 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	NR	*10 U*	*9.5 UJ*	*7.6 U*	*7.7 U*	*7.4 U*	NR	*5 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	NR	21 U	19 UJ	15 U	15 U	15 U	NR	5 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	21 U	19 UJ	30 U	31 U	29 U	NR	10 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	NR	5.2 U	4.8 UJ	7.6 U	7.7 U	7.4 U	NR	5 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*30 U*	*31 U*	*29 U*	NR	*5 U*
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	NR	1 U	0.95 UJ	0.76 U	0.77 U	0.74 U	NR	5 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	NR	1 UJ	0.95 UJ	0.76 U	0.77 U	0.74 U	NR	5 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	NR	5.2 U	4.8 UJ	3.8 U	3.9 U	3.7 U	NR	1 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	NR	*21 U*	*19 UJ*	*15 U*	*15 U*	*15 U*	NR	*5 UJ*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	NR	*1 UJ*	*0.95 UJ*	*0.76 U*	*0.77 U*	*0.74 U*	NR	*5 U*
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*7.6 U*	*7.7 U*	*7.4 U*	NR	*5 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	NR	*0.21 UJ*	*0.19 UJ*	*0.15 U*	*0.15 U*	*0.15 U*	NR	*5 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW05	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R
										Sample Date	**5/20/2015**	**2/14/2013**	**8/19/2013**	**3/3/2014**	**3/3/2014**	**8/18/2014**	**5/18/2015**	**5/18/2015**
										Lab Sample ID	**15051101-06D**	**510-89006-1**	**500-61451-1**	**500-72496-3**	**500-72496-5**	**500-82576-1**	**1505963-09A**	**1505963-09B**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**FD**	**TRG**	**TRG**	**TRG**
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	NR	*0.21 U*	*0.19 UJ*	*0.15 U*	*0.15 U*	*0.15 U*	NR	*5 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	NR	*0.21 U*	*0.19 UJ*	*0.15 U*	*0.15 U*	*0.15 U*	NR	*5 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	NR	1 U	0.95 UJ	0.76 U	0.77 U	0.74 U	NR	5 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	NR	0.21 U	0.19 UJ	0.15 U	0.15 U	0.15 U	NR	*5 U*
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	NR	*21 U*	*19 UJ*	*15 U*	*15 U*	*15 U*	NR	5 U
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	NR	2.1 U	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 U
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	NR	2.1 U	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	NR	*2.1 U*	*1.9 UJ*	*1.5 U*	*1.5 U*	*1.5 U*	NR	*5 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	NR	*10 U*	*9.5 UJ*	*7.6 U*	*7.7 U*	*7.4 U*	NR	*5 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	NR	2.1 U	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5.2 U	4.8 UJ	3.8 U	3.9 U	3.7 U	NR	5 U
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*7.6 U*	*7.7 U*	*7.4 U*	NR	*5 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	NR	0.52 UJ	0.48 UJ	0.38 U	0.39 U	0.37 U	NR	*5 U*
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*7.6 U*	*7.7 U*	*7.4 U*	NR	*5 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	NR	*0.31 U*	*0.29 UJ*	*0.23 U*	*0.23 U*	*0.22 U*	NR	*5 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	NR	2.1 UJ	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 UJ
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	NR	2.1 U	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	NR	2.1 U	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	NR	5.2 U	4.8 UJ	3.8 U	3.9 U	3.7 U	NR	5 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	NR	10 UJ	9.5 UJ	7.6 U	7.7 U	7.4 U	NR	5 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	NR	5.2 U	4.8 UJ	7.6 U	7.7 U	7.4 U	NR	5 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5.2 U	4.8 UJ	15 U	15 U	15 U	NR	5 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	NR	1 U	0.95 UJ	0.76 U	0.77 U	0.74 U	NR	*5 UJ*
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	NR	1 U	0.95 UJ	0.76 U	0.77 U	0.74 U	NR	*5 UJ*
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	NR	*0.52 U*	*0.48 UJ*	*0.38 U*	*0.39 U*	*0.37 U*	NR	*5 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*3.8 U*	*3.9 U*	*3.7 U*	NR	*5 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	NR	*21 U*	*19 UJ*	*15 U*	*15 U*	*15 UJ*	NR	*5 U*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*3.8 U*	*3.9 U*	*3.7 U*	NR	*5 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	NR	R	*95 UJ*	*60 U*	*62 U*	*59 U*	NR	*60 UX*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	21 U	19 UJ	15 U	15 U	15 U	NR	10 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	NR	*0.21 U*	*0.19 UJ*	*0.15 U*	*0.15 U*	*0.15 U*	NR	*5 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	NR	2.1 U	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5.2 U	4.8 UJ	7.6 U	7.7 U	7.4 U	NR	10 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*3.8 U*	*3.9 U*	*3.7 U*	NR	*5 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	42 U	38 UJ	30 U	31 U	29 U	NR	10 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*30 U*	*31 U*	*29 U*	NR	*10 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	NR	*1 UJ*	*0.95 UJ*	*0.76 U*	*0.77 U*	*0.74 U*	NR	*5 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	NR	*1 U*	*0.95 UJ*	*0.76 U*	*0.77 U*	*0.74 U*	NR	*5 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*15 U*	*15 U*	*15 U*	NR	*5 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	NR	*10 UJ*	*9.5 UJ*	*7.6 U*	*7.7 U*	*7.4 U*	NR	*5 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*7.6 U*	*7.7 U*	*7.4 U*	NR	*5 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	NR	*0.52 U*	*0.48 UJ*	*0.38 U*	*0.39 U*	*0.37 U*	NR	*5 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	NR	1 U	0.95 UJ	0.76 U	0.77 U	0.74 U	NR	5 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*15 U*	*15 U*	*15 U*	NR	*5 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*15 U*	*15 U*	*15 U*	NR	*5 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5.2 U	4.8 UJ	7.6 U	7.7 U	7.4 U	NR	5 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*7.6 U*	*7.7 U*	*7.4 U*	NR	*5 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5.2 U	4.8 UJ	30 U	31 U	29 U	NR	10 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*7.6 U*	*7.7 U*	*7.4 U*	NR	*5 U*
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*7.6 U*	*7.7 U*	*7.4 U*	NR	*20 U*
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*7.6 U*	*7.7 U*	*7.4 U*	NR	*10 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	NR	*21 UJ*	*19 UJ*	*15 U*	*15 U*	*15 U*	NR	*5 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW05	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R
										Sample Date	**5/20/2015**	**2/14/2013**	**8/19/2013**	**3/3/2014**	**3/3/2014**	**8/18/2014**	**5/18/2015**	**5/18/2015**
										Lab Sample ID	**15051101-06D**	**510-89006-1**	**500-61451-1**	**500-72496-3**	**500-72496-5**	**500-82576-1**	**1505963-09A**	**1505963-09B**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**FD**	**TRG**	**TRG**	**TRG**
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	NR	5.2 U	4.8 UJ	7.6 U	7.7 U	7.4 U	NR	5 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	NR	*1 UJ*	*0.95 UJ*	0.76 U	0.77 U	0.74 U	NR	*5 UJ*
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	NR	5.2 U	4.8 UJ	3.8 U	3.9 U	3.7 U	NR	5 U
Pronamide	23950-59-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	NR	10 U	9.5 UJ	7.6 U	7.7 U	7.4 U	NR	5 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	NR	*1 UJ*	*0.95 UJ*	*0.76 U*	*0.77 U*	*0.74 U*	NR	*5 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	NR	*21 U*	19 UJ	15 U	15 U	15 U	NR	10 U
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	NR	*10 U*	*9.5 UJ*	*30 U*	*31 U*	*29 U*	NR	*5 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	NR	*5.2 U*	*4.8 UJ*	*7.6 U*	*7.7 U*	*7.4 U*	NR	*10 U*
General Chemistry																		
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 UJ*	NR	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*5 U*	NR	NR	NR	NR	NR	NR	NR
Total Metals																		
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	NR	**3.5**	*10 U*	*10 U*	*10 U*	*10 U*	NR	NR
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	NR	47	34	30 J	29 J	29	NR	NR
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	NR	1 U	2 U	2 U	2 U	2 U	NR	NR
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	NR	1.5 U	10 U	10 U	10 U	10 U	NR	NR
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	NR	0.5 U	5 UJ	5 U	5 U	5 U	NR	NR
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	NR	*15 UJ*	**15**	**26**	**29**	10 U	NR	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	NR	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NR	NR
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	NR	**8.9**	*10 U*	*10 U*	*10 U*	*10 U*	NR	NR
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	NR	*2 UJ*	*5 U*	*5 U*	*5 U*	*5 U*	NR	NR
Polychlorinated Biphenyls (PCBs)																		
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	NR	*0.53 U*	*0.4 U*	*0.41 UJ*	*0.4 UJ*	*0.4 U*	NR	0.2 U
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	NR	*0.53 U*	*0.4 U*	*0.41 U*	*0.4 U*	*0.4 U*	NR	*0.2 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	NR	*0.53 U*	*0.4 U*	*0.41 U*	*0.4 U*	*0.4 U*	NR	*0.2 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	NR	*0.53 U*	*0.4 U*	*0.41 U*	*0.4 U*	*0.4 U*	NR	*0.2 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	NR	*0.53 U*	*0.4 U*	*0.41 U*	*0.4 U*	*0.4 U*	NR	*0.2 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	NR	*0.53 U*	*0.4 U*	*0.41 U*	*0.4 U*	*0.4 U*	NR	*0.2 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	NR	*0.53 U*	*0.4 UJ*	*0.41 U*	*0.4 U*	*0.4 U*	NR	*0.2 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	NR	*0.53 U*	0.4 UJ	0.41 U	0.4 U	0.4 U	NR	0.2 U
Volatile Organic Compounds (VOCs)																		
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	NR
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	NR	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*1 U*	NR
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	NR	5 U	5 U	5 U	5 U	5 U	5 U	NR
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	NR	5 U	5 U	5 U	5 U	5 U	5 U	NR
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	NR	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*1 U*	NR
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	NR	5 U	5 U	5 U	5 U	5 U	1 U	NR
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	NR	5 U	5 U	5 U	5 U	5 U	10 U	NR
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	NR	20 U	20 U	20 U	20 U	20 U	1 U	NR
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	NR	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*	*10 U*	NR
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	NR	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*1 U*	NR
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	NR	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW05	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R	CAMU-MW06R
										Sample Date	**5/20/2015**	**2/14/2013**	**8/19/2013**	**3/3/2014**	**3/3/2014**	**8/18/2014**	**5/18/2015**	**5/18/2015**
										Lab Sample ID	**15051101-06D**	**510-89006-1**	**500-61451-1**	**500-72496-3**	**500-72496-5**	**500-82576-1**	**1505963-09A**	**1505963-09B**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**FD**	**TRG**	**TRG**	**TRG**
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	NR	5 U	5 U	5 U	5 U	1 U	1 U	NR
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	NR	1 UJ	1 U	1 U	1 U	1 U	1 U	NR
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	NR
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	NR	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	NR
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	NR
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	NR	0 R	100 U	100 U	100 U	100 U	1 U	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	NR	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	1 U	NR
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	NR
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	NR	5 U	5 U	5 U	5 U	5 U	5 U	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	NR	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*1 U*	NR
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	0 R	20 U	20 U	20 U	20 U	10 U	NR
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	NR	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	NR
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	NR	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*2 U*	NR
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	NR	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	NR	2 U	2 U	2 U	2 U	2 U	1 U	NR
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	NR	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	3 U	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW06R	CAMU-MW06R	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07
										Sample Date	5/18/2015	5/18/2015	2/14/2013	8/20/2013	3/3/2014	8/18/2014	3/3/2014	5/18/2015
										Lab Sample ID	1505963-09C	1505963-09D	510-88983-1	500-61539-1	500-72496-7	500-82576-7	500-72496-6	1505963-01A
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	FD	TRG
Semi-Volatile Organic Compounds (SVOCs)																		
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*3.7 U*	*3.8 U*	*3.9 U*	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	NR	NR	*2 U*	*1.9 UJ*	*1.5 U*	*1.5 U*	*1.6 U*	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	NR	NR	2 U	1.9 UJ	1.5 U	1.5 U	1.6 U	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	NR	NR	5.1 U	4.8 UJ	7.5 U	7.6 U	7.8 U	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	NR	NR	2 U	1.9 UJ	1.5 U	1.5 U	1.6 U	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	NR	NR	*2 U*	*1.9 UJ*	*1.5 U*	*1.5 U*	*1.6 U*	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	NR	NR	*20 UJ*	*19 UJ*	*15 U*	*15 U*	*16 U*	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	10 U	9.6 UJ	30 U	30 U	31 U	NR
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	10 U	9.6 UJ	15 U	15 U	16 U	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	NR	NR	5.1 U	4.8 UJ	3.7 U	3.8 U	3.9 U	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	NR	NR	*10 U*	*9.6 UJ*	*7.5 U*	*7.6 U*	*7.8 U*	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*3.7 U*	*3.8 U*	*3.9 U*	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	NR	NR	10 U	9.6 UJ	7.5 U	7.6 U	7.8 U	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	NR	NR	10 U	9.6 UJ	7.5 U	7.6 U	7.8 U	NR
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	NR	NR	*20 U*	19 UJ	15 U	15 U	16 U	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	NR	NR	*1 U*	*0.96 UJ*	*0.75 U*	*0.76 U*	*0.78 U*	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*7.5 U*	*7.6 U*	*7.8 U*	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	NR	NR	*0.51 U*	*0.48 UJ*	*0.37 U*	*0.38 U*	*0.39 U*	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*7.5 U*	*7.6 U*	*7.8 U*	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	NR	NR	*2 U*	*1.9 UJ*	*1.5 U*	*1.5 U*	*1.6 U*	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	NR	NR	5.1 UJ	4.8 UJ	3.7 U	3.8 U	3.9 U	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	NR	NR	0.51 U	0.48 UJ	0.37 U	0.38 U	0.39 U	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	NR	NR	2 U	1.9 UJ	1.5 U	1.5 U	1.6 U	NR
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	NR	NR	*10 U*	*9.6 UJ*	*15 U*	*15 U*	*16 U*	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	NR	NR	5.1 U	4.8 UJ	3.7 U	3.8 U	3.9 U	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	NR	NR	10 U	9.6 UJ	7.5 U	7.6 U	7.8 U	NR
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	10 U	9.6 UJ	30 U	30 U	31 U	NR
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	NR	NR	*10 U*	*9.6 UJ*	*7.5 U*	*7.6 U*	*7.8 U*	NR
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	2 UJ	1.9 UJ	1.5 U	1.5 U	1.6 U	NR
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*3.7 U*	*3.8 U*	*3.9 U*	NR
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	NR	NR	*20 U*	*19 UJ*	*30 U*	*30 U*	*31 U*	NR
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*7.5 U*	*7.6 U*	*7.8 U*	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	10 U	9.6 UJ	7.5 U	7.6 U	7.8 U	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	NR	NR	*20 U*	*19 UJ*	*15 U*	*15 U*	*16 U*	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	NR	NR	*10 U*	*9.6 UJ*	*7.5 U*	*7.6 U*	*7.8 U*	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*3.7 U*	*3.8 U*	*3.9 U*	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	NR	NR	10 U	9.6 UJ	7.5 U	7.6 U	7.8 U	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	NR	NR	*10 U*	*9.6 UJ*	*7.5 U*	*7.6 U*	*7.8 U*	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	5.1 U	4.8 UJ	3.7 U	3.8 U	3.9 U	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	NR	NR	*10 U*	*9.6 UJ*	*7.5 U*	*7.6 U*	*7.8 U*	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	NR	NR	20 U	19 UJ	15 U	15 U	16 U	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	20 UJ	19 UJ	30 U	30 U	31 U	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	NR	NR	5.1 U	4.8 UJ	7.5 U	7.6 U	7.8 U	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*30 U*	*30 U*	*31 U*	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	NR	NR	1 U	0.96 UJ	0.75 U	0.76 U	0.78 U	NR
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	NR	NR	1 U	0.96 UJ	0.75 U	0.76 U	0.78 U	NR
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	NR	NR	5.1 U	4.8 UJ	3.7 U	3.8 U	3.9 U	NR
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	NR	NR	*20 U*	*19 UJ*	*15 U*	*15 U*	*16 U*	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	NR	NR	*1 U*	*0.96 UJ*	*0.75 U*	*0.76 U*	*0.78 U*	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*7.5 U*	*7.6 U*	*7.8 U*	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	NR	NR	*0.2 U*	*0.19 UJ*	*0.15 U*	*0.15 U*	*0.16 U*	NR

Table 2B
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Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW06R	CAMU-MW06R	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07
										Sample Date	5/18/2015	5/18/2015	2/14/2013	8/20/2013	3/3/2014	8/18/2014	3/3/2014	5/18/2015
										Lab Sample ID	1505963-09C	1505963-09D	510-88983-1	500-61539-1	500-72496-7	500-82576-7	500-72496-6	1505963-01A
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	FD	TRG
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	NR	NR	*0.2 U*	*0.19 UJ*	*0.15 U*	*0.15 U*	*0.16 U*	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	NR	NR	*0.2 U*	*0.19 UJ*	*0.15 U*	*0.15 U*	*0.16 U*	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	NR	NR	1 U	0.96 UJ	0.75 U	0.76 U	0.78 U	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	NR	NR	0.2 U	0.19 UJ	0.15 U	0.15 U	0.16 U	NR
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	NR	NR	*20 U*	*19 UJ*	*15 U*	*15 U*	*16 U*	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	NR	NR	2 U	1.9 UJ	1.5 U	1.5 U	1.6 U	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	NR	NR	2 U	1.9 UJ	1.5 U	1.5 U	1.6 U	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	NR	NR	*2 U*	*1.9 UJ*	*1.5 U*	*1.5 U*	*1.6 U*	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	NR	NR	*10 U*	*9.6 UJ*	*7.5 U*	*7.6 U*	*7.8 U*	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	NR	NR	2 U	1.9 UJ	1.5 U	1.5 U	1.6 U	NR
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	5.1 U	4.8 UJ	3.7 U	3.8 U	3.9 U	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*7.5 U*	*7.6 U*	*7.8 U*	NR
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	NR	NR	0.51 U	0.48 UJ	0.37 U	0.38 U	0.39 U	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*7.5 U*	*7.6 U*	*7.8 U*	NR
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	NR	NR	*0.3 U*	*0.29 UJ*	*0.22 U*	*0.23 U*	*0.23 U*	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	NR	NR	2 U	1.9 UJ	1.5 U	1.5 U	1.6 U	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	NR	NR	2 U	1.9 UJ	1.5 U	1.5 U	1.6 U	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	NR	NR	2 U	1.9 UJ	1.5 U	1.5 U	1.6 U	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	NR	NR	5.1 U	4.8 UJ	3.7 U	3.8 U	3.9 U	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	NR	NR	10 U	9.6 UJ	7.5 U	7.6 U	7.8 U	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	NR	NR	5.1 U	4.8 UJ	7.5 U	7.6 U	7.8 U	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	5.1 U	4.8 UJ	15 U	15 U	16 U	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	NR	NR	1 U	0.96 UJ	0.75 U	0.76 U	0.78 U	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	NR	NR	1 U	0.96 UJ	0.75 U	0.76 U	0.78 U	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	NR	NR	*0.51 U*	*0.48 UJ*	*0.37 U*	*0.38 U*	*0.39 U*	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*3.7 U*	*3.8 U*	*3.9 U*	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	NR	NR	*20 U*	*19 UJ*	*15 U*	*15 UJ*	*16 U*	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*3.7 U*	*3.8 U*	*3.9 U*	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	NR	NR	*100 UJ*	*96 UJ*	*60 U*	*61 U*	*62 U*	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	20 U	19 UJ	15 U	15 U	16 U	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	NR	NR	*0.2 U*	*0.19 UJ*	*0.15 U*	*0.15 U*	*0.16 U*	NR
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	NR	NR	2 U	1.9 UJ	1.5 U	1.5 U	1.6 U	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	5.1 U	4.8 UJ	7.5 U	7.6 U	7.8 U	NR
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*3.7 U*	*3.8 U*	*3.9 U*	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	41 U	38 UJ	30 U	30 U	31 U	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*30 U*	*30 U*	*31 U*	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	NR	NR	*1 U*	*0.96 UJ*	*0.75 U*	*0.76 U*	*0.78 U*	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	NR	NR	*1 U*	*0.96 UJ*	*0.75 U*	*0.76 U*	*0.78 U*	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*15 U*	*15 U*	*16 U*	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	NR	NR	*10 UJ*	*9.6 UJ*	*7.5 U*	*7.6 U*	*7.8 U*	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*7.5 U*	*7.6 U*	*7.8 U*	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	NR	NR	*0.51 U*	*0.48 UJ*	*0.37 U*	*0.38 U*	*0.39 U*	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	NR	NR	1 U	0.96 UJ	0.75 U	0.76 U	0.78 U	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*15 U*	*15 U*	*16 U*	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*15 U*	*15 U*	*16 U*	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	5.1 U	4.8 UJ	7.5 U	7.6 U	7.8 U	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*7.5 U*	*7.6 U*	*7.8 U*	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	5.1 U	4.8 UJ	30 U	30 U	31 U	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*7.5 U*	*7.6 U*	*7.8 U*	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*7.5 U*	*7.6 U*	*7.8 U*	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*7.5 U*	*7.6 U*	*7.8 U*	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	NR	NR	*20 UJ*	*19 UJ*	*15 U*	*15 U*	*16 U*	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW06R	CAMU-MW06R	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07
										Sample Date	**5/18/2015**	**5/18/2015**	**2/14/2013**	**8/20/2013**	**3/3/2014**	**8/18/2014**	**3/3/2014**	**5/18/2015**
										Lab Sample ID	**1505963-09C**	**1505963-09D**	**510-88983-1**	**500-61539-1**	**500-72496-7**	**500-82576-7**	**500-72496-6**	**1505963-01A**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**FD**	**TRG**
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	NR	NR	5.1 U	4.8 UJ	7.5 U	7.6 U	7.8 U	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	NR	NR	*1 U*	*0.96 UJ*	0.75 U	0.76 U	0.78 U	NR
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	NR	NR	5.1 U	4.8 UJ	3.7 U	3.8 U	3.9 U	NR
Pronamide	23950-59-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	NR	NR	10 U	9.6 UJ	7.5 U	7.6 U	7.8 U	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	NR	NR	*1 U*	*0.96 UJ*	*0.75 U*	*0.76 U*	*0.78 U*	NR
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	NR	NR	20 U	19 UJ	15 U	15 U	16 U	NR
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	NR	NR	*10 U*	*9.6 UJ*	*30 U*	*30 U*	*31 U*	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	NR	NR	*5.1 U*	*4.8 UJ*	*7.5 U*	*7.6 U*	*7.8 U*	NR
General Chemistry																		
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	*5 UJ*	*10 U*	*10 U*	*10 U*	*10 UJ*	*10 U*	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	*5 U*	NR	NR	NR	NR	NR	NR
Total Metals																		
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	**2.4 J**	NR	*2 U*	*10 U*	*10 U*	*10 U*	*10 U*	NR
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	32	NR	24 J	26	20 J	35	20 J	NR
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	0.32 J	NR	1 U	2 U	2 U	2 U	2 U	NR
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	0.99 J	NR	1.5 U	10 U	10 U	10 U	10 U	NR
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	0.95 J	NR	0.52	5 U	5 U	5 U	5 U	NR
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	13	NR	*15 U*	**18**	10 U	12	10 U	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	0.2 U	NR	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NR
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	2.4 J	NR	1 U	*10 UJ*	*10 U*	*10 U*	*10 U*	NR
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	*5 U*	NR	*2 U*	*5 U*	*5 U*	*5 U*	*5 U*	NR
Polychlorinated Biphenyls (PCBs)																		
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	NR	NR	*0.51 U*	*0.4 U*	*0.39 UJ*	*0.4 U*	*0.38 UJ*	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	NR	NR	*0.51 U*	*0.4 U*	*0.39 U*	*0.4 U*	*0.38 U*	NR
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	NR	NR	*0.51 U*	*0.4 U*	*0.39 U*	*0.4 U*	*0.38 U*	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	NR	NR	*0.51 U*	*0.4 U*	*0.39 U*	*0.4 U*	*0.38 U*	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	NR	NR	*0.51 U*	*0.4 U*	*0.39 U*	*0.4 U*	*0.38 U*	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	NR	NR	*0.51 U*	*0.4 U*	*0.39 U*	*0.4 U*	*0.38 U*	NR
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	NR	NR	*0.51 U*	*0.4 UJ*	*0.39 U*	*0.4 U*	*0.38 U*	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	NR	NR	*0.51 U*	0.4 UJ	0.39 U	0.4 U	0.38 U	NR
Volatile Organic Compounds (VOCs)																		
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	NR	NR	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	NR	NR	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	NR	NR	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	NR	NR	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*1 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	NR	NR	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	NR	NR	5 U	5 U	5 U	5 U	5 U	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	NR	NR	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*1 U*
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	NR	NR	5 U	5 U	5 U	5 U	5 U	1 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	NR	NR	5 U	5 U	5 U	5 U	5 U	10 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	NR	NR	20 U	20 U	20 U	20 U	20 U	1 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	NR	NR	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*	*10 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	NR	NR	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*1 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	NR	NR	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*

Table 2B
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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW06R	CAMU-MW06R	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW07
										Sample Date	5/18/2015	5/18/2015	2/14/2013	8/20/2013	3/3/2014	8/18/2014	3/3/2014	5/18/2015
										Lab Sample ID	1505963-09C	1505963-09D	510-88983-1	500-61539-1	500-72496-7	500-82576-7	500-72496-6	1505963-01A
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	FD	TRG
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	NR	NR	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	NR	NR	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	NR	NR	5 U	5 U	5 U	5 U	5 U	1 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	NR	NR	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	NR	NR	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	NR	NR	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	NR	NR	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	NR	NR	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	NR	NR	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	NR	NR	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	NR	NR	100 U	100 U	100 U	100 U	100 U	1 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	NR	NR	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	1 U
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	NR	NR	5 U	5 U	5 U	5 U	5 U	5 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	NR	NR	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*1 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	20 U	20 U	20 U	20 U	20 U	10 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	NR	NR	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	NR	NR	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	NR	NR	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	NR	NR	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	NR	NR	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	NR	NR	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*2 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	NR	NR	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	NR	NR	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	NR	NR	2 U	2 U	2 U	2 U	2 U	1 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	NR	NR	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	NR	NR	1 U	1 U	1 U	1 U	1 U	3 U

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08
										Sample Date	5/18/2015	5/18/2015	5/18/2015	2/15/2013	8/20/2013	8/20/2013	3/4/2014	8/14/2014
										Lab Sample ID	1505963-01B	1505963-01C	1505963-01D	510-89011-3	500-61499-1	500-61499-6	500-72568-4	500-82428-5
										Sample Type	TRG	TRG	TRG	TRG	TRG	FD	TRG	TRG
Semi-Volatile Organic Compounds (SVOCs)																		
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*10 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*4 U*	*3.9 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*5 U*	NR	NR	*2.2 U*	*1.9 U*	*1.9 U*	*1.6 U*	*1.5 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	5 U	NR	NR	2.2 U	1.9 U	1.9 U	1.6 U	1.5 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	10 U	NR	NR	5.5 U	4.8 U	4.7 U	8 U	7.7 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	5 U	NR	NR	2.2 U	1.9 U	1.9 U	1.6 U	1.5 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*5 U*	NR	NR	*2.2 U*	*1.9 U*	*1.9 U*	*1.6 U*	*1.5 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*5 U*	NR	NR	*22 U*	*19 U*	*19 U*	*16 U*	*15 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	NR	NR	11 U	9.5 U	9.5 U	32 U	R
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	NR	NR	11 U	9.5 U	9.5 U	16 U	15 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	5 U	NR	NR	5.5 U	4.8 U	4.7 U	4 U	3.9 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*5 U*	NR	NR	*11 U*	*9.5 U*	*9.5 U*	*8 U*	*7.7 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*4 U*	*3.9 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	5 U	NR	NR	11 U	9.5 U	9.5 U	8 U	7.7 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	5 U	NR	NR	11 U	9.5 U	9.5 U	8 U	7.7 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	5 U	NR	NR	*22 U*	19 UJ	19 UJ	16 U	15 U
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*5 U*	NR	NR	*1.1 U*	*0.95 U*	*0.95 U*	*0.8 U*	*0.77 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*8 U*	*7.7 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*5 U*	NR	NR	*0.55 U*	*0.48 U*	*0.47 U*	*0.4 U*	*0.39 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*8 U*	*7.7 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*5 U*	NR	NR	*2.2 U*	*1.9 U*	*1.9 U*	*1.6 U*	*1.5 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	5 U	NR	NR	5.5 U	4.8 U	4.7 U	4 U	3.9 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	5 U	NR	NR	0.55 U	0.48 U	0.47 U	0.4 U	0.39 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	5 U	NR	NR	2.2 U	1.9 U	1.9 U	1.6 U	1.5 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*10 U*	NR	NR	*11 U*	*9.5 U*	*9.5 U*	*16 U*	*15 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	5 U	NR	NR	5.5 U	4.8 U	4.7 U	4 U	3.9 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	5 U	NR	NR	11 U	9.5 U	9.5 U	8 U	7.7 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	NR	NR	11 U	9.5 U	9.5 U	32 U	31 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	5 U	NR	NR	*11 U*	*9.5 U*	*9.5 U*	*8 U*	*7.7 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	NR	NR	2.2 U	1.9 U	1.9 U	1.6 U	1.5 U
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	R	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*4 UJ*	*3.9 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	*20 U*	NR	NR	*22 U*	*19 U*	*19 U*	*32 U*	*31 UJ*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*8 U*	*7.7 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	NR	NR	11 U	9.5 U	9.5 U	8 U	7.7 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*5 U*	NR	NR	*22 U*	*19 U*	*19 U*	*16 U*	*15 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*10 U*	NR	NR	*11 U*	*9.5 U*	*9.5 U*	*8 U*	*7.7 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*4 U*	*3.9 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	5 U	NR	NR	11 U	9.5 U	9.5 U	8 U	7.7 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*5 U*	NR	NR	*11 U*	*9.5 U*	*9.5 U*	*8 U*	*7.7 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	NR	NR	5.5 U	4.8 U	4.7 U	4 U	3.9 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*5 U*	NR	NR	*11 U*	*9.5 UJ*	*9.5 UJ*	*8 UJ*	*7.7 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	5 U	NR	NR	22 U	19 U	19 U	16 U	15 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	NR	NR	22 U	19 U	19 U	32 U	R
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	5 U	NR	NR	5.5 U	4.8 U	4.7 U	8 U	7.7 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*32 U*	*31 U*
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	5 U	NR	NR	1.1 U	0.95 U	0.95 U	0.8 U	0.77 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	5 U	NR	NR	1.1 U	0.95 U	0.95 U	0.8 U	0.77 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	1 U	NR	NR	5.5 U	4.8 U	4.7 U	4 U	3.9 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*5 UJ*	NR	NR	*22 U*	*19 U*	*19 U*	*16 U*	*15 UJ*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*5 U*	NR	NR	*1.1 U*	*0.95 U*	*0.95 U*	*0.8 U*	*0.77 U*
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*8 U*	*7.7 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*5 U*	NR	NR	*0.22 U*	**0.23**	*0.19 U*	*0.16 U*	*0.15 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08
										Sample Date	5/18/2015	5/18/2015	5/18/2015	2/15/2013	8/20/2013	8/20/2013	3/4/2014	8/14/2014
										Lab Sample ID	1505963-01B	1505963-01C	1505963-01D	510-89011-3	500-61499-1	500-61499-6	500-72568-4	500-82428-5
										Sample Type	TRG	TRG	TRG	TRG	TRG	FD	TRG	TRG
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*5 U*	NR	NR	*0.22 U*	*0.19 U*	*0.19 U*	*0.16 U*	*0.15 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*5 U*	NR	NR	*0.22 U*	*0.19 U*	*0.19 U*	*0.16 U*	*0.15 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	5 U	NR	NR	1.1 U	0.95 U	0.95 U	0.8 U	0.77 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	*5 U*	NR	NR	0.22 U	0.19 U	0.19 U	0.16 U	0.15 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	5 U	NR	NR	*22 U*	*19 U*	*19 U*	*16 U*	*15 UJ*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	5 U	NR	NR	2.2 U	1.9 U	1.9 U	1.6 U	1.5 U
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	5 U	NR	NR	2.2 U	1.9 U	1.9 U	1.6 U	1.5 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*5 U*	NR	NR	*2.2 U*	*1.9 U*	*1.9 U*	*1.6 U*	*1.5 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*5 U*	NR	NR	*11 U*	*9.5 U*	*9.5 U*	*8 U*	*7.7 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	5 U	NR	NR	2.2 U	1.9 U	1.9 U	1.6 U	1.5 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	NR	NR	5.5 U	4.8 U	4.7 U	4 U	3.9 U
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*8 U*	*7.7 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	*5 U*	NR	NR	0.55 U	0.48 U	0.47 U	0.4 U	0.39 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*8 U*	*7.7 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*5 U*	NR	NR	*0.33 U*	*0.29 U*	*0.28 U*	*0.24 U*	*0.23 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	5 UJ	NR	NR	2.2 U	1.9 U	1.9 U	1.6 U	1.5 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	5 U	NR	NR	2.2 U	1.9 U	1.9 U	1.6 U	1.5 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	5 U	NR	NR	2.2 U	1.9 U	1.9 U	1.6 U	1.5 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	5 U	NR	NR	5.5 U	4.8 U	4.7 U	4 U	3.9 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	5 U	NR	NR	11 U	9.5 U	9.5 U	8 U	7.7 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	5 U	NR	NR	5.5 U	4.8 U	4.7 U	8 U	7.7 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	NR	NR	5.5 U	4.8 U	4.7 U	16 U	15 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	*5 UJ*	NR	NR	1.1 U	0.95 U	0.95 U	0.8 U	0.77 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	*5 UJ*	NR	NR	1.1 U	0.95 U	0.95 U	0.8 U	0.77 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*5 U*	NR	NR	*0.55 U*	*0.48 U*	*0.47 U*	*0.4 U*	*0.39 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*4 U*	*3.9 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*5 U*	NR	NR	*22 U*	*19 UJ*	*19 UJ*	*16 U*	*15 UJ*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*4 U*	*3.9 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*60 UX*	NR	NR	*110 U*	*95 U*	*95 U*	*64 U*	*62 UJ*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	NR	NR	22 U	19 U	19 U	16 U	15 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*5 U*	NR	NR	*0.22 U*	*0.19 U*	*0.19 U*	*0.16 U*	*0.15 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	5 U	NR	NR	2.2 U	1.9 U	1.9 U	1.6 U	1.5 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	NR	NR	5.5 U	4.8 U	4.7 U	8 U	7.7 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*4 U*	*3.9 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	NR	NR	44 U	38 U	38 U	32 U	31 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*10 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*32 U*	*31 UJ*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*5 U*	NR	NR	*1.1 U*	*0.95 U*	*0.95 U*	*0.8 U*	*0.77 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*5 U*	NR	NR	*1.1 U*	*0.95 U*	*0.95 U*	*0.8 U*	*0.77 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*16 U*	*15 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*5 U*	NR	NR	*11 U*	*9.5 U*	*9.5 U*	*8 U*	*7.7 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*8 U*	*7.7 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*5 U*	NR	NR	*0.55 U*	*0.48 U*	*0.47 U*	*0.4 U*	*0.39 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	5 U	NR	NR	1.1 U	0.95 U	0.95 U	0.8 U	0.77 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*16 U*	*15 UJ*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*16 U*	*15 UJ*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	5 U	NR	NR	5.5 U	4.8 U	4.7 U	8 U	7.7 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*8 U*	*7.7 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	NR	NR	5.5 U	4.8 U	4.7 U	32 U	31 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*5 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*8 U*	*7.7 U*
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*20 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*8 U*	*7.7 U*
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*10 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*8 U*	*7.7 UJ*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*5 U*	NR	NR	*22 U*	*19 U*	*19 U*	*16 U*	*15 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08
										Sample Date	**5/18/2015**	**5/18/2015**	**5/18/2015**	**2/15/2013**	**8/20/2013**	**8/20/2013**	**3/4/2014**	**8/14/2014**
										Lab Sample ID	**1505963-01B**	**1505963-01C**	**1505963-01D**	**510-89011-3**	**500-61499-1**	**500-61499-6**	**500-72568-4**	**500-82428-5**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**FD**	**TRG**	**TRG**
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	5 U	NR	NR	5.5 U	4.8 U	4.7 U	8 U	7.7 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	*5 UJ*	NR	NR	*1.1 U*	*0.95 U*	*0.95 U*	0.8 U	0.77 U
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	5 U	NR	NR	5.5 U	4.8 U	4.7 U	4 U	3.9 U
Pronamide	23950-59-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	5 U	NR	NR	11 U	9.5 U	9.5 U	8 U	7.7 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*5 U*	NR	NR	*1.1 U*	*0.95 U*	*0.95 U*	*0.8 U*	*0.77 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	10 U	NR	NR	*22 U*	19 UJ	19 UJ	16 U	15 U
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	*5 U*	NR	NR	*11 U*	*9.5 U*	*9.5 U*	*32 U*	*31 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*10 U*	NR	NR	*5.5 U*	*4.8 U*	*4.7 U*	*8 U*	*7.7 U*
General Chemistry																		
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	*5 U*	NR	NR	NR	NR	NR
Total Metals																		
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	NR	*5 U*	NR	*2 U*	*10 U*	*10 U*	*10 U*	*10 U*
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	NR	20	NR	30	31	32	27	40
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	NR	2 U	NR	1 U	2 U	2 U	2 U	2 U
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	NR	0.15 J	NR	1.5 U	10 U	10 U	10 U	10 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	NR	5 U	NR	0.5 U	5 U	5 U	5 U	5 U
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	NR	9.4 J	NR	*15 UJ*	**31**	**33**	**36**	**36**
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	NR	0.2 U	NR	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	NR	1.2 J	NR	1 U	*10 UJ*	*10 UJ*	*10 U*	*10 U*
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	NR	*5 U*	NR	*2 UJ*	*5 U*	*5 U*	*5 U*	*5 U*
Polychlorinated Biphenyls (PCBs)																		
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	0.2 U	NR	NR	*0.54 U*	*0.4 U*	*0.42 U*	*0.39 UJ*	*0.39 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	*0.2 U*	NR	NR	*0.54 U*	*0.4 U*	*0.42 U*	*0.39 U*	*0.39 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	*0.2 U*	NR	NR	*0.54 U*	*0.4 U*	*0.42 U*	*0.39 U*	*0.39 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	*0.2 U*	NR	NR	*0.54 U*	*0.4 U*	*0.42 U*	*0.39 U*	*0.39 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	*0.2 U*	NR	NR	*0.54 U*	*0.4 U*	*0.42 U*	*0.39 U*	*0.39 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	*0.2 U*	NR	NR	*0.54 U*	*0.4 U*	*0.42 U*	*0.39 U*	*0.39 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	*0.2 U*	NR	NR	*0.54 U*	*0.4 UJ*	*0.42 UJ*	*0.39 U*	*0.39 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	0.2 U	NR	NR	*0.54 U*	0.4 U	0.42 U	0.39 U	0.39 U
Volatile Organic Compounds (VOCs)																		
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	NR	NR	NR	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	NR	NR	NR	5 U	5 U	5 U	5 U	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	NR	NR	NR	5 U	5 U	5 U	5 U	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	NR	NR	NR	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	NR	NR	NR	5 U	5 U	5 U	5 U	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	NR	NR	NR	5 U	5 U	5 U	5 U	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	NR	NR	NR	20 U	20 U	20 U	20 U	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	NR	NR	NR	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	NR	NR	NR	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	NR	NR	NR	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW07	CAMU-MW07	CAMU-MW07	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08
										Sample Date	5/18/2015	5/18/2015	5/18/2015	2/15/2013	8/20/2013	8/20/2013	3/4/2014	8/14/2014
										Lab Sample ID	1505963-01B	1505963-01C	1505963-01D	510-89011-3	500-61499-1	500-61499-6	500-72568-4	500-82428-5
										Sample Type	TRG	TRG	TRG	TRG	TRG	FD	TRG	TRG
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	NR	NR	NR	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	NR	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	NR	NR	NR	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	NR	NR	NR	100 U	100 U	100 U	100 U	100 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	NR	NR	NR	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	NR	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	NR	NR	NR	5 U	5 U	5 U	5 U	5 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	NR	NR	NR	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	20 U	20 U	20 U	20 U	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	NR	NR	NR	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	NR	NR	NR	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	NR	NR	NR	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	NR	NR	NR	2 U	2 U	2 U	2 U	2 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	NR	NR	NR	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	NR	NR	NR	1 U	1 U	1 U	1 U	1 U

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Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW09R	CAMU-MW09R
										Sample Date	5/19/2015	5/19/2015	5/19/2015	5/19/2015	8/14/2015	11/9/2015	2/14/2013	8/20/2013
										Lab Sample ID	15051101-03A	15051101-03B	15051101-03C	15051101-03D	1508880-01A	1511505-01A_RA	510-89006-4	500-61499-8
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
Semi-Volatile Organic Compounds (SVOCs)																		
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*2.1 U*	*1.9 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	2.1 U	1.9 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	NR	10 U	NR	NR	NR	NR	5.2 U	4.7 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	2.1 U	1.9 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*2.1 U*	*1.9 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*21 UJ*	*19 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	10 U	9.4 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	NR	NR	10 U	9.4 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	5.2 U	4.7 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*10 U*	*9.4 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	10 U	9.4 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	10 U	9.4 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	*21 U*	19 UJ
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*1 U*	*0.94 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*0.52 U*	*0.47 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*2.1 U*	*1.9 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	5.2 U	4.7 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	0.52 UJ	0.47 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	2.1 U	1.9 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR	NR	NR	*10 UJ*	*9.4 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	5.2 U	4.7 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	10 U	9.4 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	NR	NR	10 U	9.4 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	*10 U*	*9.4 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	2.1 UJ	1.9 U
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	NR	*20 U*	NR	NR	NR	NR	*21 U*	*19 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	10 U	9.4 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*21 U*	*19 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR	NR	NR	*10 U*	*9.4 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	10 U	9.4 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*10 U*	*9.4 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	5.2 U	4.7 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*10 U*	*9.4 UJ*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	21 U	19 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	NR	NR	21 U	19 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	5.2 U	4.7 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	1 U	0.94 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	1 UJ	0.94 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	NR	1 U	NR	NR	NR	NR	5.2 U	4.7 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*21 U*	*19 U*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	NR	0.12 J	NR	NR	NR	NR	*1 UJ*	*0.94 U*
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*0.21 UJ*	*0.19 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW09R	CAMU-MW09R
										Sample Date	**5/19/2015**	**5/19/2015**	**5/19/2015**	**5/19/2015**	**8/14/2015**	**11/9/2015**	**2/14/2013**	**8/20/2013**
										Lab Sample ID	**15051101-03A**	**15051101-03B**	**15051101-03C**	**15051101-03D**	**1508880-01A**	**1511505-01A_RA**	**510-89006-4**	**500-61499-8**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*0.21 U*	*0.19 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*0.21 U*	*0.19 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	1 U	0.94 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	0.21 U	0.19 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	*21 U*	*19 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	2.1 U	1.9 U
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	2.1 U	1.9 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*2.1 U*	*1.9 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*10 U*	*9.4 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	2.1 U	1.9 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	5.2 U	4.7 U
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	0.52 UJ	0.47 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*0.31 U*	*0.28 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	2.1 UJ	1.9 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	2.1 U	1.9 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	2.1 U	1.9 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	5.2 U	4.7 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	10 UJ	9.4 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	5.2 U	4.7 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	5.2 U	4.7 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	1 U	0.94 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	1 U	0.94 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*0.52 U*	*0.47 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*21 U*	*19 UJ*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	NR	*60 UX*	NR	NR	NR	NR	R	*94 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	NR	NR	21 U	19 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*0.21 U*	*0.19 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	2.1 U	1.9 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	NR	NR	5.2 U	4.7 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	NR	NR	41 U	38 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*1 UJ*	*0.94 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*1 U*	*0.94 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*10 UJ*	*9.4 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*0.52 U*	*0.47 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	1 U	0.94 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	5.2 U	4.7 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	NR	NR	5.2 U	4.7 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	NR	*20 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*21 UJ*	*19 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW09R	CAMU-MW09R
										Sample Date	**5/19/2015**	**5/19/2015**	**5/19/2015**	**5/19/2015**	**8/14/2015**	**11/9/2015**	**2/14/2013**	**8/20/2013**
										Lab Sample ID	**15051101-03A**	**15051101-03B**	**15051101-03C**	**15051101-03D**	**1508880-01A**	**1511505-01A_RA**	**510-89006-4**	**500-61499-8**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	5.2 U	4.7 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*1 UJ*	*0.94 U*
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	5.2 U	4.7 U
Pronamide	23950-59-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	NR	5 U	NR	NR	NR	NR	10 U	9.4 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*1 UJ*	*0.94 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	NR	10 U	NR	NR	NR	NR	*21 U*	19 UJ
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	NR	NR	*10 U*	*9.4 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR	NR	NR	*5.2 U*	*4.7 U*
General Chemistry																		
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	*5 U*	NR	NR	*10 U*	*10 U*
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	*5 U*	NR	NR	NR	NR
Total Metals																		
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	NR	NR	*5 U*	NR	NR	NR	**2.6**	*10 U*
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	NR	NR	23	NR	NR	NR	49	63
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	NR	NR	2 U	NR	NR	NR	1 U	2 U
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	NR	NR	5 U	NR	NR	NR	1.5 U	10 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	NR	NR	5 U	NR	NR	NR	0.65	5 U
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	NR	NR	7.2 J	NR	**37**	**24**	*15 UJ*	10 U
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	NR	NR	0.2 U	NR	NR	NR	0.2 U	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	NR	NR	*5 U*	NR	NR	NR	1 U	*10 U*
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	NR	NR	*5 U*	NR	NR	NR	*2 UJ*	*5 U*
Polychlorinated Biphenyls (PCBs)																		
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	NR	0.2 U	NR	NR	NR	NR	*0.51 U*	*0.42 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR	NR	NR	*0.51 U*	*0.42 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR	NR	NR	*0.51 U*	*0.42 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR	NR	NR	*0.51 U*	*0.42 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR	NR	NR	*0.51 U*	*0.42 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR	NR	NR	*0.51 U*	*0.42 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR	NR	NR	*0.51 U*	*0.42 UJ*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	NR	0.2 U	NR	NR	NR	NR	*0.51 U*	0.42 U
Volatile Organic Compounds (VOCs)																		
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	NR	NR	*1 U*	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	NR	NR	*1 U*	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	NR	NR	*1 U*	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	1 U	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	1 U	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	NR	NR	*1 U*	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	NR	NR	*2 U*	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	NR	NR	*1 U*	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	NR	NR	*1 U*	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	NR	NR	*1 U*	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U	NR	NR	NR	NR	NR	5 U	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	NR	NR	*1 U*	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U	NR	NR	NR	NR	NR	5 U	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	NR	NR	*2.5 U*	*2.5 U*
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	5 U	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	10 U	NR	NR	NR	NR	NR	5 U	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	20 U	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*10 U*	NR	NR	NR	NR	NR	*100 U*	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	NR	NR	*20 U*	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	NR	NR	*0.5 U*	*0.5 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW09R	CAMU-MW09R
										Sample Date	**5/19/2015**	**5/19/2015**	**5/19/2015**	**5/19/2015**	**8/14/2015**	**11/9/2015**	**2/14/2013**	**8/20/2013**
										Lab Sample ID	**15051101-03A**	**15051101-03B**	**15051101-03C**	**15051101-03D**	**1508880-01A**	**1511505-01A_RA**	**510-89006-4**	**500-61499-8**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	NR	NR	*1 U*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	1 U	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	1 U	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	5 U	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	NR	NR	*1 U*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	1 U	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	1 UJ	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	NR	NR	*1 U*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	1 U	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	NR	NR	*1 U*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	1 U	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	2.5 U	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	0.5 U	0.5 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	2.5 U	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	0 R	100 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	*2.5 U*	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	2.5 U	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	5 U	NR	NR	NR	NR	NR	5 U	5 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	NR	NR	*10 U*	*10 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	NR	NR	NR	NR	NR	0 R	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	1 U	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	1 U	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	0.5 U	0.5 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	1 U	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*2 U*	NR	NR	NR	NR	NR	*10 U*	*10 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	NR	NR	*0.5 U*	*0.5 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	1 U	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	1 U	NR	NR	NR	NR	NR	2 U	2 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	NR	NR	*0.5 U*	*0.5 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	3 U	NR	NR	NR	NR	NR	1 U	1 U

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-P01R
										Sample Date	**3/3/2014**	**8/18/2014**	**5/19/2015**	**5/19/2015**	**5/19/2015**	**5/19/2015**	**5/19/2015**	**2/14/2013**
										Lab Sample ID	**500-72537-3**	**500-82576-10**	**1505963-17A**	**1505963-17B_RA**	**1505963-17B**	**1505963-17C**	**1505963-17D**	**510-88983-4**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
Semi-Volatile Organic Compounds (SVOCs)																		
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*3.8 U*	*3.9 U*	NR	NR	*10 U*	NR	NR	*5.1 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*1.5 U*	*1.6 U*	NR	NR	*5 U*	NR	NR	*2 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	NR	5 U	NR	NR	2 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	7.6 U	7.8 U	NR	NR	10 U	NR	NR	5.1 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	NR	5 U	NR	NR	2 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*1.5 U*	*1.6 U*	NR	NR	*5 U*	NR	NR	*2 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*15 U*	*16 U*	NR	NR	*5 U*	NR	NR	*20 UJ*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	31 U	31 U	NR	NR	5 U	NR	NR	10 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	15 U	16 U	NR	NR	10 U	NR	NR	10 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	3.8 U	3.9 U	NR	NR	5 U	NR	NR	5.1 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*7.6 U*	*7.8 U*	NR	NR	*5 U*	NR	NR	*10 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*3.8 U*	*3.9 U*	NR	NR	*5 U*	NR	NR	*5.1 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	7.6 U	7.8 U	NR	NR	5 U	NR	NR	10 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	7.6 U	7.8 U	NR	NR	5 U	NR	NR	10 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	15 U	16 U	NR	NR	5 U	NR	NR	*20 U*
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*0.76 U*	*0.78 U*	NR	NR	*5 U*	NR	NR	*1 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*7.6 U*	*7.8 U*	NR	NR	*5 U*	NR	NR	*5.1 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*0.38 U*	*0.39 U*	NR	NR	*5 U*	NR	NR	*0.51 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*7.6 U*	*7.8 U*	NR	NR	*5 U*	NR	NR	*5.1 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*1.5 U*	*1.6 U*	NR	NR	*5 U*	NR	NR	*2 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	3.8 U	3.9 U	NR	NR	5 U	NR	NR	5.1 UJ
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	0.38 U	0.39 U	NR	NR	5 U	NR	NR	0.51 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	NR	5 U	NR	NR	2 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*15 U*	*16 U*	NR	NR	*10 U*	NR	NR	*10 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	3.8 U	3.9 U	NR	NR	5 U	NR	NR	5.1 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	7.6 U	7.8 U	NR	NR	5 U	NR	NR	10 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	31 U	31 U	NR	NR	10 U	NR	NR	10 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*7.6 U*	*7.8 U*	NR	NR	5 U	NR	NR	*10 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	NR	5 U	NR	NR	2 UJ
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*3.8 U*	*3.9 U*	NR	NR	R	NR	NR	*5.1 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	*31 U*	*31 U*	NR	NR	*20 U*	NR	NR	*20 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*7.6 U*	*7.8 U*	NR	NR	*5 U*	NR	NR	*5.1 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	7.6 U	7.8 U	NR	NR	5 U	NR	NR	10 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*15 U*	*16 U*	NR	NR	*5 U*	NR	NR	*20 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*7.6 U*	*7.8 U*	NR	NR	*10 U*	NR	NR	*10 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*3.8 U*	*3.9 U*	NR	NR	*5 U*	NR	NR	*5.1 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	7.6 U	7.8 U	NR	NR	5 U	NR	NR	10 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*7.6 U*	*7.8 U*	NR	NR	*5 U*	NR	NR	*10 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	3.8 U	3.9 U	NR	NR	5 U	NR	NR	5.1 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*7.6 U*	*7.8 U*	NR	NR	*5 U*	NR	NR	*10 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	15 U	16 U	NR	NR	5 U	NR	NR	20 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	31 U	31 U	NR	NR	10 U	NR	NR	20 UJ
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	7.6 U	7.8 U	NR	NR	5 U	NR	NR	5.1 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*31 U*	*31 U*	NR	NR	*5 U*	NR	NR	*5.1 U*
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	0.76 U	0.78 U	NR	NR	5 U	NR	NR	1 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	0.76 U	0.78 U	NR	NR	5 U	NR	NR	1 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	3.8 U	3.9 U	NR	NR	1 U	NR	NR	5.1 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*15 U*	*16 U*	NR	NR	*5 UJ*	NR	NR	*20 U*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*0.76 U*	*0.78 U*	NR	NR	**1.3 J**	NR	NR	*1 U*
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*7.6 U*	*7.8 U*	NR	NR	*5 U*	NR	NR	*5.1 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*0.15 U*	*0.16 U*	NR	NR	*5 U*	NR	NR	*0.2 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-P01R
										Sample Date	3/3/2014	8/18/2014	5/19/2015	5/19/2015	5/19/2015	5/19/2015	5/19/2015	2/14/2013
										Lab Sample ID	500-72537-3	500-82576-10	1505963-17A	1505963-17B_RA	1505963-17B	1505963-17C	1505963-17D	510-88983-4
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*0.15 U*	*0.16 U*	NR	NR	*5 U*	NR	NR	*0.2 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*0.15 U*	*0.16 U*	NR	NR	*5 U*	NR	NR	*0.2 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	0.76 U	0.78 U	NR	NR	5 U	NR	NR	1 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.15 U	0.16 U	NR	NR	*5 U*	NR	NR	0.2 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	*15 U*	*16 U*	NR	NR	5 U	NR	NR	*20 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	NR	5 U	NR	NR	2 U
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	NR	5 U	NR	NR	2 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*1.5 U*	*1.6 U*	NR	NR	*5 U*	NR	NR	*2 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*7.6 U*	*7.8 U*	NR	NR	*5 U*	NR	NR	*10 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	NR	5 U	NR	NR	2 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	3.8 U	3.9 U	NR	NR	5 U	NR	NR	5.1 U
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*7.6 U*	*7.8 U*	NR	NR	*5 U*	NR	NR	*5.1 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.38 U	0.39 U	NR	NR	*5 U*	NR	NR	0.51 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*7.6 U*	*7.8 U*	NR	NR	*5 U*	NR	NR	*5.1 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*0.23 U*	*0.23 U*	NR	NR	*5 U*	NR	NR	*0.31 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	NR	5 UJ	NR	NR	2 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	NR	5 U	NR	NR	2 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	NR	5 U	NR	NR	2 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	3.8 U	3.9 U	NR	NR	2.8 J	NR	NR	5.1 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	7.6 U	7.8 U	NR	NR	5 U	NR	NR	10 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	7.6 U	7.8 U	NR	NR	5 U	NR	NR	5.1 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	15 U	16 U	NR	NR	5 U	NR	NR	5.1 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	0.76 U	0.78 U	NR	NR	*5 UJ*	NR	NR	1 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	0.76 U	0.78 U	NR	NR	*5 UJ*	NR	NR	1 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*0.38 U*	*0.39 U*	NR	NR	*5 U*	NR	NR	*0.51 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*3.8 U*	*3.9 U*	NR	NR	*5 U*	NR	NR	*5.1 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*15 U*	*16 UJ*	NR	NR	*5 U*	NR	NR	*20 U*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*3.8 U*	*3.9 U*	NR	NR	*5 U*	NR	NR	*5.1 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*61 U*	*63 U*	NR	NR	*60 UX*	NR	NR	*100 UJ*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	15 U	16 U	NR	NR	10 U	NR	NR	20 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*0.15 U*	*0.16 U*	NR	NR	*5 U*	NR	NR	*0.2 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	1.5 U	1.6 U	NR	NR	5 U	NR	NR	2 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	7.6 U	7.8 U	NR	NR	10 U	NR	NR	5.1 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*3.8 U*	*3.9 U*	NR	NR	*5 U*	NR	NR	*5.1 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	31 U	31 U	NR	NR	10 U	NR	NR	41 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*31 U*	*31 U*	NR	NR	*10 U*	NR	NR	*5.1 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*0.76 U*	*0.78 U*	NR	NR	*5 U*	NR	NR	*1 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*0.76 U*	*0.78 U*	NR	NR	*5 U*	NR	NR	*1 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*15 U*	*16 U*	NR	NR	*5 U*	NR	NR	*5.1 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*7.6 U*	*7.8 U*	NR	NR	*5 U*	NR	NR	*10 UJ*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*7.6 U*	*7.8 U*	NR	NR	*5 U*	NR	NR	*5.1 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*0.38 U*	*0.39 U*	NR	NR	*5 U*	NR	NR	*0.51 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	0.76 U	0.78 U	NR	NR	5 U	NR	NR	1 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*15 U*	*16 U*	NR	NR	*5 U*	NR	NR	*5.1 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*15 U*	*16 U*	NR	NR	*5 U*	NR	NR	*5.1 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	7.6 U	7.8 U	NR	NR	5 U	NR	NR	5.1 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*7.6 U*	*7.8 U*	NR	NR	*5 U*	NR	NR	*5.1 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	31 U	31 U	NR	NR	10 U	NR	NR	5.1 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*7.6 U*	*7.8 U*	NR	NR	*5 U*	NR	NR	*5.1 U*
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*7.6 U*	*7.8 U*	NR	NR	*20 U*	NR	NR	*5.1 U*
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*7.6 U*	*7.8 U*	NR	NR	*10 U*	NR	NR	*5.1 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*15 U*	*16 U*	NR	NR	*5 U*	NR	NR	*20 UJ*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-P01R
										Sample Date	**3/3/2014**	**8/18/2014**	**5/19/2015**	**5/19/2015**	**5/19/2015**	**5/19/2015**	**5/19/2015**	**2/14/2013**
										Lab Sample ID	**500-72537-3**	**500-82576-10**	**1505963-17A**	**1505963-17B_RA**	**1505963-17B**	**1505963-17C**	**1505963-17D**	**510-88983-4**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	7.6 U	7.8 U	NR	NR	5 U	NR	NR	5.1 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	0.76 U	0.78 U	NR	NR	*5 UJ*	NR	NR	*1 U*
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	3.8 U	3.9 U	NR	NR	5 U	NR	NR	5.1 U
Pronamide	23950-59-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	7.6 U	7.8 U	NR	NR	5 U	NR	NR	10 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*0.76 U*	*0.78 U*	NR	NR	*5 U*	NR	NR	*1 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	15 U	16 U	NR	NR	10 U	NR	NR	20 U
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	*31 U*	*31 U*	NR	NR	*5 U*	NR	NR	*10 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*7.6 U*	*7.8 U*	NR	NR	*10 U*	NR	NR	*5.1 U*
General Chemistry																		
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*10 U*	*10 UJ*	NR	NR	NR	NR	*5 U*	**16**
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	*5 U*	*10 U*
Total Metals																		
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	*10 U*	*10 U*	NR	NR	NR	**2.5 J**	NR	**45**
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	81	49	NR	NR	NR	73	NR	81 J
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	2 U	2 U	NR	NR	NR	2 U	NR	1 U
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	10 U	10 U	NR	NR	NR	0.74 J	NR	1.5 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	5 U	5 U	NR	NR	NR	4.2 J	NR	0.62
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	10 U	10 U	NR	NR	NR	5.2 J	NR	*15 UJ*
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	0.2 U	0.2 U	NR	NR	NR	0.2 U	NR	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	*10 U*	*10 U*	NR	NR	NR	*5 U*	NR	1 U
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	*5 U*	*5 U*	NR	NR	NR	*5 U*	NR	*2 UJ*
Polychlorinated Biphenyls (PCBs)																		
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	*0.41 UJ*	*0.39 U*	NR	0.2 U	NR	NR	NR	*0.53 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	*0.41 U*	*0.39 U*	NR	*0.2 U*	NR	NR	NR	*0.53 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	*0.41 U*	*0.39 U*	NR	*0.2 U*	NR	NR	NR	*0.53 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	*0.41 U*	*0.39 U*	NR	*0.2 U*	NR	NR	NR	*0.53 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	*0.41 U*	*0.39 U*	NR	*0.2 U*	NR	NR	NR	*0.53 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	*0.41 U*	*0.39 U*	NR	*0.2 U*	NR	NR	NR	*0.53 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	*0.41 U*	*0.39 U*	NR	*0.2 U*	NR	NR	NR	*0.53 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	0.41 UJ	0.39 U	NR	0.2 U	NR	NR	NR	*0.53 U*
Volatile Organic Compounds (VOCs)																		
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	NR	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	NR	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U	1 U	1 UJ	NR	NR	NR	NR	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 UJ*	NR	NR	NR	NR	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*2 U*	*2 U*	*1 U*	NR	NR	NR	NR	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U	5 U	5 U	NR	NR	NR	NR	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U	5 U	5 U	NR	NR	NR	NR	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	*1 U*	NR	NR	NR	NR	*2.5 U*
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 U	5 U	1 U	NR	NR	NR	NR	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	5 U	5 U	10 U	NR	NR	NR	NR	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 U	20 U	1 U	NR	NR	NR	NR	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 U*	*100 U*	*10 U*	NR	NR	NR	NR	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 U*	*20 U*	*1 U*	NR	NR	NR	NR	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	**4.5**	*0.5 U*	**0.57 J**	NR	NR	NR	NR	*0.5 U*

Table 2B
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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-P01R
										Sample Date	3/3/2014	8/18/2014	5/19/2015	5/19/2015	5/19/2015	5/19/2015	5/19/2015	2/14/2013
										Lab Sample ID	500-72537-3	500-82576-10	1505963-17A	1505963-17B_RA	1505963-17B	1505963-17C	1505963-17D	510-88983-4
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	NR	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	NR	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 U	5 U	1 U	NR	NR	NR	NR	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	NR	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	NR	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	NR	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	NR	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	NR	NR	NR	NR	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	NR	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	NR	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 U	2.5 U	1 U	NR	NR	NR	NR	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	0.5 U	0.5 U	1 U	NR	NR	NR	NR	0.5 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 U	2.5 U	1 U	NR	NR	NR	NR	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	100 U	100 U	1 U	NR	NR	NR	NR	100 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	1 U	NR	NR	NR	NR	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 U	2.5 U	1 U	NR	NR	NR	NR	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	5 U	5 U	5 U	NR	NR	NR	NR	5 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 U*	*10 U*	*1 U*	NR	NR	NR	NR	*10 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	20 U	10 U	NR	NR	NR	NR	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	NR	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	NR	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	0.5 U	0.5 U	1 U	NR	NR	NR	NR	0.5 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	NR	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	NR	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*10 U*	*10 U*	*2 U*	NR	NR	NR	NR	*10 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR	NR	*0.5 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U	1 U	1 U	NR	NR	NR	NR	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	2 U	2 U	1 U	NR	NR	NR	NR	2 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR	NR	*0.5 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	1 U	1 U	3 U	NR	NR	NR	NR	1 U

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P05
										Sample Date	8/20/2013	3/3/2014	8/18/2014	8/18/2014	5/18/2015	5/18/2015	5/18/2015	5/18/2015	2/15/2013
										Lab Sample ID	500-61539-6	500-72496-2	500-82576-5	500-82576-6	1505963-07A	1505963-07B	1505963-07C	1505963-07D	510-89011-2
										Sample Type	TRG	TRG	TRG	FD	TRG	TRG	TRG	TRG	TRG
Semi-Volatile Organic Compounds (SVOCs)																			
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*4.7 UJ*	*3.7 U*	*3.8 U*	*3.7 U*	NR	*10 U*	NR	NR	*5.2 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*1.9 UJ*	*1.5 U*	*1.5 U*	*1.5 U*	NR	*5 U*	NR	NR	*2.1 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 U	NR	NR	2.1 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	4.7 UJ	7.4 U	7.5 U	7.3 U	NR	10 U	NR	NR	5.2 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 U	NR	NR	2.1 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*1.9 UJ*	*1.5 U*	*1.5 U*	*1.5 U*	NR	*5 U*	NR	NR	*2.1 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*19 UJ*	*15 U*	*15 U*	*15 U*	NR	*5 U*	NR	NR	*21 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	9.5 UJ	29 U	30 U	29 U	NR	5 U	NR	NR	10 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	9.5 UJ	15 U	15 U	15 U	NR	10 U	NR	NR	10 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	4.7 UJ	3.7 U	3.8 U	3.7 U	NR	5 U	NR	NR	5.2 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*9.5 UJ*	*7.4 U*	*7.5 U*	*7.3 U*	NR	*5 U*	NR	NR	*10 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*4.7 UJ*	*3.7 U*	*3.8 U*	*3.7 U*	NR	*5 U*	NR	NR	*5.2 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	9.5 UJ	7.4 U	7.5 U	7.3 U	NR	5 U	NR	NR	10 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	9.5 UJ	7.4 U	7.5 U	7.3 U	NR	5 U	NR	NR	10 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	19 UJ	15 U	15 U	15 U	NR	5 U	NR	NR	*21 U*
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*0.95 UJ*	*0.74 U*	*0.75 U*	*0.73 U*	NR	*5 U*	NR	NR	*1 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*4.7 UJ*	*7.4 U*	*7.5 U*	*7.3 U*	NR	*5 U*	NR	NR	*5.2 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*0.47 UJ*	*0.37 U*	*0.38 U*	*0.37 U*	NR	*5 U*	NR	NR	*0.52 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*4.7 UJ*	*7.4 U*	*7.5 U*	*7.3 U*	NR	*5 U*	NR	NR	*5.2 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*1.9 UJ*	*1.5 U*	*1.5 U*	*1.5 U*	NR	*5 U*	NR	NR	*2.1 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	4.7 UJ	3.7 U	3.8 U	3.7 U	NR	5 U	NR	NR	5.2 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	0.47 UJ	0.37 U	0.38 U	0.37 U	NR	5 U	NR	NR	0.52 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 U	NR	NR	2.1 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*9.5 UJ*	*15 U*	*15 U*	*15 U*	NR	*10 U*	NR	NR	*10 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	4.7 UJ	3.7 U	3.8 U	3.7 U	NR	5 U	NR	NR	5.2 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	9.5 UJ	7.4 U	7.5 U	7.3 U	NR	5 U	NR	NR	10 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	9.5 UJ	29 U	30 U	29 U	NR	10 U	NR	NR	10 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*9.5 UJ*	*7.4 U*	*7.5 U*	*7.3 U*	NR	*5 U*	NR	NR	*10 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 U	NR	NR	2.1 U
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*4.7 UJ*	*3.7 U*	*3.8 U*	*3.7 U*	NR	R	NR	NR	*5.2 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	*19 UJ*	*29 U*	*30 U*	*29 U*	NR	*20 U*	NR	NR	*21 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*4.7 UJ*	*7.4 U*	*7.5 U*	*7.3 U*	NR	*5 U*	NR	NR	*5.2 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	9.5 UJ	7.4 U	7.5 U	7.3 U	NR	5 U	NR	NR	10 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*19 UJ*	*15 U*	*15 U*	*15 U*	NR	*5 U*	NR	NR	*21 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*9.5 UJ*	*7.4 U*	*7.5 U*	*7.3 U*	NR	*10 U*	NR	NR	*10 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*4.7 UJ*	*3.7 U*	*3.8 U*	*3.7 U*	NR	*5 U*	NR	NR	*5.2 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	9.5 UJ	7.4 U	7.5 U	7.3 U	NR	5 U	NR	NR	10 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*9.5 UJ*	*7.4 U*	*7.5 U*	*7.3 U*	NR	*5 U*	NR	NR	*10 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	4.7 UJ	3.7 U	3.8 U	3.7 U	NR	5 U	NR	NR	5.2 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*9.5 UJ*	*7.4 U*	*7.5 U*	*7.3 U*	NR	*5 U*	NR	NR	*10 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	19 UJ	15 U	15 U	15 U	NR	5 U	NR	NR	21 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	19 UJ	29 U	30 U	29 U	NR	10 U	NR	NR	21 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	4.7 UJ	7.4 U	7.5 U	7.3 U	NR	5 U	NR	NR	5.2 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*4.7 UJ*	*29 U*	*30 U*	*29 U*	NR	*5 U*	NR	NR	*5.2 U*
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	0.95 UJ	0.74 U	0.75 U	0.73 U	NR	5 U	NR	NR	1 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	0.95 UJ	0.74 U	0.75 U	0.73 U	NR	5 U	NR	NR	1 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	4.7 UJ	3.7 U	3.8 U	3.7 U	NR	1 U	NR	NR	5.2 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*19 UJ*	*15 U*	*15 U*	*15 U*	NR	*5 UJ*	NR	NR	*21 U*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*0.95 UJ*	*0.74 U*	*0.75 U*	*0.73 U*	NR	*5 U*	NR	NR	*1 U*
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*4.7 UJ*	*7.4 U*	*7.5 U*	*7.3 U*	NR	*5 U*	NR	NR	*5.2 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*0.19 UJ*	*0.15 U*	*0.15 U*	*0.15 U*	NR	*5 U*	NR	NR	*0.21 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P05
										Sample Date	8/20/2013	3/3/2014	8/18/2014	8/18/2014	5/18/2015	5/18/2015	5/18/2015	5/18/2015	2/15/2013
										Lab Sample ID	500-61539-6	500-72496-2	500-82576-5	500-82576-6	1505963-07A	1505963-07B	1505963-07C	1505963-07D	510-89011-2
										Sample Type	TRG	TRG	TRG	FD	TRG	TRG	TRG	TRG	TRG
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*0.19 UJ*	*0.15 U*	*0.15 U*	*0.15 U*	NR	*5 U*	NR	NR	*0.21 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*0.19 UJ*	*0.15 U*	*0.15 U*	*0.15 U*	NR	*5 U*	NR	NR	*0.21 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	0.95 UJ	0.74 U	0.75 U	0.73 U	NR	5 U	NR	NR	1 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.19 UJ	0.15 U	0.15 U	0.15 U	NR	*5 U*	NR	NR	0.21 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	*19 UJ*	*15 U*	*15 U*	*15 U*	NR	5 U	NR	NR	*21 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 U	NR	NR	2.1 U
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 U	NR	NR	2.1 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*1.9 UJ*	*1.5 U*	*1.5 U*	*1.5 U*	NR	*5 U*	NR	NR	*2.1 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*9.5 UJ*	*7.4 U*	*7.5 U*	*7.3 U*	NR	*5 U*	NR	NR	*10 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 U	NR	NR	2.1 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	4.7 UJ	3.7 U	3.8 U	3.7 U	NR	5 U	NR	NR	5.2 U
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*4.7 UJ*	*7.4 U*	*7.5 U*	*7.3 U*	NR	*5 U*	NR	NR	*5.2 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.47 UJ	0.37 U	0.38 U	0.37 U	NR	*5 U*	NR	NR	0.52 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*4.7 UJ*	*7.4 U*	*7.5 U*	*7.3 U*	NR	*5 U*	NR	NR	*5.2 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*0.28 UJ*	*0.22 U*	*0.23 U*	*0.22 U*	NR	*5 U*	NR	NR	*0.31 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 UJ	NR	NR	2.1 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 U	NR	NR	2.1 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 U	NR	NR	2.1 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	4.7 UJ	3.7 U	3.8 U	3.7 U	NR	2.2 J	NR	NR	5.2 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	9.5 UJ	7.4 U	7.5 U	7.3 U	NR	5 U	NR	NR	10 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	4.7 UJ	7.4 U	7.5 U	7.3 U	NR	5 U	NR	NR	5.2 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	4.7 UJ	15 U	15 U	15 U	NR	5 U	NR	NR	5.2 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	0.95 UJ	0.74 U	0.75 U	0.73 U	NR	*5 UJ*	NR	NR	1 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	0.95 UJ	0.74 U	0.75 U	0.73 U	NR	*5 UJ*	NR	NR	1 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*0.47 UJ*	*0.37 U*	*0.38 U*	*0.37 U*	NR	*5 U*	NR	NR	*0.52 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*4.7 UJ*	*3.7 U*	*3.8 U*	*3.7 U*	NR	*5 U*	NR	NR	*5.2 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*19 UJ*	*15 U*	*15 UJ*	*15 UJ*	NR	*5 U*	NR	NR	*21 U*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*4.7 UJ*	*3.7 U*	*3.8 U*	*3.7 U*	NR	*5 U*	NR	NR	*5.2 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*95 UJ*	*59 U*	*60 U*	*59 U*	NR	*60 UX*	NR	NR	*100 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	19 UJ	15 U	15 U	15 U	NR	10 U	NR	NR	21 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*0.19 UJ*	*0.15 U*	*0.15 U*	*0.15 U*	NR	*5 U*	NR	NR	*0.21 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	1.9 UJ	1.5 U	1.5 U	1.5 U	NR	5 U	NR	NR	2.1 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	4.7 UJ	7.4 U	7.5 U	7.3 U	NR	10 U	NR	NR	5.2 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*4.7 UJ*	*3.7 U*	*3.8 U*	*3.7 U*	NR	*5 U*	NR	NR	*5.2 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	38 UJ	29 U	30 U	29 U	NR	10 U	NR	NR	42 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*4.7 UJ*	*29 U*	*30 U*	*29 U*	NR	*10 U*	NR	NR	*5.2 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*0.95 UJ*	*0.74 U*	*0.75 U*	*0.73 U*	NR	*5 U*	NR	NR	*1 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*0.95 UJ*	*0.74 U*	*0.75 U*	*0.73 U*	NR	*5 U*	NR	NR	*1 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*4.7 UJ*	*15 U*	*15 U*	*15 U*	NR	*5 U*	NR	NR	*5.2 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*9.5 UJ*	*7.4 U*	*7.5 U*	*7.3 U*	NR	*5 U*	NR	NR	*10 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*4.7 UJ*	*7.4 U*	*7.5 U*	*7.3 U*	NR	*5 U*	NR	NR	*5.2 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*0.47 UJ*	*0.37 U*	*0.38 U*	*0.37 U*	NR	*5 U*	NR	NR	*0.52 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	0.95 UJ	0.74 U	0.75 U	0.73 U	NR	5 U	NR	NR	1 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*4.7 UJ*	*15 U*	*15 U*	*15 U*	NR	*5 U*	NR	NR	*5.2 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*4.7 UJ*	*15 U*	*15 U*	*15 U*	NR	*5 U*	NR	NR	*5.2 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	4.7 UJ	7.4 U	7.5 U	7.3 U	NR	5 U	NR	NR	5.2 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*4.7 UJ*	*7.4 U*	*7.5 U*	*7.3 U*	NR	*5 U*	NR	NR	*5.2 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	4.7 UJ	29 U	30 U	29 U	NR	10 U	NR	NR	5.2 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*4.7 UJ*	*7.4 U*	*7.5 U*	*7.3 U*	NR	*5 U*	NR	NR	*5.2 U*
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*4.7 UJ*	*7.4 U*	*7.5 U*	*7.3 U*	NR	*20 U*	NR	NR	*5.2 U*
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*4.7 UJ*	*7.4 U*	*7.5 U*	*7.3 U*	NR	*10 U*	NR	NR	*5.2 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*19 UJ*	*15 U*	*15 U*	*15 U*	NR	*5 U*	NR	NR	*21 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P05
										Sample Date	**8/20/2013**	**3/3/2014**	**8/18/2014**	**8/18/2014**	**5/18/2015**	**5/18/2015**	**5/18/2015**	**5/18/2015**	**2/15/2013**
										Lab Sample ID	**500-61539-6**	**500-72496-2**	**500-82576-5**	**500-82576-6**	**1505963-07A**	**1505963-07B**	**1505963-07C**	**1505963-07D**	**510-89011-2**
										Sample Type	**TRG**	**TRG**	**TRG**	**FD**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	4.7 UJ	7.4 U	7.5 U	7.3 U	NR	5 U	NR	NR	5.2 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	*0.95 UJ*	0.74 U	0.75 U	0.73 U	NR	*5 UJ*	NR	NR	*1 U*
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	4.7 UJ	3.7 U	3.8 U	3.7 U	NR	5 U	NR	NR	5.2 U
Pronamide	23950-59-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	9.5 UJ	7.4 U	7.5 U	7.3 U	NR	5 U	NR	NR	10 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*0.95 UJ*	*0.74 U*	*0.75 U*	*0.73 U*	NR	*5 U*	NR	NR	*1 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	19 UJ	15 U	15 U	15 U	NR	10 U	NR	NR	*21 U*
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	*9.5 UJ*	*29 U*	*30 U*	*29 U*	NR	*5 U*	NR	NR	*10 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*4.7 UJ*	*7.4 U*	*7.5 U*	*7.3 U*	NR	*10 U*	NR	NR	*5.2 U*
General Chemistry																			
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*10 U*	**18**	**11 J**	**14 J**	NR	NR	NR	*5 UJ*	*10 U*
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	*10 U*	*10 U*	*10 U*	NR	NR	NR	*5 U*	NR
Total Metals																			
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	**38**	**46**	**36 J**	**38 J**	NR	NR	**40**	NR	**45**
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	71	76 J	72	72	NR	NR	68	NR	300
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	2 U	2 U	2 U	2 U	NR	NR	2 U	NR	1 U
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	10 U	10 U	10 U	10 U	NR	NR	5 U	NR	1.5 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	5 U	5 U	5 U	5 U	NR	NR	5 U	NR	0.5 U
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	10 U	10 U	10 U	10 U	NR	NR	6.8 J	NR	*15 UJ*
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	0.2 U	0.2 U	0.2 U	0.2 U	NR	NR	0.2 U	NR	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	*10 UJ*	*10 U*	*10 U*	*10 U*	NR	NR	*5 U*	NR	1 U
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	*5 U*	*5 U*	*5 U*	*5 U*	NR	NR	*5 U*	NR	*2 UJ*
Polychlorinated Biphenyls (PCBs)																			
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	*0.4 U*	*0.44 UJ*	*0.4 U*	*0.39 U*	NR	0.2 U	NR	NR	*0.53 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	*0.4 U*	*0.44 U*	*0.4 U*	*0.39 U*	NR	*0.2 U*	NR	NR	*0.53 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	*0.4 U*	*0.44 U*	*0.4 U*	*0.39 U*	NR	*0.2 U*	NR	NR	*0.53 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	*0.4 U*	*0.44 U*	*0.4 U*	*0.39 U*	NR	*0.2 U*	NR	NR	*0.53 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	*0.4 U*	*0.44 U*	*0.4 U*	*0.39 U*	NR	*0.2 U*	NR	NR	*0.53 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	*0.4 U*	*0.44 U*	*0.4 U*	*0.39 U*	NR	*0.2 U*	NR	NR	*0.53 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	*0.4 UJ*	*0.44 U*	*0.4 U*	*0.39 U*	NR	*0.2 U*	NR	NR	*0.53 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	0.4 UJ	0.44 U	0.4 U	0.39 U	NR	0.2 U	NR	NR	*0.53 U*
Volatile Organic Compounds (VOCs)																			
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	NR	NR	NR	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*2 U*	*2 U*	*2 U*	*2 U*	*1 U*	NR	NR	NR	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	NR	NR	NR	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	NR	NR	NR	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*1 U*	NR	NR	NR	*2.5 U*
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	1 U	NR	NR	NR	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	10 U	NR	NR	NR	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 U	20 U	20 U	20 U	1 U	NR	NR	NR	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 U*	*100 U*	*100 U*	*100 U*	*10 U*	NR	NR	NR	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 U*	*20 U*	*20 U*	*20 U*	*1 U*	NR	NR	NR	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR	*0.5 U*

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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P01R	CAMU-P05
										Sample Date	8/20/2013	3/3/2014	8/18/2014	8/18/2014	5/18/2015	5/18/2015	5/18/2015	5/18/2015	2/15/2013
										Lab Sample ID	500-61539-6	500-72496-2	500-82576-5	500-82576-6	1505963-07A	1505963-07B	1505963-07C	1505963-07D	510-89011-2
										Sample Type	TRG	TRG	TRG	FD	TRG	TRG	TRG	TRG	TRG
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	1 U	NR	NR	NR	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	2.5 U	1 U	NR	NR	NR	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	0.5 U	0.5 U	0.5 U	0.5 U	1 U	NR	NR	NR	0.5 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	2.5 U	1 U	NR	NR	NR	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	100 U	100 U	100 U	100 U	1 U	NR	NR	NR	100 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	1 U	NR	NR	NR	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	2.5 U	1 U	NR	NR	NR	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	NR	NR	NR	5 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 U*	*10 U*	*10 U*	*10 U*	*1 U*	NR	NR	NR	*10 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	20 U	20 U	20 U	10 U	NR	NR	NR	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	0.5 U	0.5 U	0.5 U	0.5 U	1 U	NR	NR	NR	0.5 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*10 U*	*10 U*	*10 U*	*10 U*	*2 U*	NR	NR	NR	*10 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR	*0.5 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	2 U	2 U	2 U	2 U	1 U	NR	NR	NR	2 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR	*0.5 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	3 U	NR	NR	NR	1 U

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05
											Sample Date	**8/20/2013**	**3/4/2014**	**8/14/2014**	**8/14/2014**	**5/20/2015**	**5/20/2015**	**5/20/2015**	**5/20/2015**
											Lab Sample ID	**500-61499-5**	**500-72568-3**	**500-82428-2**	**500-82428-4**	**15051101-07A**	**15051101-07B**	**15051101-07C_RA**	**15051101-07C**
											Sample Type	**TRG**	**TRG**	**TRG**	**FD**	**TRG**	**TRG**	**TRG**	**TRG**
Semi-Volatile Organic Compounds (SVOCs)																			
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	*4.8 U*	*3.8 U*	*3.7 U*	*3.8 U*	NR	*10 U*	NR	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	*1.9 U*	*1.5 U*	*1.5 U*	*1.5 U*	NR	*5 U*	NR	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	1.9 U	1.5 U	1.5 U	1.5 U	NR	5 U	NR	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	4.8 U	7.7 U	7.4 U	7.6 U	NR	10 U	NR	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	1.9 U	1.5 U	1.5 U	1.5 U	NR	5 U	NR	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	*1.9 U*	*1.5 U*	*1.5 U*	*1.5 U*	NR	*5 U*	NR	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	*19 U*	*15 U*	*15 U*	*15 U*	NR	*5 U*	NR	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	9.5 U	31 U	R	R	NR	5 U	NR	NR
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	9.5 U	15 U	15 U	15 U	NR	10 U	NR	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	4.8 U	3.8 U	3.7 U	3.8 U	NR	5 U	NR	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	*9.5 U*	*7.7 U*	*7.4 U*	*7.6 U*	NR	*5 U*	NR	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	*4.8 U*	*3.8 U*	*3.7 U*	*3.8 U*	NR	*5 U*	NR	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	9.5 U	7.7 U	7.4 U	7.6 U	NR	5 U	NR	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	9.5 U	7.7 U	7.4 U	7.6 U	NR	5 U	NR	NR
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	19 UJ	15 U	15 U	15 U	NR	5 U	NR	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	*0.95 U*	*0.77 U*	*0.74 U*	*0.76 U*	NR	*5 U*	NR	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	*4.8 U*	*7.7 U*	*7.4 U*	*7.6 U*	NR	*5 U*	NR	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	*0.48 U*	*0.38 U*	*0.37 U*	*0.38 U*	NR	*5 U*	NR	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	*4.8 U*	*7.7 U*	*7.4 U*	*7.6 U*	NR	*5 U*	NR	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	*1.9 U*	*1.5 U*	*1.5 U*	*1.5 U*	NR	*5 U*	NR	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	4.8 U	3.8 U	3.7 U	3.8 U	NR	5 U	NR	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	0.48 U	0.38 U	0.37 U	0.38 U	NR	5 U	NR	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	1.9 U	1.5 U	1.5 U	1.5 U	NR	5 U	NR	NR
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	*9.5 U*	*15 U*	*15 U*	*15 U*	NR	*10 U*	NR	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	4.8 U	3.8 U	3.7 U	3.8 U	NR	5 U	NR	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	9.5 U	7.7 U	7.4 U	7.6 U	NR	5 U	NR	NR
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	9.5 U	31 U	30 U	30 U	NR	10 U	NR	NR
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	*9.5 U*	*7.7 U*	*7.4 U*	*7.6 U*	NR	*5 U*	NR	NR
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	1.9 U	1.5 U	1.5 U	1.5 U	NR	5 U	NR	NR
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	*4.8 U*	*3.8 UJ*	*3.7 U*	*3.8 U*	NR	*5 U*	NR	NR
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	*19 U*	*31 U*	*30 UJ*	*30 UJ*	NR	*20 U*	NR	NR
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	*4.8 U*	*7.7 U*	*7.4 U*	*7.6 U*	NR	*5 U*	NR	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	9.5 U	7.7 U	7.4 U	7.6 U	NR	5 U	NR	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	*19 U*	*15 U*	*15 U*	*15 U*	NR	*5 U*	NR	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	*9.5 U*	*7.7 U*	*7.4 U*	*7.6 U*	NR	*10 U*	NR	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	*4.8 U*	*3.8 U*	*3.7 U*	*3.8 U*	NR	*5 U*	NR	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	9.5 U	7.7 U	7.4 U	7.6 U	NR	5 U	NR	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	*9.5 U*	*7.7 U*	*7.4 U*	*7.6 U*	NR	*5 U*	NR	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	4.8 U	3.8 U	3.7 U	3.8 U	NR	5 U	NR	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	*9.5 UJ*	*7.7 UJ*	*7.4 U*	*7.6 U*	NR	*5 U*	NR	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	19 U	15 U	15 U	15 U	NR	5 U	NR	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	19 U	31 U	R	R	NR	10 U	NR	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	4.8 U	7.7 U	7.4 U	7.6 U	NR	5 U	NR	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	*4.8 U*	*31 U*	*30 U*	*30 U*	NR	*5 U*	NR	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	0.95 U	0.77 U	0.74 U	0.76 U	NR	5 U	NR	NR
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	0.95 U	0.77 U	0.74 U	0.76 U	NR	5 U	NR	NR
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	4.8 U	3.8 U	3.7 U	3.8 U	NR	1 U	NR	NR
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	*19 U*	*15 U*	*15 UJ*	*15 UJ*	NR	*5 U*	NR	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	*0.95 U*	*0.77 U*	*0.74 U*	*0.76 U*	NR	*5 U*	NR	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	*4.8 U*	*7.7 U*	*7.4 U*	*7.6 U*	NR	*5 U*	NR	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	*0.19 U*	*0.15 U*	*0.15 U*	*0.15 U*	NR	*5 U*	NR	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05
										Sample Date	8/20/2013	3/4/2014	8/14/2014	8/14/2014	5/20/2015	5/20/2015	5/20/2015	5/20/2015
										Lab Sample ID	500-61499-5	500-72568-3	500-82428-2	500-82428-4	15051101-07A	15051101-07B	15051101-07C_RA	15051101-07C
										Sample Type	TRG	TRG	TRG	FD	TRG	TRG	TRG	TRG
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	*0.19 U*	*0.15 U*	*0.15 U*	*0.15 U*	NR	*5 U*	NR	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	*0.19 U*	*0.15 U*	*0.15 U*	*0.15 U*	NR	*5 U*	NR	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	0.95 U	0.77 U	0.74 U	0.76 U	NR	5 U	NR	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	0.19 U	0.15 U	0.15 U	0.15 U	NR	*5 U*	NR	NR
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	*19 U*	*15 U*	*15 UJ*	*15 UJ*	NR	5 U	NR	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	1.9 U	1.5 U	1.5 U	1.5 U	NR	5 U	NR	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	1.9 U	1.5 U	1.5 U	1.5 U	NR	5 U	NR	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	*1.9 U*	*1.5 U*	*1.5 U*	*1.5 U*	NR	*5 U*	NR	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	*9.5 U*	*7.7 U*	*7.4 U*	*7.6 U*	NR	*5 U*	NR	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	1.9 U	1.5 U	1.5 U	1.5 U	NR	5 U	NR	NR
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	4.8 U	3.8 U	3.7 U	3.8 U	NR	5 U	NR	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*4.8 U*	*7.7 U*	*7.4 U*	*7.6 U*	NR	*5 U*	NR	NR
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	0.48 U	0.38 U	0.37 U	0.38 U	NR	*5 U*	NR	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*4.8 U*	*7.7 U*	*7.4 U*	*7.6 U*	NR	*5 U*	NR	NR
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*0.29 U*	*0.23 U*	*0.22 U*	*0.23 U*	NR	*5 U*	NR	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	1.9 U	1.5 U	1.5 U	1.5 U	NR	5 U	NR	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	1.9 U	1.5 U	1.5 U	1.5 U	NR	5 U	NR	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	1.9 U	1.5 U	1.5 U	1.5 U	NR	5 U	NR	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	4.8 U	3.8 U	3.7 U	3.8 U	NR	5 U	NR	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	9.5 U	7.7 U	7.4 U	7.6 U	NR	5 U	NR	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	4.8 U	7.7 U	7.4 U	7.6 U	NR	5 U	NR	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	4.8 U	15 U	15 U	15 U	NR	5 U	NR	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	0.95 U	0.77 U	0.74 U	0.76 U	NR	*5 U*	NR	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	0.95 U	0.77 U	0.74 U	0.76 U	NR	*5 U*	NR	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	*0.48 U*	*0.38 U*	*0.37 U*	*0.38 U*	NR	*5 U*	NR	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*4.8 U*	*3.8 U*	*3.7 U*	*3.8 U*	NR	*5 U*	NR	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*19 UJ*	*15 U*	*15 UJ*	*15 UJ*	NR	*5 U*	NR	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*4.8 U*	*3.8 U*	*3.7 U*	*3.8 U*	NR	*5 U*	NR	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*95 U*	*61 U*	*59 UJ*	*61 UJ*	NR	*60 UX*	NR	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	19 U	15 U	15 U	15 U	NR	10 U	NR	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*0.19 U*	*0.15 U*	*0.15 U*	*0.15 U*	NR	*5 U*	NR	NR
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	1.9 U	1.5 U	1.5 U	1.5 U	NR	5 U	NR	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	4.8 U	7.7 U	7.4 U	7.6 U	NR	10 U	NR	NR
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	*4.8 U*	*3.8 U*	*3.7 U*	*3.8 U*	NR	*5 U*	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	38 U	31 U	30 U	30 U	NR	10 U	NR	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*4.8 U*	*31 U*	*30 UJ*	*30 UJ*	NR	*10 U*	NR	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*0.95 U*	*0.77 U*	*0.74 U*	*0.76 U*	NR	*5 U*	NR	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*0.95 U*	*0.77 U*	*0.74 U*	*0.76 U*	NR	*5 U*	NR	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*4.8 U*	*15 U*	*15 U*	*15 U*	NR	*5 U*	NR	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*9.5 U*	*7.7 U*	*7.4 U*	*7.6 U*	NR	*5 U*	NR	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*4.8 U*	*7.7 U*	*7.4 U*	*7.6 U*	NR	*5 U*	NR	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	*0.48 U*	*0.38 U*	*0.37 U*	*0.38 U*	NR	*5 U*	NR	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	0.95 U	0.77 U	0.74 U	0.76 U	NR	5 U	NR	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*4.8 U*	*15 U*	*15 UJ*	*15 UJ*	NR	*5 U*	NR	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*4.8 U*	*15 U*	*15 UJ*	*15 UJ*	NR	*5 U*	NR	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	4.8 U	7.7 U	7.4 U	7.6 U	NR	5 U	NR	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*4.8 U*	*7.7 U*	*7.4 U*	*7.6 U*	NR	*5 U*	NR	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	4.8 U	31 U	30 U	30 U	NR	10 U	NR	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*4.8 U*	*7.7 U*	*7.4 U*	*7.6 U*	NR	*5 U*	NR	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*4.8 U*	*7.7 U*	*7.4 U*	*7.6 U*	NR	*20 U*	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*4.8 U*	*7.7 U*	*7.4 UJ*	*7.6 UJ*	NR	*10 U*	NR	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*19 U*	*15 U*	*15 U*	*15 U*	NR	*5 U*	NR	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05
											Sample Date	**8/20/2013**	**3/4/2014**	**8/14/2014**	**8/14/2014**	**5/20/2015**	**5/20/2015**	**5/20/2015**	**5/20/2015**
											Lab Sample ID	**500-61499-5**	**500-72568-3**	**500-82428-2**	**500-82428-4**	**15051101-07A**	**15051101-07B**	**15051101-07C_RA**	**15051101-07C**
											Sample Type	**TRG**	**TRG**	**TRG**	**FD**	**TRG**	**TRG**	**TRG**	**TRG**
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	4.8 U	7.7 U	7.4 U	7.6 U	NR	5 U	NR	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	*0.95 U*	0.77 U	0.74 U	0.76 U	NR	*5 U*	NR	NR
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	4.8 U	3.8 U	3.7 U	3.8 U	NR	5 U	NR	NR
Pronamide	23950-59-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	9.5 U	7.7 U	7.4 U	7.6 U	NR	5 U	NR	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	*0.95 U*	*0.77 U*	*0.74 U*	*0.76 U*	NR	*5 U*	NR	NR
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	19 UJ	15 U	15 U	15 U	NR	10 U	NR	NR
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	*9.5 U*	*31 U*	*30 U*	*30 U*	NR	*5 U*	NR	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	*4.8 U*	*7.7 U*	*7.4 U*	*7.6 U*	NR	*10 U*	NR	NR
General Chemistry																		
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*10 U*	*10 U*	*10 U*	*10 U*	NR	NR	NR	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	NR	NR	NR	NR	NR
Total Metals																		
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	**34**	**11**	**35**	**39**	NR	NR	NR	**40**
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	260	190	260	270	NR	NR	NR	250
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	2 U	2 U	2 U	2 U	NR	NR	NR	2 U
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	10 U	10 U	10 U	10 U	NR	NR	NR	5 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	5 U	5 U	5 U	5 U	NR	NR	NR	5 U
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	10 U	10 U	10 U	10 U	NR	NR	3.6 J	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	0.2 U	0.2 U	0.2 U	0.2 U	NR	NR	NR	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	*10 UJ*	*10 U*	**11 J**	*10 U*	NR	NR	NR	*5 U*
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	*5 U*	*5 U*	*5 U*	*5 U*	NR	NR	NR	*5 U*
Polychlorinated Biphenyls (PCBs)																		
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	*0.38 U*	*0.39 UJ*	*0.4 U*	*0.38 U*	NR	0.2 U	NR	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	*0.38 U*	*0.39 U*	*0.4 U*	*0.38 U*	NR	*0.2 U*	NR	NR
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	*0.38 U*	*0.39 U*	*0.4 U*	*0.38 U*	NR	*0.2 U*	NR	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	*0.38 U*	*0.39 U*	*0.4 U*	*0.38 U*	NR	*0.2 U*	NR	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	*0.38 U*	*0.39 U*	*0.4 U*	*0.38 U*	NR	*0.2 U*	NR	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	*0.38 U*	*0.39 U*	*0.4 U*	*0.38 U*	NR	*0.2 U*	NR	NR
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	*0.38 UJ*	*0.39 U*	*0.4 U*	*0.38 U*	NR	*0.2 U*	NR	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	0.38 U	0.39 U	0.4 U	0.38 U	NR	0.2 U	NR	NR
Volatile Organic Compounds (VOCs)																		
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*2 U*	*2 U*	*2 U*	*2 U*	*1 U*	NR	NR	NR
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	NR	NR	NR
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	NR	NR	NR
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*1 U*	NR	NR	NR
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	1 U	NR	NR	NR
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	10 U	NR	NR	NR
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	20 U	20 U	20 U	20 U	1 U	NR	NR	NR
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*100 U*	*100 U*	*100 U*	*100 U*	*10 U*	NR	NR	NR
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*20 U*	*20 U*	*20 U*	*20 U*	*1 U*	NR	NR	NR
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05
										Sample Date	**8/20/2013**	**3/4/2014**	**8/14/2014**	**8/14/2014**	**5/20/2015**	**5/20/2015**	**5/20/2015**	**5/20/2015**
										Lab Sample ID	**500-61499-5**	**500-72568-3**	**500-82428-2**	**500-82428-4**	**15051101-07A**	**15051101-07B**	**15051101-07C_RA**	**15051101-07C**
										Sample Type	**TRG**	**TRG**	**TRG**	**FD**	**TRG**	**TRG**	**TRG**	**TRG**
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	1 U	NR	NR	NR
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	2.5 U	1 U	NR	NR	NR
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	0.5 U	0.5 U	0.5 U	0.5 U	1 U	NR	NR	NR
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	2.5 U	1 U	NR	NR	NR
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	100 U	100 U	100 U	100 U	1 U	NR	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	1 U	NR	NR	NR
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	2.5 U	2.5 U	2.5 U	2.5 U	1 U	NR	NR	NR
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	5 U	5 U	5 U	5 U	5 U	NR	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*10 U*	*10 U*	*10 U*	*10 U*	*1 U*	NR	NR	NR
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	20 U	20 U	20 U	20 U	10 U	NR	NR	NR
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	0.5 U	0.5 U	0.5 U	0.5 U	1 U	NR	NR	NR
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*10 U*	*10 U*	*10 U*	*10 U*	*2 U*	NR	NR	NR
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	2 U	2 U	2 U	2 U	1 U	NR	NR	NR
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	1 U	1 U	1 U	1 U	3 U	NR	NR	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P05	CAMU-P05	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R
											Sample Date	5/20/2015	8/20/2013	2/14/2013	8/19/2013	3/3/2014	8/18/2014	5/18/2015	5/18/2015	5/18/2015
											Lab Sample ID	15051101-07D	500-61499-5	510-89006-2	500-61451-2	500-72496-4	500-82576-2	1505963-10A	1505963-10B	1505963-10C
											Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
Semi-Volatile Organic Compounds (SVOCs)																					
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 U*	*4.8 U*	*3.7 U*	*3.8 U*	NR	*10 U*	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	NR	*1.9 U*	*2.1 U*	*1.9 U*	*1.5 U*	*1.5 U*	NR	*5 U*	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	NR	1.9 U	2.1 U	1.9 U	1.5 U	1.5 U	NR	5 U	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	NR	4.8 U	5.2 U	4.8 U	7.4 U	7.5 U	NR	10 U	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	NR	1.9 U	2.1 U	1.9 U	1.5 U	1.5 U	NR	5 U	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	NR	*1.9 U*	*2.1 U*	*1.9 U*	*1.5 U*	*1.5 U*	NR	*5 U*	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	NR	*19 U*	*21 UJ*	*19 U*	*15 U*	*15 U*	NR	*5 U*	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	9.5 U	10 U	9.5 U	29 U	30 U	NR	5 U	NR
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	9.5 U	10 UJ	9.5 U	15 U	15 U	NR	10 U	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	NR	4.8 U	5.2 U	4.8 U	3.7 U	3.8 U	NR	5 U	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	NR	*9.5 U*	*10 U*	*9.5 U*	*7.4 U*	*7.5 U*	NR	*5 U*	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 U*	*4.8 U*	*3.7 U*	*3.8 U*	NR	*5 U*	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	NR	9.5 U	10 U	9.5 U	7.4 U	7.5 U	NR	5 U	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	NR	9.5 U	10 U	9.5 U	7.4 U	7.5 U	NR	5 U	NR
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	NR	19 UJ	*21 UJ*	19 U	15 U	15 U	NR	5 U	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	NR	*0.95 U*	*1 U*	*0.95 U*	*0.74 U*	*0.75 U*	NR	*5 U*	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 U*	*4.8 U*	*7.4 U*	*7.5 U*	NR	*5 U*	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	NR	*0.48 U*	*0.52 U*	*0.48 U*	*0.37 U*	*0.38 U*	NR	*5 U*	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 U*	*4.8 U*	*7.4 U*	*7.5 U*	NR	*5 U*	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	NR	*1.9 U*	*2.1 U*	*1.9 U*	*1.5 U*	*1.5 U*	NR	*5 U*	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	NR	4.8 U	5.2 U	4.8 U	3.7 U	3.8 U	NR	5 U	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	NR	0.48 U	0.52 UJ	0.48 U	0.37 U	0.38 U	NR	5 U	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	NR	1.9 U	2.1 U	1.9 U	1.5 U	1.5 U	NR	5 U	NR
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	NR	*9.5 U*	*10 UJ*	*9.5 U*	*15 U*	*15 U*	NR	*10 U*	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	NR	4.8 U	5.2 U	4.8 U	3.7 U	3.8 U	NR	5 U	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	NR	9.5 U	10 U	9.5 U	7.4 U	7.5 U	NR	5 U	NR
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	9.5 U	10 U	9.5 U	29 U	30 U	NR	10 U	NR
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	NR	*9.5 U*	*10 U*	*9.5 U*	*7.4 U*	*7.5 U*	NR	5 U	NR
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	1.9 U	2.1 U	1.9 U	1.5 U	1.5 U	NR	5 U	NR
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 U*	*4.8 U*	*3.7 U*	*3.8 U*	NR	R	NR
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	NR	*19 U*	*21 UJ*	*19 U*	*29 U*	*30 U*	NR	*20 U*	NR
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 U*	*4.8 U*	*7.4 U*	*7.5 U*	NR	*5 U*	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	9.5 U	10 U	9.5 U	7.4 U	7.5 U	NR	5 U	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	NR	*19 U*	*21 U*	*19 U*	*15 U*	*15 U*	NR	*5 U*	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	NR	*9.5 U*	*10 UJ*	*9.5 U*	*7.4 U*	*7.5 U*	NR	*10 U*	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 U*	*4.8 U*	*3.7 U*	*3.8 U*	NR	*5 U*	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	NR	9.5 U	10 U	9.5 U	7.4 U	7.5 U	NR	5 U	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	NR	*9.5 U*	*10 U*	*9.5 U*	*7.4 U*	*7.5 U*	NR	*5 U*	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	4.8 U	5.2 U	4.8 U	3.7 U	3.8 U	NR	5 U	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	NR	*9.5 UJ*	*10 U*	*9.5 UJ*	*7.4 U*	*7.5 U*	NR	*5 U*	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	NR	19 U	21 U	19 UJ	15 U	15 U	NR	5 U	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	19 U	21 U	19 U	29 U	30 U	NR	10 U	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	NR	4.8 U	5.2 U	4.8 U	7.4 U	7.5 U	NR	5 U	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 U*	*4.8 U*	*29 U*	*30 U*	NR	*5 U*	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	NR	0.95 U	1 U	0.95 U	0.74 U	0.75 U	NR	5 U	NR
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	NR	0.95 U	1 U	0.95 UJ	0.74 U	0.75 U	NR	5 U	NR
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	NR	4.8 U	5.2 U	4.8 U	3.7 U	3.8 U	NR	1 U	NR
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	NR	*19 U*	*21 U*	*19 U*	*15 U*	*15 U*	NR	*5 UJ*	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	NR	*0.95 U*	*1 U*	*0.95 UJ*	*0.74 U*	*0.75 U*	NR	*5 U*	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	NR	*4.8 U*	R	*4.8 U*	*7.4 U*	*7.5 U*	NR	*5 U*	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	NR	*0.19 U*	*0.21 U*	*0.19 U*	*0.15 U*	*0.15 U*	NR	*5 U*	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P05	CAMU-P05	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R
										Sample Date	**5/20/2015**	**8/20/2013**	**2/14/2013**	**8/19/2013**	**3/3/2014**	**8/18/2014**	**5/18/2015**	**5/18/2015**	**5/18/2015**
										Lab Sample ID	**15051101-07D**	**500-61499-5**	**510-89006-2**	**500-61451-2**	**500-72496-4**	**500-82576-2**	**1505963-10A**	**1505963-10B**	**1505963-10C**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	NR	*0.19 U*	*0.21 U*	*0.19 U*	*0.15 U*	*0.15 U*	NR	*5 U*	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	NR	*0.19 U*	*0.21 U*	*0.19 U*	*0.15 U*	*0.15 U*	NR	*5 U*	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	NR	0.95 U	1 U	0.95 U	0.74 U	0.75 U	NR	5 U	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	NR	0.19 U	0.21 U	0.19 U	0.15 U	0.15 U	NR	*5 U*	NR
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	NR	*19 U*	*21 U*	*19 U*	*15 U*	*15 U*	NR	5 U	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	NR	1.9 U	2.1 U	1.9 U	1.5 U	1.5 U	NR	5 U	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	NR	1.9 U	2.1 U	1.9 U	1.5 U	1.5 U	NR	5 U	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	NR	*1.9 U*	*2.1 U*	*1.9 UJ*	*1.5 U*	*1.5 U*	NR	*5 U*	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	NR	*9.5 U*	*10 U*	*9.5 U*	*7.4 U*	*7.5 U*	NR	*5 U*	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	NR	1.9 U	2.1 U	1.9 U	1.5 U	1.5 U	NR	5 U	NR
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	4.8 U	5.2 U	4.8 UJ	3.7 U	3.8 U	NR	5 U	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 U*	*4.8 U*	*7.4 U*	*7.5 U*	NR	*5 U*	NR
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	NR	0.48 U	0.52 UJ	0.48 U	0.37 U	0.38 U	NR	*5 U*	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 U*	*4.8 U*	*7.4 U*	*7.5 U*	NR	*5 U*	NR
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	NR	*0.29 U*	*0.31 U*	*0.29 U*	*0.22 U*	*0.23 U*	NR	*5 U*	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	NR	1.9 U	2.1 U	1.9 U	1.5 U	1.5 U	NR	5 UJ	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	NR	1.9 U	2.1 U	1.9 U	1.5 U	1.5 U	NR	5 U	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	NR	1.9 U	2.1 U	1.9 U	1.5 U	1.5 U	NR	5 U	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	NR	4.8 U	5.2 U	4.8 U	3.7 U	3.8 U	NR	2.2 J	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	NR	9.5 U	10 U	9.5 UJ	7.4 U	7.5 U	NR	5 U	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	NR	4.8 U	5.2 U	4.8 U	7.4 U	7.5 U	NR	5 U	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	4.8 U	5.2 U	4.8 U	15 U	15 U	NR	5 U	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	NR	0.95 U	1 U	0.95 U	0.74 U	0.75 U	NR	*5 UJ*	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	NR	0.95 U	1 UJ	0.95 U	0.74 U	0.75 U	NR	*5 UJ*	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	NR	*0.48 U*	*0.52 U*	*0.48 U*	*0.37 U*	*0.38 U*	NR	*5 U*	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 U*	*4.8 U*	*3.7 U*	*3.8 U*	NR	*5 U*	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	NR	*19 UJ*	*21 U*	*19 UJ*	*15 U*	*15 UJ*	NR	*5 U*	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 U*	*4.8 U*	*3.7 U*	*3.8 U*	NR	*5 U*	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	NR	*95 U*	R	*95 U*	*59 U*	*60 U*	NR	*60 UX*	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	19 U	21 U	19 U	15 U	15 U	NR	10 U	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	NR	*0.19 U*	*0.21 U*	*0.19 U*	*0.15 U*	*0.15 U*	NR	*5 U*	NR
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	NR	1.9 U	2.1 U	1.9 U	1.5 U	1.5 U	NR	5 U	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	4.8 U	5.2 U	4.8 U	7.4 U	7.5 U	NR	10 U	NR
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 U*	*4.8 U*	*3.7 U*	*3.8 U*	NR	*5 U*	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	38 U	41 UJ	38 U	29 U	30 U	NR	10 U	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 U*	*4.8 U*	*29 U*	*30 U*	NR	*10 U*	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	NR	*0.95 U*	*1 U*	*0.95 U*	*0.74 U*	*0.75 U*	NR	*5 U*	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	NR	*0.95 U*	*1 U*	*0.95 U*	*0.74 U*	*0.75 U*	NR	*5 U*	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 U*	*4.8 U*	*15 U*	*15 U*	NR	*5 U*	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	NR	*9.5 U*	*10 U*	*9.5 U*	*7.4 U*	*7.5 U*	NR	*5 U*	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 U*	*4.8 U*	*7.4 U*	*7.5 U*	NR	*5 U*	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	NR	*0.48 U*	*0.52 U*	*0.48 U*	*0.37 U*	*0.38 U*	NR	*5 U*	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	NR	0.95 U	1 U	0.95 U	0.74 U	0.75 U	NR	5 U	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 U*	*4.8 U*	*15 U*	*15 U*	NR	*5 U*	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 UJ*	*4.8 U*	*15 U*	*15 U*	NR	*5 U*	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	4.8 U	5.2 UJ	4.8 U	7.4 U	7.5 U	NR	5 U	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 UJ*	*4.8 U*	*7.4 U*	*7.5 U*	NR	*5 U*	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	4.8 U	5.2 U	4.8 U	29 U	30 U	NR	10 U	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 U*	*4.8 U*	*7.4 U*	*7.5 U*	NR	*5 U*	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 U*	*4.8 U*	*7.4 U*	*7.5 U*	NR	*20 U*	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 U*	*4.8 U*	*7.4 U*	*7.5 U*	NR	*10 U*	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	NR	*19 U*	*21 UJ*	*19 UJ*	*15 U*	*15 U*	NR	*5 U*	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P05	CAMU-P05	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R
										Sample Date	**5/20/2015**	**8/20/2013**	**2/14/2013**	**8/19/2013**	**3/3/2014**	**8/18/2014**	**5/18/2015**	**5/18/2015**	**5/18/2015**
										Lab Sample ID	**15051101-07D**	**500-61499-5**	**510-89006-2**	**500-61451-2**	**500-72496-4**	**500-82576-2**	**1505963-10A**	**1505963-10B**	**1505963-10C**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	NR	4.8 U	5.2 U	4.8 U	7.4 U	7.5 U	NR	5 U	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	NR	*0.95 U*	*1 U*	*0.95 UJ*	0.74 U	0.75 U	NR	*5 UJ*	NR
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	NR	4.8 U	5.2 U	4.8 U	3.7 U	3.8 U	NR	5 U	NR
Pronamide	23950-59-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	NR	9.5 U	10 U	9.5 U	7.4 U	7.5 U	NR	5 U	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	NR	*0.95 U*	*1 U*	*0.95 U*	*0.74 U*	*0.75 U*	NR	*5 U*	NR
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	NR	19 UJ	*21 U*	19 U	15 U	15 U	NR	10 U	NR
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	NR	*9.5 U*	*10 U*	*9.5 U*	*29 U*	*30 U*	NR	*5 U*	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	NR	*4.8 U*	*5.2 U*	*4.8 U*	*7.4 U*	*7.5 U*	NR	*10 U*	NR
General Chemistry																			
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*5 U*	*10 U*	**14**	*10 U*	**18**	**10 J**	NR	NR	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*5 U*	NR	*10 U*	NR	*10 U*	*10 U*	NR	NR	NR
Total Metals																			
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	NR	**34**	**53**	**44**	**70**	**43 J**	NR	NR	**46**
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	NR	260	280	270	250 J	240	NR	NR	250
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	NR	2 U	1 U	2 U	2 U	2 U	NR	NR	2 U
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	NR	10 U	1.5 U	10 U	10 U	10 U	NR	NR	5 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	NR	5 U	0.5 U	5 UJ	5 U	5 U	NR	NR	5 U
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	NR	10 U	*15 UJ*	10	10 U	10 U	NR	NR	7.3 J
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	NR	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NR	NR	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	NR	*10 UJ*	1 U	*10 U*	*10 U*	*10 U*	NR	NR	*5 U*
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	NR	*5 U*	*2 UJ*	*5 U*	*5 U*	*5 U*	NR	NR	*5 U*
Polychlorinated Biphenyls (PCBs)																			
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	NR	*0.38 U*	*0.53 U*	*0.41 U*	*0.41 UJ*	*0.39 U*	NR	0.2 U	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	NR	*0.38 U*	*0.53 U*	*0.41 U*	*0.41 U*	*0.39 U*	NR	*0.2 U*	NR
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	NR	*0.38 U*	*0.53 U*	*0.41 U*	*0.41 U*	*0.39 U*	NR	*0.2 U*	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	NR	*0.38 U*	*0.53 U*	*0.41 U*	*0.41 U*	*0.39 U*	NR	*0.2 U*	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	NR	*0.38 U*	*0.53 U*	*0.41 U*	*0.41 U*	*0.39 U*	NR	*0.2 U*	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	NR	*0.38 U*	*0.53 U*	*0.41 U*	*0.41 U*	*0.39 U*	NR	*0.2 U*	NR
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	NR	*0.38 UJ*	*0.53 U*	*0.41 UJ*	*0.41 U*	*0.39 U*	NR	*0.2 U*	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	NR	0.38 U	*0.53 U*	0.41 UJ	0.41 U	0.39 U	NR	0.2 U	NR
Volatile Organic Compounds (VOCs)																			
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR	NR
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR	NR
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR	NR
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	NR	NR
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	NR	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*1 U*	NR	NR
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	NR	5 U	5 U	5 U	5 U	5 U	5 U	NR	NR
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	NR	5 U	5 U	5 U	5 U	5 U	5 U	NR	NR
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	NR	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*1 U*	NR	NR
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	NR	5 U	5 U	5 U	5 U	5 U	1 U	NR	NR
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	NR	5 U	5 U	5 U	5 U	5 U	10 U	NR	NR
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	NR	20 U	20 U	20 U	20 U	20 U	1 U	NR	NR
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	NR	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*	*10 U*	NR	NR
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	NR	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*1 U*	NR	NR
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	NR	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P05	CAMU-P05	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R	CAMU-P06R
										Sample Date	5/20/2015	8/20/2013	2/14/2013	8/19/2013	3/3/2014	8/18/2014	5/18/2015	5/18/2015	5/18/2015
										Lab Sample ID	15051101-07D	500-61499-5	510-89006-2	500-61451-2	500-72496-4	500-82576-2	1505963-10A	1505963-10B	1505963-10C
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR	NR
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR	NR
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	NR	5 U	5 U	5 U	5 U	5 U	1 U	NR	NR
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR	NR
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	NR	1 U	1 UJ	1 U	1 U	1 U	1 U	NR	NR
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR	NR
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR	NR
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR	NR
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR	NR
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	NR	NR
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	NR	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	NR	NR
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	NR	NR
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	NR	100 U	0 R	100 U	100 U	100 U	1 U	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	NR	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	1 U	NR	NR
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	NR	NR
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	NR	5 U	5 U	5 U	5 U	5 U	5 U	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	NR	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*1 U*	NR	NR
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	20 U	0 R	20 U	20 U	20 U	10 U	NR	NR
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR	NR
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR	NR
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	NR	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	NR	NR
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR	NR
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR	NR
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	NR	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*2 U*	NR	NR
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	NR	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR	NR
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	1 U	NR	NR
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	NR	2 U	2 U	2 U	2 U	2 U	1 U	NR	NR
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	NR	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR	NR
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	3 U	NR	NR

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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P06R	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07
										Sample Date	5/18/2015	2/14/2013	8/20/2013	3/3/2014	8/18/2014	5/18/2015	5/18/2015	5/18/2015	5/18/2015
										Lab Sample ID	1505963-10D	510-88983-2	500-61539-2	500-72496-8	500-82576-8	1505963-02A	1505963-02B	1505963-02C	1505963-02D
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
Semi-Volatile Organic Compounds (SVOCs)																			
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*3.7 U*	*3.9 U*	NR	*10 U*	NR	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	NR	*2.1 U*	*1.9 UJ*	*1.5 U*	*1.5 U*	NR	*5 U*	NR	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	NR	2.1 U	1.9 UJ	1.5 U	1.5 U	NR	5 U	NR	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	NR	5.3 U	4.7 UJ	7.4 U	7.7 U	NR	10 U	NR	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	NR	2.1 U	1.9 UJ	1.5 U	1.5 U	NR	5 U	NR	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	NR	*2.1 U*	*1.9 UJ*	*1.5 U*	*1.5 U*	NR	*5 U*	NR	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	NR	*21 UJ*	*19 UJ*	*15 U*	*15 U*	NR	*5 U*	NR	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	11 U	9.5 UJ	30 U	31 U	NR	5 U	NR	NR
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	11 U	9.5 UJ	15 U	15 U	NR	10 U	NR	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	NR	5.3 U	4.7 UJ	3.7 U	3.9 U	NR	5 U	NR	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	NR	*11 U*	*9.5 UJ*	*7.4 U*	*7.7 U*	NR	*5 U*	NR	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*3.7 U*	*3.9 U*	NR	*5 U*	NR	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	NR	11 U	9.5 UJ	7.4 U	7.7 U	NR	5 U	NR	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	NR	11 U	9.5 UJ	7.4 U	7.7 U	NR	5 U	NR	NR
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	NR	*21 U*	19 UJ	15 U	15 U	NR	5 U	NR	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	NR	*1.1 U*	*0.95 UJ*	*0.74 U*	*0.77 U*	NR	*5 U*	NR	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*7.4 U*	*7.7 U*	NR	*5 U*	NR	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	NR	*0.53 U*	*0.47 UJ*	*0.37 U*	*0.39 U*	NR	*5 U*	NR	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*7.4 U*	*7.7 U*	NR	*5 U*	NR	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	NR	*2.1 U*	*1.9 UJ*	*1.5 U*	*1.5 U*	NR	*5 U*	NR	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	NR	5.3 UJ	4.7 UJ	3.7 U	3.9 U	NR	5 U	NR	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	NR	0.53 U	0.47 UJ	0.37 U	0.39 U	NR	5 U	NR	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	NR	2.1 U	1.9 UJ	1.5 U	1.5 U	NR	5 U	NR	NR
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	NR	*11 U*	*9.5 UJ*	*15 U*	*15 U*	NR	*10 U*	NR	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	NR	5.3 U	4.7 UJ	3.7 U	3.9 U	NR	5 U	NR	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	NR	11 U	9.5 UJ	7.4 U	7.7 U	NR	5 U	NR	NR
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	11 U	9.5 UJ	30 U	31 U	NR	10 U	NR	NR
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	NR	*11 U*	*9.5 UJ*	*7.4 U*	*7.7 U*	NR	5 U	NR	NR
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	2.1 UJ	1.9 UJ	1.5 U	1.5 U	NR	5 U	NR	NR
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*3.7 U*	*3.9 U*	NR	R	NR	NR
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	NR	*21 U*	*19 UJ*	*30 U*	*31 U*	NR	*20 U*	NR	NR
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*7.4 U*	*7.7 U*	NR	*5 U*	NR	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	11 U	9.5 UJ	7.4 U	7.7 U	NR	5 U	NR	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	NR	*21 U*	*19 UJ*	*15 U*	*15 U*	NR	*5 U*	NR	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	NR	*11 U*	*9.5 UJ*	*7.4 U*	*7.7 U*	NR	*10 U*	NR	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*3.7 U*	*3.9 U*	NR	*5 U*	NR	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	NR	11 U	9.5 UJ	7.4 U	7.7 U	NR	5 U	NR	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	NR	*11 U*	*9.5 UJ*	*7.4 U*	*7.7 U*	NR	*5 U*	NR	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5.3 U	4.7 UJ	3.7 U	3.9 U	NR	5 U	NR	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	NR	*11 U*	*9.5 UJ*	*7.4 U*	*7.7 U*	NR	*5 U*	NR	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	NR	21 U	19 UJ	15 U	15 U	NR	5 U	NR	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	21 UJ	19 UJ	30 U	31 U	NR	10 U	NR	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	NR	5.3 U	4.7 UJ	7.4 U	7.7 U	NR	5 U	NR	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*30 U*	*31 U*	NR	*5 U*	NR	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	NR	1.1 U	0.95 UJ	0.74 U	0.77 U	NR	5 U	NR	NR
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	NR	1.1 U	0.95 UJ	0.74 U	0.77 U	NR	5 U	NR	NR
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	NR	5.3 U	4.7 UJ	3.7 U	3.9 U	NR	1 U	NR	NR
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	NR	*21 U*	*19 UJ*	*15 U*	*15 U*	NR	*5 UJ*	NR	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	NR	*1.1 U*	*0.95 UJ*	*0.74 U*	*0.77 U*	NR	*5 U*	NR	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*7.4 U*	*7.7 U*	NR	*5 U*	NR	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	NR	*0.21 U*	*0.19 UJ*	*0.15 U*	*0.15 U*	NR	*5 U*	NR	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P06R	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07
										Sample Date	5/18/2015	2/14/2013	8/20/2013	3/3/2014	8/18/2014	5/18/2015	5/18/2015	5/18/2015	5/18/2015
										Lab Sample ID	1505963-10D	510-88983-2	500-61539-2	500-72496-8	500-82576-8	1505963-02A	1505963-02B	1505963-02C	1505963-02D
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	NR	*0.21 U*	*0.19 UJ*	*0.15 U*	*0.15 U*	NR	*5 U*	NR	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	NR	*0.21 U*	*0.19 UJ*	*0.15 U*	*0.15 U*	NR	*5 U*	NR	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	NR	1.1 U	0.95 UJ	0.74 U	0.77 U	NR	5 U	NR	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	NR	0.21 U	0.19 UJ	0.15 U	0.15 U	NR	*5 U*	NR	NR
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	NR	*21 U*	*19 UJ*	*15 U*	*15 U*	NR	5 U	NR	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	NR	2.1 U	1.9 UJ	1.5 U	1.5 U	NR	5 U	NR	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	NR	2.1 U	1.9 UJ	1.5 U	1.5 U	NR	5 U	NR	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	NR	*2.1 U*	*1.9 UJ*	*1.5 U*	*1.5 U*	NR	*5 U*	NR	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	NR	*11 U*	*9.5 UJ*	*7.4 U*	*7.7 U*	NR	*5 U*	NR	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	NR	2.1 U	1.9 UJ	1.5 U	1.5 U	NR	5 U	NR	NR
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5.3 U	4.7 UJ	3.7 U	3.9 U	NR	5 U	NR	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*7.4 U*	*7.7 U*	NR	*5 U*	NR	NR
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	NR	0.53 U	0.47 UJ	0.37 U	0.39 U	NR	*5 U*	NR	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*7.4 U*	*7.7 U*	NR	*5 U*	NR	NR
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	NR	*0.32 U*	*0.28 UJ*	*0.22 U*	*0.23 U*	NR	*5 U*	NR	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	NR	2.1 U	1.9 UJ	1.5 U	1.5 U	NR	5 UJ	NR	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	NR	2.1 U	1.9 UJ	1.5 U	1.5 U	NR	5 U	NR	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	NR	2.1 U	1.9 UJ	1.5 U	1.5 U	NR	5 U	NR	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	NR	5.3 U	4.7 UJ	3.7 U	3.9 U	NR	5 UJ	NR	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	NR	11 U	9.5 UJ	7.4 U	7.7 U	NR	5 U	NR	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	NR	5.3 U	4.7 UJ	7.4 U	7.7 U	NR	5 U	NR	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5.3 U	4.7 UJ	15 U	15 U	NR	5 U	NR	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	NR	1.1 U	0.95 UJ	0.74 U	0.77 U	NR	*5 UJ*	NR	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	NR	1.1 U	0.95 UJ	0.74 U	0.77 U	NR	*5 UJ*	NR	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	NR	*0.53 U*	*0.47 UJ*	*0.37 U*	*0.39 U*	NR	*5 U*	NR	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*3.7 U*	*3.9 U*	NR	*5 U*	NR	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	NR	*21 U*	*19 UJ*	*15 U*	*15 UJ*	NR	*5 U*	NR	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*3.7 U*	*3.9 U*	NR	*5 U*	NR	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	NR	*110 UJ*	*95 UJ*	*59 U*	*62 U*	NR	*60 UX*	NR	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	21 U	19 UJ	15 U	15 U	NR	10 U	NR	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	NR	*0.21 U*	*0.19 UJ*	*0.15 U*	*0.15 U*	NR	*5 U*	NR	NR
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	NR	2.1 U	1.9 UJ	1.5 U	1.5 U	NR	5 U	NR	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5.3 U	4.7 UJ	7.4 U	7.7 U	NR	10 U	NR	NR
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*3.7 U*	*3.9 U*	NR	*5 U*	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	42 U	38 UJ	30 U	31 U	NR	10 U	NR	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*30 U*	*31 U*	NR	*10 U*	NR	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	NR	*1.1 U*	*0.95 UJ*	*0.74 U*	*0.77 U*	NR	*5 U*	NR	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	NR	*1.1 U*	*0.95 UJ*	*0.74 U*	*0.77 U*	NR	*5 U*	NR	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*15 U*	*15 U*	NR	*5 U*	NR	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	NR	*11 UJ*	*9.5 UJ*	*7.4 U*	*7.7 U*	NR	*5 U*	NR	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*7.4 U*	*7.7 U*	NR	*5 U*	NR	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	NR	*0.53 U*	*0.47 UJ*	*0.37 U*	*0.39 U*	NR	*5 U*	NR	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	NR	1.1 U	0.95 UJ	0.74 U	0.77 U	NR	5 U	NR	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*15 U*	*15 U*	NR	*5 U*	NR	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*15 U*	*15 U*	NR	*5 U*	NR	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5.3 U	4.7 UJ	7.4 U	7.7 U	NR	5 U	NR	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*7.4 U*	*7.7 U*	NR	*5 U*	NR	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5.3 U	4.7 UJ	30 U	31 U	NR	10 U	NR	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*7.4 U*	*7.7 U*	NR	*5 U*	NR	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*7.4 U*	*7.7 U*	NR	*20 U*	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*7.4 U*	*7.7 U*	NR	*10 U*	NR	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	NR	*21 UJ*	*19 UJ*	*15 U*	*15 U*	NR	*5 U*	NR	NR

Table 2B
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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P06R	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07
										Sample Date	5/18/2015	2/14/2013	8/20/2013	3/3/2014	8/18/2014	5/18/2015	5/18/2015	5/18/2015	5/18/2015
										Lab Sample ID	1505963-10D	510-88983-2	500-61539-2	500-72496-8	500-82576-8	1505963-02A	1505963-02B	1505963-02C	1505963-02D
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	NR	5.3 U	4.7 UJ	7.4 U	7.7 U	NR	5 U	NR	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	NR	*1.1 U*	*0.95 UJ*	0.74 U	0.77 U	NR	*5 UJ*	NR	NR
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	NR	5.3 U	4.7 UJ	3.7 U	3.9 U	NR	5 U	NR	NR
Pronamide	23950-59-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	NR	11 U	9.5 UJ	7.4 U	7.7 U	NR	5 U	NR	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	NR	*1.1 U*	*0.95 UJ*	*0.74 U*	*0.77 U*	NR	*5 U*	NR	NR
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	NR	*21 U*	19 UJ	15 U	15 U	NR	10 U	NR	NR
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	NR	*11 U*	*9.5 UJ*	*30 U*	*31 U*	NR	*5 U*	NR	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	NR	*5.3 U*	*4.7 UJ*	*7.4 U*	*7.7 U*	NR	*10 U*	NR	NR
General Chemistry																			
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*5 UJ*	**17**	*10 U*	**12**	**11 J**	NR	NR	NR	*5 U*
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	*5 U*	*10 U*	NR	*10 U*	*10 U*	NR	NR	NR	*5 U*
Total Metals																			
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	NR	**44**	**36**	**45**	**40 J**	NR	NR	**42**	NR
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	NR	130 J	97	100 J	120	NR	NR	110	NR
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	NR	1 U	2 U	2 U	2 U	NR	NR	2 U	NR
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	NR	1.5 U	10 U	10 U	10 U	NR	NR	5 UJ	NR
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	NR	0.5 U	5 U	5 U	5 U	NR	NR	5 U	NR
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	NR	*15 U*	12	12	14	NR	NR	14	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	NR	0.2 U	0.2 U	0.2 U	0.2 U	NR	NR	0.2 U	NR
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	NR	1 U	*10 UJ*	*10 U*	*10 U*	NR	NR	*5 U*	NR
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	NR	*2 U*	*5 U*	*5 U*	*5 U*	NR	NR	*5 U*	NR
Polychlorinated Biphenyls (PCBs)																			
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	NR	*0.53 U*	*0.4 U*	*0.39 UJ*	*0.38 U*	NR	0.2 U	NR	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	NR	*0.53 U*	*0.4 U*	*0.39 U*	*0.38 U*	NR	*0.2 U*	NR	NR
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	NR	*0.53 U*	*0.4 U*	*0.39 U*	*0.38 U*	NR	*0.2 U*	NR	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	NR	*0.53 U*	*0.4 U*	*0.39 U*	*0.38 U*	NR	*0.2 U*	NR	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	NR	*0.53 U*	*0.4 U*	*0.39 U*	*0.38 U*	NR	*0.2 U*	NR	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	NR	*0.53 U*	*0.4 U*	*0.39 U*	*0.38 U*	NR	*0.2 U*	NR	NR
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	NR	*0.53 U*	*0.4 UJ*	*0.39 U*	*0.38 U*	NR	*0.2 U*	NR	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	NR	*0.53 U*	0.4 UJ	0.39 U	0.38 U	NR	0.2 U	NR	NR
Volatile Organic Compounds (VOCs)																			
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 UJ*	NR	NR	NR
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	NR	*2 U*	*2 U*	*2 U*	*2 U*	*1 U*	NR	NR	NR
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	NR	5 U	5 U	5 U	5 U	5 U	NR	NR	NR
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	NR	5 U	5 U	5 U	5 U	5 U	NR	NR	NR
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	NR	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*1 U*	NR	NR	NR
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	NR	5 U	5 U	5 U	5 U	1 U	NR	NR	NR
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	NR	5 U	5 U	5 U	5 U	10 U	NR	NR	NR
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	NR	20 U	20 U	20 U	20 U	1 U	NR	NR	NR
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	NR	*100 U*	*100 U*	*100 U*	*100 U*	*10 U*	NR	NR	NR
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	NR	*20 U*	*20 U*	*20 U*	*20 U*	*1 U*	NR	NR	NR
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	NR	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P06R	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07
										Sample Date	5/18/2015	2/14/2013	8/20/2013	3/3/2014	8/18/2014	5/18/2015	5/18/2015	5/18/2015	5/18/2015
										Lab Sample ID	1505963-10D	510-88983-2	500-61539-2	500-72496-8	500-82576-8	1505963-02A	1505963-02B	1505963-02C	1505963-02D
										Sample Type	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	NR	5 U	5 U	5 U	5 U	1 U	NR	NR	NR
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	NR	NR	NR
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	NR	2.5 U	2.5 U	2.5 U	2.5 U	1 U	NR	NR	NR
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	NR	0.5 U	0.5 U	0.5 U	0.5 U	1 U	NR	NR	NR
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	2.5 U	2.5 U	2.5 U	2.5 U	1 U	NR	NR	NR
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	NR	100 U	100 U	100 U	100 U	1 U	NR	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	NR	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	1 U	NR	NR	NR
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	NR	2.5 U	2.5 U	2.5 U	2.5 U	1 U	NR	NR	NR
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	NR	5 U	5 U	5 U	5 U	5 U	NR	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	NR	*10 U*	*10 U*	*10 U*	*10 U*	*1 U*	NR	NR	NR
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	20 U	20 U	20 U	20 U	10 U	NR	NR	NR
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	NR	0.5 U	0.5 U	0.5 U	0.5 U	1 U	NR	NR	NR
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	NR	*10 U*	*10 U*	*10 U*	*10 U*	*2 U*	NR	NR	NR
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	NR	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	1 U	NR	NR	NR
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	NR	2 U	2 U	2 U	2 U	1 U	NR	NR	NR
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	NR	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	NR	NR	NR
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	NR	1 U	1 U	1 U	1 U	3 U	NR	NR	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08
										Sample Date	5/18/2015	5/18/2015	5/18/2015	5/18/2015	2/15/2013	2/15/2013	8/20/2013	3/4/2014	8/14/2014
										Lab Sample ID	1505963-03A	1505963-03B	1505963-03C	1505963-03D	510-89011-4	510-89011-5	500-61499-2	500-72568-5	500-82428-6
										Sample Type	FD	FD	FD	FD	TRG	FD	TRG	TRG	TRG
Semi-Volatile Organic Compounds (SVOCs)																			
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*3.7 U*	*3.9 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*2.1 U*	*2.1 U*	*1.9 U*	*1.5 U*	*1.6 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	NR	5 U	NR	NR	2.1 U	2.1 U	1.9 U	1.5 U	1.6 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	NR	10 U	NR	NR	5.3 U	5.3 U	4.7 U	7.5 U	7.8 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	2.1 U	2.1 U	1.9 U	1.5 U	1.6 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*2.1 U*	*2.1 U*	*1.9 U*	*1.5 U*	*1.6 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*21 U*	*21 U*	*19 U*	*15 U*	*16 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	11 U	11 U	9.5 U	30 U	R
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	11 U	11 U	9.5 U	15 U	16 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.3 U	5.3 UJ	4.7 U	3.7 U	3.9 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*11 U*	*11 UJ*	*9.5 U*	*7.5 U*	*7.8 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.3 U*	*5.3 UJ*	*4.7 U*	*3.7 U*	*3.9 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	NR	5 U	NR	NR	11 U	11 UJ	9.5 U	7.5 U	7.8 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	NR	5 U	NR	NR	11 U	11 UJ	9.5 U	7.5 U	7.8 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	NR	5 U	NR	NR	*21 U*	*21 UJ*	19 UJ	15 U	16 U
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*1.1 U*	*1.1 U*	*0.95 U*	*0.75 U*	*0.78 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.3 U*	*5.3 UJ*	*4.7 U*	*7.5 U*	*7.8 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*0.53 U*	*0.53 U*	*0.47 U*	*0.37 U*	*0.39 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*7.5 U*	*7.8 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*2.1 U*	*2.1 U*	*1.9 U*	*1.5 U*	*1.6 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.3 U	5.3 UJ	4.7 U	3.7 U	3.9 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	NR	5 U	NR	NR	0.53 U	0.53 U	0.47 U	0.37 U	0.39 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	NR	5 U	NR	NR	2.1 U	2.1 UJ	1.9 U	1.5 U	1.6 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR	*11 U*	*11 U*	*9.5 U*	*15 U*	*16 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.3 U	5.3 U	4.7 U	3.7 U	3.9 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	11 U	11 UJ	9.5 U	7.5 U	7.8 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	11 U	11 U	9.5 U	30 U	31 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	NR	5 U	NR	NR	*11 U*	*11 UJ*	*9.5 U*	*7.5 U*	*7.8 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	2.1 U	2.1 UJ	1.9 U	1.5 U	1.6 U
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	NR	R	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*3.7 UJ*	*3.9 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	NR	*20 U*	NR	NR	*21 U*	*21 U*	*19 U*	*30 U*	*31 UJ*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*7.5 U*	*7.8 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	11 U	11 U	9.5 U	7.5 U	7.8 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*21 U*	*21 UJ*	*19 U*	*15 U*	*16 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR	*11 U*	*11 U*	*9.5 U*	*7.5 U*	*7.8 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*3.7 U*	*3.9 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	NR	5 U	NR	NR	11 U	11 UJ	9.5 U	7.5 U	7.8 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*11 U*	*11 U*	*9.5 U*	*7.5 U*	*7.8 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.3 U	5.3 U	4.7 U	3.7 U	3.9 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*11 U*	*11 U*	*9.5 UJ*	*7.5 UJ*	*7.8 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	21 U	21 UJ	19 U	15 U	16 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	21 U	21 U	19 U	30 U	R
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.3 U	5.3 U	4.7 U	7.5 U	7.8 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*30 U*	*31 U*
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	NR	5 U	NR	NR	1.1 U	1.1 U	0.95 U	0.75 U	0.78 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	NR	5 U	NR	NR	1.1 U	1.1 U	0.95 U	0.75 U	0.78 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	NR	1 U	NR	NR	5.3 U	5.3 U	4.7 U	3.7 U	3.9 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	NR	*5 UJ*	NR	NR	*21 U*	*21 U*	*19 U*	*15 U*	*16 UJ*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*1.1 U*	*1.1 U*	*0.95 U*	*0.75 U*	*0.78 U*
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*7.5 U*	*7.8 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*0.21 U*	*0.21 U*	*0.19 U*	*0.15 U*	*0.16 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08
										Sample Date	5/18/2015	5/18/2015	5/18/2015	5/18/2015	2/15/2013	2/15/2013	8/20/2013	3/4/2014	8/14/2014
										Lab Sample ID	1505963-03A	1505963-03B	1505963-03C	1505963-03D	510-89011-4	510-89011-5	500-61499-2	500-72568-5	500-82428-6
										Sample Type	FD	FD	FD	FD	TRG	FD	TRG	TRG	TRG
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*0.21 U*	*0.21 U*	*0.19 U*	*0.15 U*	*0.16 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*0.21 U*	*0.21 U*	*0.19 U*	*0.15 U*	*0.16 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	1.1 U	1.1 U	0.95 U	0.75 U	0.78 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	0.21 U	0.21 U	0.19 U	0.15 U	0.16 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	NR	5 U	NR	NR	*21 U*	*21 UJ*	*19 U*	*15 U*	*16 UJ*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	NR	5 U	NR	NR	2.1 U	2.1 U	1.9 U	1.5 U	1.6 U
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	NR	5 U	NR	NR	2.1 U	2.1 U	1.9 U	1.5 U	1.6 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*2.1 U*	*2.1 U*	*1.9 U*	*1.5 U*	*1.6 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*11 U*	*11 U*	*9.5 U*	*7.5 U*	*7.8 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	NR	5 U	NR	NR	2.1 U	2.1 U	1.9 U	1.5 U	1.6 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.3 U	5.3 U	4.7 U	3.7 U	3.9 U
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*7.5 U*	*7.8 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	0.53 U	0.53 U	0.47 U	0.37 U	0.39 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*7.5 U*	*7.8 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*0.32 U*	*0.32 U*	*0.28 U*	*0.22 U*	*0.23 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	NR	5 UJ	NR	NR	2.1 U	2.1 U	1.9 U	1.5 U	1.6 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	NR	5 U	NR	NR	2.1 U	2.1 U	1.9 U	1.5 U	1.6 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	2.1 U	2.1 U	1.9 U	1.5 U	1.6 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	NR	2.7 J	NR	NR	5.3 U	5.3 U	4.7 U	3.7 U	3.9 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	NR	5 U	NR	NR	11 U	11 U	9.5 U	7.5 U	7.8 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.3 U	5.3 U	4.7 U	7.5 U	7.8 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.3 U	5.3 U	4.7 U	15 U	16 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	NR	*5 UJ*	NR	NR	1.1 U	1.1 U	0.95 U	0.75 U	0.78 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	NR	*5 UJ*	NR	NR	1.1 U	1.1 U	0.95 U	0.75 U	0.78 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*0.53 U*	*0.53 U*	*0.47 U*	*0.37 U*	*0.39 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*3.7 U*	*3.9 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*21 U*	*21 U*	*19 UJ*	*15 U*	*16 UJ*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*3.7 U*	*3.9 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	NR	*60 UX*	NR	NR	*110 U*	*110 U*	*95 U*	*60 U*	*62 UJ*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	21 U	21 U	19 U	15 U	16 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*0.21 U*	*0.21 U*	*0.19 U*	*0.15 U*	*0.16 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	NR	5 U	NR	NR	2.1 U	2.1 U	1.9 U	1.5 U	1.6 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	5.3 U	5.3 U	4.7 U	7.5 U	7.8 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*3.7 U*	*3.9 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	43 U	42 U	38 U	30 U	31 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*30 U*	*31 UJ*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*1.1 U*	*1.1 U*	*0.95 U*	*0.75 U*	*0.78 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*1.1 U*	*1.1 U*	*0.95 U*	*0.75 U*	*0.78 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*15 U*	*16 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*11 U*	*11 U*	*9.5 U*	*7.5 U*	*7.8 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*7.5 U*	*7.8 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*0.53 U*	*0.53 U*	*0.47 U*	*0.37 U*	*0.39 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	NR	5 U	NR	NR	1.1 U	1.1 U	0.95 U	0.75 U	0.78 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*15 U*	*16 UJ*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*15 U*	*16 UJ*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.3 U	5.3 U	4.7 U	7.5 U	7.8 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*7.5 U*	*7.8 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	5.3 U	5.3 U	4.7 U	30 U	31 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*7.5 U*	*7.8 U*
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	NR	*20 U*	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*7.5 U*	*7.8 U*
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*7.5 U*	*7.8 UJ*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*21 U*	*21 UJ*	*19 U*	*15 U*	*16 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08
										Sample Date	5/18/2015	5/18/2015	5/18/2015	5/18/2015	2/15/2013	2/15/2013	8/20/2013	3/4/2014	8/14/2014
										Lab Sample ID	1505963-03A	1505963-03B	1505963-03C	1505963-03D	510-89011-4	510-89011-5	500-61499-2	500-72568-5	500-82428-6
										Sample Type	FD	FD	FD	FD	TRG	FD	TRG	TRG	TRG
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.3 U	5.3 U	4.7 U	7.5 U	7.8 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	NR	*5 UJ*	NR	NR	*1.1 U*	*1.1 U*	*0.95 U*	0.75 U	0.78 U
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.3 U	5.3 UJ	4.7 U	3.7 U	3.9 U
Pronamide	23950-59-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	NR	5 U	NR	NR	11 U	11 U	9.5 U	7.5 U	7.8 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*1.1 U*	*1.1 U*	*0.95 U*	*0.75 U*	*0.78 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	NR	10 U	NR	NR	*21 U*	*21 U*	19 UJ	15 U	16 U
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*11 U*	*11 U*	*9.5 U*	*30 U*	*31 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR	*5.3 U*	*5.3 U*	*4.7 U*	*7.5 U*	*7.8 U*
General Chemistry																			
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	*5 U*	**13**	**11**	*10 U*	*10 U*	*10 U*
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	*5 U*	*10 U*	*10 U*	NR	NR	NR
Total Metals																			
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	NR	NR	**44**	NR	**73**	**89**	**54**	**73**	**66**
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	NR	NR	100	NR	**330**	**340**	320	**340**	310
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	NR	NR	2 U	NR	1 U	1 UJ	2 U	2 U	2 U
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	NR	NR	0.18 J	NR	1.5 U	1.5 UJ	10 U	10 U	10 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	NR	NR	5 U	NR	0.5 U	0.5 UJ	5 U	5 U	5 U
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	NR	NR	14	NR	*15 UJ*	*15 UJ*	10 U	10 U	10 U
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	NR	NR	0.2 U	NR	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	NR	NR	*5 U*	NR	1 U	1 UJ	*10 UJ*	*10 U*	*10 U*
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	NR	NR	*5 U*	NR	*2 UJ*	*2 UJ*	*5 U*	*5 U*	*5 U*
Polychlorinated Biphenyls (PCBs)																			
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	NR	0.2 U	NR	NR	*0.52 U*	*0.53 U*	*0.4 U*	*0.39 UJ*	*0.41 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR	*0.52 U*	*0.53 U*	*0.4 U*	*0.39 U*	*0.41 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR	*0.52 U*	*0.53 U*	*0.4 U*	*0.39 U*	*0.41 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR	*0.52 U*	*0.53 U*	*0.4 U*	*0.39 U*	*0.41 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR	*0.52 U*	*0.53 U*	*0.4 U*	*0.39 U*	*0.41 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR	*0.52 U*	*0.53 U*	*0.4 U*	*0.39 U*	*0.41 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR	*0.52 U*	*0.53 U*	*0.4 UJ*	*0.39 U*	*0.41 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	NR	0.2 U	NR	NR	*0.52 U*	*0.53 U*	0.4 U	0.39 U	0.41 U
Volatile Organic Compounds (VOCs)																			
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 UJ*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U	NR	NR	NR	5 U	5 U	5 U	5 U	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U	NR	NR	NR	5 U	5 U	5 U	5 U	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	1 U	NR	NR	NR	5 U	5 U	5 U	5 U	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	10 U	NR	NR	NR	5 U	5 U	5 U	5 U	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	1 U	NR	NR	NR	20 U	20 U	20 U	20 U	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*10 U*	NR	NR	NR	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P07	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08
										Sample Date	5/18/2015	5/18/2015	5/18/2015	5/18/2015	2/15/2013	2/15/2013	8/20/2013	3/4/2014	8/14/2014
										Lab Sample ID	1505963-03A	1505963-03B	1505963-03C	1505963-03D	510-89011-4	510-89011-5	500-61499-2	500-72568-5	500-82428-6
										Sample Type	FD	FD	FD	FD	TRG	FD	TRG	TRG	TRG
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	1 U	NR	NR	NR	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	1 U	NR	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	1 U	NR	NR	NR	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	1 U	NR	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	1 U	NR	NR	NR	100 U	100 U	100 U	100 U	100 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	1 U	NR	NR	NR	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	1 U	NR	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	5 U	NR	NR	NR	5 U	5 U	5 U	5 U	5 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	NR	NR	NR	20 U	20 U	20 U	20 U	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	1 U	NR	NR	NR	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*2 U*	NR	NR	NR	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	1 U	NR	NR	NR	2 U	2 U	2 U	2 U	2 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	3 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U

Table 2B
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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09
										Sample Date	5/19/2015	5/19/2015	5/19/2015	5/19/2015	2/14/2013	2/14/2013	8/20/2013	3/3/2014	8/18/2014
										Lab Sample ID	15051101-04A	15051101-04B	15051101-04C	15051101-04D	510-89006-5	510-89006-7	500-61499-9	500-72537-4	500-82576-11
										Sample Type	TRG	TRG	TRG	TRG	TRG	FD	TRG	TRG	TRG
Semi-Volatile Organic Compounds (SVOCs)																			
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR	*5.2 U*	*5.2 U*	*4.8 U*	*3.9 U*	*3.9 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*2.1 U*	*2.1 U*	*1.9 U*	*1.5 U*	*1.5 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	NR	5 U	NR	NR	2.1 U	2.1 U	1.9 U	1.5 U	1.5 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	NR	10 U	NR	NR	5.2 U	5.2 U	4.8 U	7.7 U	7.7 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	2.1 U	2.1 U	1.9 U	1.5 U	1.5 U
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*2.1 U*	*2.1 U*	*1.9 U*	*1.5 U*	*1.5 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*21 UJ*	*21 UJ*	*19 U*	*15 U*	*15 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	10 U	10 U	9.5 U	31 U	31 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	10 U	10 UJ	9.5 U	15 U	15 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.2 U	5.2 U	4.8 UJ	3.9 U	3.9 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*10 U*	*10 U*	*9.5 UJ*	*7.7 U*	*7.7 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.2 U*	*5.2 U*	*4.8 UJ*	*3.9 U*	*3.9 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	NR	5 U	NR	NR	10 U	10 U	9.5 UJ	7.7 U	7.7 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	NR	5 U	NR	NR	10 U	10 U	9.5 UJ	7.7 U	7.7 U
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	NR	5 U	NR	NR	*21 U*	*21 UJ*	19 UJ	15 U	15 U
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*1 U*	*1 U*	*0.95 U*	*0.77 U*	*0.77 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.2 U*	*5.2 U*	*4.8 UJ*	*7.7 U*	*7.7 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*0.52 U*	*0.52 U*	*0.48 U*	*0.39 U*	*0.39 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.2 U*	*5.2 U*	*4.8 U*	*7.7 U*	*7.7 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*2.1 U*	*2.1 U*	*1.9 U*	*1.5 U*	*1.5 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.2 U	5.2 U	4.8 UJ	3.9 U	3.9 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	NR	5 U	NR	NR	0.52 UJ	0.52 UJ	0.48 U	0.39 U	0.39 U
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	NR	5 U	NR	NR	2.1 U	2.1 U	1.9 UJ	1.5 U	1.5 U
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR	*10 UJ*	*10 UJ*	*9.5 U*	*15 U*	*15 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.2 U	5.2 U	4.8 U	3.9 U	3.9 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	10 U	10 U	9.5 UJ	7.7 U	7.7 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	10 U	10 U	9.5 U	31 U	31 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	NR	5 U	NR	NR	*10 U*	*10 U*	*9.5 UJ*	*7.7 U*	*7.7 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	2.1 UJ	2.1 U	1.9 UJ	1.5 U	1.5 U
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.2 U*	*5.2 U*	*4.8 U*	*3.9 U*	*3.9 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	NR	*20 U*	NR	NR	*21 U*	*21 UJ*	*19 U*	*31 U*	*31 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.2 U*	*5.2 U*	*4.8 U*	*7.7 U*	*7.7 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	10 U	10 U	9.5 U	7.7 U	7.7 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*21 U*	*21 U*	*19 UJ*	*15 U*	*15 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR	*10 U*	*10 UJ*	*9.5 U*	*7.7 U*	*7.7 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.2 U*	*5.2 U*	*4.8 U*	*3.9 U*	*3.9 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	NR	5 U	NR	NR	10 U	10 U	9.5 UJ	7.7 U	7.7 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*10 U*	*10 U*	*9.5 U*	*7.7 U*	*7.7 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.2 U	5.2 U	4.8 U	3.9 U	3.9 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*10 U*	*10 U*	*9.5 UJ*	*7.7 U*	*7.7 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	NR	1.3 J	NR	NR	21 U	21 U	19 UJ	15 U	15 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	21 U	21 U	19 U	31 U	31 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.2 U	5.2 U	4.8 U	7.7 U	7.7 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.2 U*	*5.2 U*	*4.8 U*	*31 U*	*31 U*
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	NR	5 U	NR	NR	1 U	1 U	0.95 U	0.77 U	0.77 U
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	NR	5 U	NR	NR	1 UJ	1 U	0.95 U	0.77 U	0.77 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	NR	1 U	NR	NR	5.2 U	5.2 U	4.8 U	3.9 U	3.9 U
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*21 U*	*21 U*	*19 U*	*15 U*	*15 U*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*1 UJ*	*1 U*	*0.95 U*	*0.77 U*	*0.77 U*
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.2 U*	R	*4.8 U*	*7.7 U*	*7.7 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*0.21 UJ*	*0.21 U*	*0.19 U*	*0.15 U*	*0.15 U*

Table 2B
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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09
										Sample Date	5/19/2015	5/19/2015	5/19/2015	5/19/2015	2/14/2013	2/14/2013	8/20/2013	3/3/2014	8/18/2014
										Lab Sample ID	15051101-04A	15051101-04B	15051101-04C	15051101-04D	510-89006-5	510-89006-7	500-61499-9	500-72537-4	500-82576-11
										Sample Type	TRG	TRG	TRG	TRG	TRG	FD	TRG	TRG	TRG
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*0.21 U*	*0.21 U*	*0.19 U*	*0.15 U*	*0.15 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*0.21 U*	*0.21 U*	*0.19 U*	*0.15 U*	*0.15 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	1 U	1 U	0.95 U	0.77 U	0.77 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	0.21 U	0.21 U	0.19 U	0.15 U	0.15 U
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	NR	5 U	NR	NR	*21 U*	*21 U*	*19 UJ*	*15 U*	*15 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	NR	5 U	NR	NR	2.1 U	2.1 U	1.9 U	1.5 U	1.5 U
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	NR	5 U	NR	NR	2.1 U	2.1 U	1.9 U	1.5 U	1.5 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*2.1 U*	*2.1 U*	*1.9 U*	*1.5 U*	*1.5 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*10 U*	*10 U*	*9.5 U*	*7.7 U*	*7.7 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	NR	5 U	NR	NR	2.1 U	2.1 U	1.9 U	1.5 U	1.5 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.2 U	5.2 U	4.8 U	3.9 U	3.9 U
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.2 U*	*5.2 U*	*4.8 U*	*7.7 U*	*7.7 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	0.52 UJ	0.52 UJ	0.48 U	0.39 U	0.39 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.2 U*	*5.2 U*	*4.8 U*	*7.7 U*	*7.7 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*0.31 U*	*0.31 U*	*0.29 U*	*0.23 U*	*0.23 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	NR	5 U	NR	NR	2.1 UJ	2.1 U	1.9 U	1.5 U	1.5 U
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	NR	5 U	NR	NR	2.1 U	2.1 U	1.9 U	1.5 U	1.5 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	2.1 U	2.1 U	1.9 U	1.5 U	1.5 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.2 U	5.2 U	4.8 U	3.9 U	3.9 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	NR	5 U	NR	NR	10 UJ	10 U	9.5 U	7.7 U	7.7 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.2 U	5.2 U	4.8 U	7.7 U	7.7 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.2 U	5.2 U	4.8 U	15 U	15 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	1 U	1 U	0.95 U	0.77 U	0.77 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	1 U	1 UJ	0.95 U	0.77 U	0.77 U
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*0.52 U*	*0.52 U*	*0.48 U*	*0.39 U*	*0.39 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.2 U*	*5.2 U*	*4.8 U*	*3.9 U*	*3.9 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*21 U*	*21 U*	*19 UJ*	*15 U*	*15 UJ*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.2 U*	*5.2 U*	*4.8 U*	*3.9 U*	*3.9 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	NR	*60 UX*	NR	NR	R	R	*95 U*	*62 U*	*62 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	21 U	21 U	19 U	15 U	15 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*0.21 U*	*0.21 U*	*0.19 U*	*0.15 U*	*0.15 U*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	NR	5 U	NR	NR	2.1 U	2.1 U	1.9 U	1.5 U	1.5 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	5.2 U	5.2 U	4.8 U	7.7 U	7.7 U
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.2 U*	*5.2 U*	*4.8 U*	*3.9 U*	*3.9 U*
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	42 U	42 UJ	38 U	31 U	31 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR	*5.2 U*	*5.2 U*	*4.8 U*	*31 U*	*31 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*1 UJ*	*1 U*	*0.95 U*	*0.77 U*	*0.77 U*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*1 U*	*1 U*	*0.95 U*	*0.77 U*	*0.77 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.2 U*	*5.2 U*	*4.8 U*	*15 U*	*15 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*10 UJ*	*10 U*	*9.5 U*	*7.7 U*	*7.7 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.2 U*	*5.2 U*	*4.8 U*	*7.7 U*	*7.7 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*0.52 U*	*0.52 U*	*0.48 U*	*0.39 U*	*0.39 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	NR	5 U	NR	NR	1 U	1 U	0.95 U	0.77 U	0.77 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.2 U*	*5.2 U*	*4.8 U*	*15 U*	*15 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.2 U*	*5.2 UJ*	*4.8 U*	*15 U*	*15 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.2 U	5.2 UJ	4.8 U	7.7 U	7.7 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.2 U*	*5.2 UJ*	*4.8 U*	*7.7 U*	*7.7 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR	5.2 U	5.2 U	4.8 U	31 U	31 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*5.2 U*	*5.2 U*	*4.8 U*	*7.7 U*	*7.7 U*
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	NR	*20 U*	NR	NR	*5.2 U*	*5.2 U*	*4.8 U*	*7.7 U*	*7.7 U*
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR	*5.2 U*	*5.2 U*	*4.8 U*	*7.7 U*	*7.7 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*21 UJ*	*21 UJ*	*19 UJ*	*15 U*	*15 U*

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09
										Sample Date	**5/19/2015**	**5/19/2015**	**5/19/2015**	**5/19/2015**	**2/14/2013**	**2/14/2013**	**8/20/2013**	**3/3/2014**	**8/18/2014**
										Lab Sample ID	**15051101-04A**	**15051101-04B**	**15051101-04C**	**15051101-04D**	**510-89006-5**	**510-89006-7**	**500-61499-9**	**500-72537-4**	**500-82576-11**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**	**TRG**	**FD**	**TRG**	**TRG**	**TRG**
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.2 U	5.2 U	4.8 U	7.7 U	7.7 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*1 UJ*	*1 U*	*0.95 U*	0.77 U	0.77 U
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	NR	5 U	NR	NR	5.2 U	5.2 U	4.8 UJ	3.9 U	3.9 U
Pronamide	23950-59-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	NR	5 U	NR	NR	10 U	10 U	9.5 U	7.7 U	7.7 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*1 UJ*	*1 U*	*0.95 U*	*0.77 U*	*0.77 U*
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	NR	10 U	NR	NR	*21 U*	*21 U*	19 UJ	15 U	15 U
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR	*10 U*	*10 U*	*9.5 U*	*31 U*	*31 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR	*5.2 U*	*5.2 U*	*4.8 U*	*7.7 U*	*7.7 U*
General Chemistry																			
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	*5 U*	**12**	*10 U*	*10 U*	**17**	*10 UJ*
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	*5 U*	*10 U*	NR	NR	**15**	NR
Total Metals																			
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	NR	NR	**65**	NR	**14**	**14**	**14**	**19**	**11 J**
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	NR	NR	270	NR	210	200	200	220	220
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	NR	NR	0.22 J	NR	1 U	1 U	2 U	2 U	2 U
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	NR	NR	0.17 J	NR	1.5 U	1.5 U	10 U	10 U	10 U
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	NR	NR	0.2 J	NR	0.5 U	0.5 U	5 U	5 U	5 U
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	NR	NR	2.9 J	NR	*15 UJ*	*15 UJ*	10 U	10 U	10 U
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	NR	NR	0.2 U	NR	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	NR	NR	*5 U*	NR	1 U	1 U	*10 U*	*10 U*	*10 U*
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	NR	NR	*5 U*	NR	*2 UJ*	*2 UJ*	*5 U*	*5 U*	*5 U*
Polychlorinated Biphenyls (PCBs)																			
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	NR	0.2 U	NR	NR	*0.53 U*	*0.53 U*	*0.42 U*	*0.38 UJ*	*0.39 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR	*0.53 U*	*0.53 U*	*0.42 U*	*0.38 U*	*0.39 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR	*0.53 U*	*0.53 U*	*0.42 U*	*0.38 U*	*0.39 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR	*0.53 U*	*0.53 U*	*0.42 U*	*0.38 U*	*0.39 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR	*0.53 U*	*0.53 U*	*0.42 U*	*0.38 U*	*0.39 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR	*0.53 U*	*0.53 U*	*0.42 U*	*0.38 U*	*0.39 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR	*0.53 U*	*0.53 U*	*0.42 UJ*	*0.38 U*	*0.39 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	NR	0.2 U	NR	NR	*0.53 U*	*0.53 U*	0.42 U	0.38 UJ	0.39 U
Volatile Organic Compounds (VOCs)																			
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U	NR	NR	NR	5 U	5 U	5 U	5 U	5 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U	NR	NR	NR	5 U	5 U	5 U	5 U	5 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	1 U	NR	NR	NR	5 U	5 U	5 U	5 U	5 U
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	10 U	NR	NR	NR	5 U	5 U	5 U	5 U	5 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	1 U	NR	NR	NR	20 U	20 U	20 U	20 U	20 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*10 U*	NR	NR	NR	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*

Table 2B
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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09
										Sample Date	5/19/2015	5/19/2015	5/19/2015	5/19/2015	2/14/2013	2/14/2013	8/20/2013	3/3/2014	8/18/2014
										Lab Sample ID	15051101-04A	15051101-04B	15051101-04C	15051101-04D	510-89006-5	510-89006-7	500-61499-9	500-72537-4	500-82576-11
										Sample Type	TRG	TRG	TRG	TRG	TRG	FD	TRG	TRG	TRG
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	1 U	NR	NR	NR	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 UJ	1 UJ	1 U	1 U	1 U
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	1 U	NR	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	1 U	NR	NR	NR	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	1 U	NR	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	1 U	NR	NR	NR	0 R	0 R	100 U	100 U	100 U
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	1 U	NR	NR	NR	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	1 U	NR	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	5 U	NR	NR	NR	5 U	5 U	5 U	5 U	5 U
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	NR	NR	NR	0 R	0 R	20 U	20 U	20 U
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	1 U	NR	NR	NR	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*2 U*	NR	NR	NR	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	1 U	NR	NR	NR	2 U	2 U	2 U	2 U	2 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	3 U	NR	NR	NR	1 U	1 U	1 U	1 U	1 U

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09
										Sample Date	**5/19/2015**	**5/19/2015**	**5/19/2015**	**5/19/2015**
										Lab Sample ID	**15051101-01A**	**15051101-01B**	**15051101-01C**	**15051101-01D**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**
Semi-Volatile Organic Compounds (SVOCs)														
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	NR	5 U	NR	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	NR	10 U	NR	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NV	NV	NV	NV	NV	NR	5 U	NR	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NV	NV	NV	NV	NV	NR	5 U	NR	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	NR	5 U	NR	NR
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	NR	5 U	NR	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	NR	5 U	NR	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	NR	5 U	NR	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	NR	5 U	NR	NR
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	NR	5 U	NR	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR
2-Picoline	109-06-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	NR	5 U	NR	NR
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	NR	*20 U*	NR	NR
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	NR	5 U	NR	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NV	NV	NV	NV	NV	NR	5 U	NR	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	NV	NV	NV	NV	NV	NR	5 U	NR	NR
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NV	NV	NV	NV	NV	NR	5 U	NR	NR
Acetophenone	98-86-2	ug/l	NV	1550	1900	NV	NV	NV	NV	NV	NR	1 U	NR	NR
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09
										Sample Date	**5/19/2015**	**5/19/2015**	**5/19/2015**	**5/19/2015**
										Lab Sample ID	**15051101-01A**	**15051101-01B**	**15051101-01C**	**15051101-01D**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	NR	5 U	NR	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	NR	5 U	NR	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	NR	5 U	NR	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	NR	5 U	NR	NR
Carbazole	86-74-8	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	NR	5 U	NR	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	NR	5 U	NR	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NV	NV	NV	NV	NV	NR	5 U	NR	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	NR	5 U	NR	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	NR	5 U	NR	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	NR	*60 UX*	NR	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	NR	5 U	NR	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR
m-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	NR	5 U	NR	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	5 U	NR	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	10 U	NR	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	NR	*20 U*	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09
										Sample Date	**5/19/2015**	**5/19/2015**	**5/19/2015**	**5/19/2015**
										Lab Sample ID	**15051101-01A**	**15051101-01B**	**15051101-01C**	**15051101-01D**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	NR	5 U	NR	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	NR	5 U	NR	NR
Pronamide	23950-59-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	NR	5 U	NR	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Pyridine	110-86-1	ug/l	NV	NV	20	NV	NV	NV	NV	NV	NR	10 U	NR	NR
Quinoline	91-22-5	ug/l	NV	NV	0.024	NV	NV	NV	NV	NV	NR	*5 U*	NR	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	NR	*10 U*	NR	NR
General Chemistry														
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	*5 U*
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	5	10	5	10	10	NR	NR	NR	*5 U*
Total Metals														
Arsenic	7440-38-2	ug/l	10	150	0.052	36	70	36	108.3	70	NR	NR	**18**	NR
Barium	7440-39-3	ug/l	2000	438	3800	123.1	742	123.1	320.4	352.6	NR	NR	220	NR
Cadmium	7440-43-9	ug/l	5	2.2	9.2	5	7	5	7	7	NR	NR	2 U	NR
Chromium	7440-47-3	ug/l	100	74	NV	105.9	20	10.59	20	20	NR	NR	0.12 J	NR
Lead	7439-92-1	ug/l	15	6.4	15	80	190	80	190	190	NR	NR	0.2 J	NR
Lithium	7439-93-2	ug/l	NV	14	40	28	15	124.4	15	15	NR	NR	4.2 J	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2	1	0.2	1	1	NR	NR	0.2 U	NR
Selenium	7782-49-2	ug/l	50	4.6	100	210	170	210	170	170	NR	NR	*5 U*	NR
Silver	7440-22-4	ug/l	NV	0.12	94	20	20	20	20	20	NR	NR	*5 U*	NR
Polychlorinated Biphenyls (PCBs)														
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NV	NV	NV	NV	NV	NR	0.2 U	NR	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NV	NV	NV	NV	NV	NR	*0.2 U*	NR	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NV	NV	NV	NV	NV	NR	0.2 U	NR	NR
Volatile Organic Compounds (VOCs)														
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	1 U	NR	NR	NR
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	1 U	NR	NR	NR
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	1 U	NR	NR	NR
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	5 U	NR	NR	NR
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	5 U	NR	NR	NR
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	1 U	NR	NR	NR
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	10 U	NR	NR	NR
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	1 U	NR	NR	NR
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*10 U*	NR	NR	NR
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09
										Sample Date	**5/19/2015**	**5/19/2015**	**5/19/2015**	**5/19/2015**
										Lab Sample ID	**15051101-01A**	**15051101-01B**	**15051101-01C**	**15051101-01D**
										Sample Type	**TRG**	**TRG**	**TRG**	**TRG**
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	1 U	NR	NR	NR
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	1 U	NR	NR	NR
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	1 U	NR	NR	NR
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	1 U	NR	NR	NR
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	1 U	NR	NR	NR
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	1 U	NR	NR	NR
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	NR	NR	NR
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	1 U	NR	NR	NR
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	1 U	NR	NR	NR
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	1 U	NR	NR	NR
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	1 U	NR	NR	NR
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	1 U	NR	NR	NR
Isobutanol	78-83-1	ug/l	NV	NV	5900	NV	NV	NV	NV	NV	1 U	NR	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	1 U	NR	NR	NR
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NV	NV	NV	NV	NV	1 U	NR	NR	NR
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	5 U	NR	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	10 U	NR	NR	NR
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	1 U	NR	NR	NR
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	1 U	NR	NR	NR
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	1 U	NR	NR	NR
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	1 U	NR	NR	NR
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	1 U	NR	NR	NR
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*2 U*	NR	NR	NR
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	1 U	NR	NR	NR
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	1 U	NR	NR	NR
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NV	NV	NV	NV	NV	*1 U*	NR	NR	NR
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	3 U	NR	NR	NR

Table 2B
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2013-2015)
U. S. Steel - Gary Works
Gary, Indiana

Notes:

The screening values used for the comparisons include the USEPA Maximum Contaminant Levels (USEPA, 2013), the USEPA Regional Screening Levels for Tapwater (USEPA, May 2016), the Ecological Screening Values (URS, 2011) established for the East Breakwater Area, and CAMU-specific Prediction Limits for metals.

CAS - chemical abstract system [number]

ESV - Ecological Screening Value

FD - field duplicate

MCL - Maximum Contaminant Level

NA - not applicable

NV - no value

RSL - Regional Screening Level

TRG = field sample

µg/L = micrograms per liter

USEPA - United States Environmental Protection Agency

* The results for 3&4-Methylphenol were compared to the screening value for 4-Methylphenol since this is the most conservative.

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

R indicates the chemical result was rejected due to quality control exceedanes.

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

UJ indicates the chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the analyte in the sample.

UX indicates the chemical was not detected at or above the sample reporting limit and is a qualitative value. A qualitative value should be used with caution and should not be used for quantitative purposes.

Bold Indicates the sample result is a detect and exceeds one or more of the screening levels

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

Samples collected in April 2014 were to verify exceedances of screening criteria.

Samples collected in May and November 2014 were quarterly samples collected at locations with confirmed exceedances, in accordance with the CAMU O&M Plan

Table 2C
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2016)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW01R	CAMU-MW02R	CAMU-MW04	CAMU-MW05	CAMU-MW06R	CAMU-MW07	CAMU-MW08	CAMU-MW08	CAMU-MW08
										Sample Date	**5/18/2016**	**5/19/2016**	**5/18/2016**	**5/19/2016**	**5/18/2016**	**5/18/2016**	**2/18/2016**	**5/19/2016**	**5/19/2016**
										Delivery Group	**16051054**	**16051054**	**16051054**	**16051054-09B**	**16051054**	**16051054**	**1602881**	**16051054**	**16051054**
										Sample Type	**N**	**N**	**N**	**N**	**N**	**N**	**V**	**N**	**N-FD**
Volatile Organic Compounds (VOCs)																			
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	100	0.57	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	100	0.076	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.17	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	NR	*< 5.0*	*< 5.0*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	NR	*< 5.0*	*< 5.0*
3-Chloro-1-propene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	*< 10*	*< 10*	*< 10*	*< 10*	**12**	*< 10*	NR	*< 10*	*< 10*
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	NR	*< 10*	*< 10*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Chloroprene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Isobutanol	78-83-1	ug/l	NV	2972	5900	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Methyl methacrylate	80-62-6	ug/l	NV	2800	1400	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	NR	*< 5.0*	*< 5.0*
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	NR	*< 10*	*< 10*
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*< 2.0*	*< 2.0*	*< 2.0*	*< 2.0*	*< 2.0*	*< 2.0*	NR	*< 2.0*	*< 2.0*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Vinyl chloride	75-01-4	ug/l	2	930	0.019	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	*< 3.0*	*< 3.0*	*< 3.0*	*< 3.0*	*< 3.0*	*< 3.0*	NR	*< 3.0*	*< 3.0*

Table 2C
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2016)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW01R	CAMU-MW02R	CAMU-MW04	CAMU-MW05	CAMU-MW06R	CAMU-MW07	CAMU-MW08	CAMU-MW08	CAMU-MW08
Sample Date											5/18/2016	5/19/2016	5/18/2016	5/19/2016	5/18/2016	5/18/2016	2/18/2016	5/19/2016	5/19/2016
Delivery Group											16051054	16051054	16051054	16051054-09B	16051054	16051054	1602881	16051054	16051054
Sample Type											N	N	N	N	N	N	V	N	N-FD
Semi-Volatile Organic Compounds (SVOCs)																			
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	< *5.0*	< *5.0*	< *5.0*	< *5.0*	< 5.0	< *5.0*	NR	< *5.0*	< 5.0
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	1.2	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	< 10	< 10	< 10	< 10	< 10	< 10	NR	< 10	< 10
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.48	NV	NV	NV	NV	NV	< *1.0*	< *1.0*	< *1.0*	< *1.0*	< *1.0*	< *1.0*	NR	< *1.0*	< *1.0*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	< *5.0*	< *5.0*	< *5.0*	< *5.0*	< *5.0*	< *5.0*	NR	< *5.0*	< *5.0*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NR	< 5.0	< 5.0
1-Naphthylamine	134-32-7	ug/l	NV	29.9	NV	NV	NV	NV	NV	NV	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NR	< 5.0	< 5.0
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	1.2	240	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	46	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NR	< 5.0	< 5.0
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	< *1.0*	< *1.0*	< *1.0*	< *1.0*	< *1.0*	< *1.0*	NR	< *1.0*	< *1.0*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	< *1.0*	< *1.0*	< *1.0*	< *1.0*	< *1.0*	< *1.0*	NR	< *1.0*	< *1.0*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	< *1.0*	< *1.0*	< *1.0*	< *1.0*	< *1.0*	< *1.0*	NR	< *1.0*	< *1.0*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	< *5.0*	< *5.0*	< *5.0*	< *5.0*	< *5.0*	< *5.0*	NR	< *5.0*	< *5.0*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	750	NV	NV	NV	NV	NV	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	NR	< 0.10	< 0.10
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	NR	< 0.10	< 0.10
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
2-Naphthylamine	91-59-8	ug/l	NV	29.9	0.039	NV	NV	NV	NV	NV	< *5.0*	< *5.0*	< *5.0*	< *5.0*	< *5.0*	< *5.0*	NR	< *5.0*	< *5.0*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
2-Picoline	109-06-8	ug/l	NV	3833	NV	NV	NV	NV	NV	NV	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NR	< 5.0	< 5.0
3,3'-Dichlorobenzidine	15831-10-4	ug/l	NV	4.5	0.13	NV	NV	NV	NV	NV	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NR	< 5.0	< 5.0
3,3'-Dimethylbenzidine	91-94-1	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	< *25*	< *25*	< *25*	< *25*	< *25*	< *25*	NR	< *25*	< *25*
3-Methylcholanthrene	119-93-7	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	< *5.0*	< *5.0*	< *5.0*	< *5.0*	< *5.0*	< *5.0*	NR	< *5.0*	< *5.0*
3-Methylphenol & 4-Methylphenol	56-49-5	ug/l	NV	53	930	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	< *5.0*	< *5.0*	< *5.0*	< *5.0*	< *5.0*	< *5.0*	NR	< *5.0*	< *5.0*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	34.8	1400	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	< *1.0*	< *1.0*	< *1.0*	< *1.0*	< *1.0*	< *1.0*	NR	< *1.0*	< *1.0*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NR	< 5.0	< 5.0
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NR	< 5.0	< 5.0
5-Nitro-o-toluidine	99-55-8	ug/l	NV	22	8.2	NV	NV	NV	NV	NV	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NR	< 5.0	< 5.0
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	0.548	0.0001	NV	NV	NV	NV	NV	< *1.0*	< *1.0*	< *1.0*	< *1.0*	< *1.0*	< *1.0*	NR	< *1.0*	< *1.0*
Acenaphthene	83-32-9	ug/l	NV	27	530	NV	NV	NV	NV	NV	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	NR	< 0.10	< 0.10
Acenaphthylene	208-96-8	ug/l	NV	4840	NV	NV	NV	NV	NV	NV	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	NR	< 0.10	< 0.10
Acetophenone	98-86-2	ug/l	NV	393	1900	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	NR	< 0.10	< 0.10
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	< *0.10*	< *0.10*	< *0.10*	< *0.10*	< *0.10*	< *0.10*	NR	< *0.10*	< *0.10*
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	< *0.10*	< *0.10*	< *0.10*	< *0.10*	< *0.10*	< *0.10*	NR	< *0.10*	< *0.10*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	< *0.10*	< *0.10*	< *0.10*	< *0.10*	< *0.10*	< *0.10*	NR	< *0.10*	< *0.10*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	NR	< 0.10	< 0.10
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	NR	< 0.10	< 0.10
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	< *1.0*	< *1.0*	< *1.0*	< *1.0*	< *1.0*	< *1.0*	NR	< *1.0*	< *1.0*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	< *1.0*	< *1.0*	< *1.0*	< *1.0*	< *1.0*	< *1.0*	NR	< *1.0*	< *1.0*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0

Table 2C
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2016)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW01R	CAMU-MW02R	CAMU-MW04	CAMU-MW05	CAMU-MW06R	CAMU-MW07	CAMU-MW08	CAMU-MW08	CAMU-MW08
										Sample Date	**5/18/2016**	**5/19/2016**	**5/18/2016**	**5/19/2016**	**5/18/2016**	**5/18/2016**	**2/18/2016**	**5/19/2016**	**5/19/2016**
										Delivery Group	**16051054**	**16051054**	**16051054**	**16051054-09B**	**16051054**	**16051054**	**1602881**	**16051054**	**16051054**
										Sample Type	**N**	**N**	**N**	**N**	**N**	**N**	**V**	**N**	**N-FD**
Carbazole	86-74-8	ug/l	NV	7.4	NV	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	NR	*< 5.0*	*< 5.0*
Chrysene	218-01-9	ug/l	NV	2.042	3.4	NV	NV	NV	NV	NV	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	NR	< 0.10	< 0.10
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	NR	*< 5.0*	*< 5.0*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*< 0.10*	*< 0.10*	*< 0.10*	*< 0.10*	*< 0.10*	*< 0.10*	NR	*< 0.10*	*< 0.10*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
Di-n-butyl phthalate	84-74-2	ug/l	NV	19	900	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
Dinoseb	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NR	< 5.0	< 5.0
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NR	< 5.0	< 5.0
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	*< 0.10*	*< 0.10*	*< 0.10*	*< 0.10*	*< 0.10*	*< 0.10*	NR	*< 0.10*	*< 0.10*
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	*< 0.10*	*< 0.10*	*< 0.10*	*< 0.10*	*< 0.10*	*< 0.10*	NR	*< 0.10*	*< 0.10*
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.0098	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	NR	*< 5.0*	*< 5.0*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*< 80*	*< 80*	*< 80*	*< 80*	*< 80*	*< 80*	NR	*< 80*	*< 80*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NR	< 5.0	< 5.0
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*< 0.10*	*< 0.10*	*< 0.10*	*< 0.10*	*< 0.10*	*< 0.10*	NR	*< 0.10*	*< 0.10*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NR	< 5.0	< 5.0
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NR	< 5.0	< 5.0
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NR	< 5.0	< 5.0
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	NR	*< 5.0*	*< 5.0*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*< 0.10*	*< 0.10*	*< 0.10*	*< 0.10*	*< 0.10*	*< 0.10*	NR	*< 0.10*	*< 0.10*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	25	0.011	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	NR	*< 1.0*	*< 1.0*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	NR	*< 5.0*	*< 5.0*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	NR	*< 5.0*	*< 5.0*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	0.0082	NV	NV	NV	NV	NV	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NR	< 5.0	< 5.0
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	NR	*< 5.0*	*< 5.0*
o-Toluidine	95-53-4	ug/l	NV	NV	4.7	NV	NV	NV	NV	NV	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NR	< 5.0	< 5.0
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	NR	*< 5.0*	*< 5.0*
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	NR	*< 5.0*	*< 5.0*
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	NR	*< 5.0*	*< 5.0*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	NR	*< 5.0*	*< 5.0*
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NR	< 5.0	< 5.0
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	NR	< 0.10	< 0.10
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NR	< 1.0	< 1.0
Pronamide	23950-58-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NR	< 5.0	< 5.0
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	NR	< 0.10	< 0.10
Pyridine	110-86-1	ug/l	NV	2380	20	NV	NV	NV	NV	NV	< 10	< 10	< 10	< 10	< 10	< 10	NR	< 10	< 10
Quinoline	91-22-5	ug/l	NV	3.4	0.024	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	NR	*< 5.0*	*< 5.0*
Safrole	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NR	< 5.0	< 5.0
Polychlorinated Biphenyls (PCBs)																			
Aroclor-1016	12674-11-2	ug/l	NV	0.014	0.22	NV	NV	NV	NV	NV	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	NR	*< 0.20*	*< 0.20*
Aroclor-1221	11104-28-2	ug/l	NV	0.014	0.0047	NV	NV	NV	NV	NV	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	NR	*< 0.20*	*< 0.20*
Aroclor-1232	11141-16-5	ug/l	NV	0.014	0.0047	NV	NV	NV	NV	NV	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	NR	*< 0.20*	*< 0.20*
Aroclor-1242	53469-21-9	ug/l	NV	0.014	0.0078	NV	NV	NV	NV	NV	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	NR	*< 0.20*	*< 0.20*
Aroclor-1248	12672-29-6	ug/l	NV	0.014	0.0078	NV	NV	NV	NV	NV	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	NR	*< 0.20*	*< 0.20*
Aroclor-1254	11097-69-1	ug/l	NV	0.014	0.0078	NV	NV	NV	NV	NV	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	NR	*< 0.20*	*< 0.20*
Aroclor-1260	11096-82-5	ug/l	NV	0.014	0.0078	NV	NV	NV	NV	NV	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	NR	*< 0.20*	*< 0.20*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	0.00012	NV	NV	NV	NV	NV	NV	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	*< 0.20*	NR	*< 0.20*	*< 0.20*

Table 2C
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2016)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW01R	CAMU-MW02R	CAMU-MW04	CAMU-MW05	CAMU-MW06R	CAMU-MW07	CAMU-MW08	CAMU-MW08	CAMU-MW08
										Sample Date	**5/18/2016**	**5/19/2016**	**5/18/2016**	**5/19/2016**	**5/18/2016**	**5/18/2016**	**2/18/2016**	**5/19/2016**	**5/19/2016**
										Delivery Group	**16051054**	**16051054**	**16051054**	**16051054-09B**	**16051054**	**16051054**	**1602881**	**16051054**	**16051054**
										Sample Type	**N**	**N**	**N**	**N**	**N**	**N**	**V**	**N**	**N-FD**
Total Metals																			
Arsenic	7440-38-2	mg/l	0.01	0.1479	0.000052	0.036	0.07	0.036	0.1083	0.07	**0.018**	**0.00093 J**	*< 0.0050*	**0.0010 J**	**0.0030 J**	**0.0010 J**	NR	**0.0011 J**	**0.0011 J**
Barium	7440-39-3	mg/l	2	0.438	3.8	0.1231	0.742	0.1231	0.3204	0.3526	**0.022**	**0.025**	**0.061**	**0.053**	**0.025**	**0.042**	NR	**0.021**	**0.020**
Cadmium	7440-43-9	mg/l	0.005	0.0022	0.0092	0.005	0.007	0.005	0.007	0.007	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	**0.000097 J**	NR	< 0.0020	< 0.0020
Chromium	7440-47-3	mg/l	0.1	0.074	NV	0.01059	0.02	0.01059	0.02	0.02	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	NR	< 0.0050	< 0.0050
Chromium, Hexavalent	18540-29-9	mg/l	NV	0.011	0.000035	0.005	0.01	0.005	0.01	0.01	**0.0037 J**	*< 0.0050*	*< 0.0050*	*< 0.0050*	**0.0037 J**	**0.0025 J**	NR	*< 0.0050*	**0.0025 J**
Lead	7439-92-1	mg/l	0.015	0.0025	0.015	0.08	0.19	0.08	0.19	0.19	*< 0.0050*	*< 0.0050*	*< 0.0050*	*< 0.0050*	*< 0.0050*	*< 0.0050*	NR	*< 0.0050*	*< 0.0050*
Lithium	7439-93-2	mg/l	NV	0.014	0.04	0.028	0.015	0.1244	0.015	0.015	**0.017**	**0.0030 J**	**0.0070 J**	**0.0035 J**	**0.012**	**0.012**	**0.046**	**0.026**	**0.024**
Mercury	7439-97-6	mg/l	0.002	0.00077	0.00063	0.0002	0.001	0.0002	0.001	0.001	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	*NR*	< 0.00020	< 0.00020
Selenium	7782-49-2	mg/l	0.05	0.0046	0.1	0.21	0.17	0.21	0.17	0.17	*< 0.0050*	**0.0021 J**	**0.0063**	**0.0011 J**	**0.0014 J**	**0.0028 J**	NR	*< 0.0050*	**0.0011 J**
Silver	7440-22-4	mg/l	NV	0.000058	0.094	0.02	0.02	0.02	0.02	0.02	*< 0.0050*	*< 0.0050*	*< 0.0050*	*< 0.0050*	*< 0.0050*	*< 0.0050*	NR	*< 0.0050*	*< 0.0050*
Dissolved Metals																			
Chromium, Hexavalent, Dissolved	18540-29-9	mg/l	NV	0.011	0.000035	0.005	0.01	0.005	0.01	0.01	NR	NR	NR	NR	NR	NR	NR	NR	NR

Table 2C
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2016)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW09R	CAMU-MW09R
										Sample Date	**7/12/2016**	**8/15/2016**	**11/29/2016**	**5/19/2016**	**7/12/2016**
										Delivery Group	**1607602**	**1608927**	**16111773**	**16051054**	**1607602**
										Sample Type	**V**	**V**	**V**	**N**	**V**
Volatile Organic Compounds (VOCs)															
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	100	0.57	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	100	0.076	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.17	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	NR
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	NR
3-Chloro-1-propene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	NR	NR	NR	*< 10*	NR
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	NR	NR	NR	*< 10*	NR
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Chloroprene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Isobutanol	78-83-1	ug/l	NV	2972	5900	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Methyl methacrylate	80-62-6	ug/l	NV	2800	1400	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	*< 10*	NR
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	NR	NR	NR	*< 2.0*	NR
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Vinyl chloride	75-01-4	ug/l	*2*	930	0.019	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	NR	NR	NR	*< 3.0*	NR

Table 2C
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2016)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW09R	CAMU-MW09R
										Sample Date	**7/12/2016**	**8/15/2016**	**11/29/2016**	**5/19/2016**	**7/12/2016**
										Delivery Group	**1607602**	**1608927**	**16111773**	**16051054**	**1607602**
										Sample Type	**V**	**V**	**V**	**N**	**V**
Semi-Volatile Organic Compounds (SVOCs)															
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	1.2	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	NR	NR	NR	< 10	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.48	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	NR
1-Naphthylamine	134-32-7	ug/l	NV	29.9	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	1.2	240	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	46	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	750	NV	NV	NV	NV	NV	NR	NR	NR	< 0.10	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	NR	NR	NR	< 0.10	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
2-Naphthylamine	91-59-8	ug/l	NV	29.9	0.039	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
2-Picoline	109-06-8	ug/l	NV	3833	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	NR
3,3'-Dichlorobenzidine	15831-10-4	ug/l	NV	4.5	0.13	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	NR
3,3'-Dimethylbenzidine	91-94-1	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	NR	NR	NR	*< 25*	NR
3-Methylcholanthrene	119-93-7	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	NR
3-Methylphenol & 4-Methylphenol	56-49-5	ug/l	NV	53	930	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	34.8	1400	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	22	8.2	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	0.548	0.0001	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Acenaphthene	83-32-9	ug/l	NV	27	530	NV	NV	NV	NV	NV	NR	NR	NR	< 0.10	NR
Acenaphthylene	208-96-8	ug/l	NV	4840	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 0.10	NR
Acetophenone	98-86-2	ug/l	NV	393	1900	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	NR	NR	NR	< 0.10	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.10*	NR
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.10*	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.10*	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 0.10	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	NR	NR	NR	< 0.10	NR
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR

Table 2C
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2016)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW09R	CAMU-MW09R
										Sample Date	**7/12/2016**	**8/15/2016**	**11/29/2016**	**5/19/2016**	**7/12/2016**
										Delivery Group	**1607602**	**1608927**	**16111773**	**16051054**	**1607602**
										Sample Type	**V**	**V**	**V**	**N**	**V**
Carbazole	86-74-8	ug/l	NV	7.4	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	NR
Chrysene	218-01-9	ug/l	NV	2.042	3.4	NV	NV	NV	NV	NV	NR	NR	NR	< 0.10	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	NR
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.10*	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	19	900	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
Dinoseb	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.10*	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.10*	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.0098	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	NR	NR	NR	*< 80*	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.10*	NR
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.10*	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	25	0.011	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	0.0082	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	NR
o-Toluidine	95-53-4	ug/l	NV	NV	4.7	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	NR
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 0.10	NR
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	NR
Pronamide	23950-58-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	NR	NR	NR	< 0.10	NR
Pyridine	110-86-1	ug/l	NV	2380	20	NV	NV	NV	NV	NV	NR	NR	NR	< 10	NR
Quinoline	91-22-5	ug/l	NV	3.4	0.024	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	NR
Safrole	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	NR
Polychlorinated Biphenyls (PCBs)															
Aroclor-1016	12674-11-2	ug/l	NV	0.014	0.22	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.20*	*< 0.20*
Aroclor-1221	11104-28-2	ug/l	NV	0.014	0.0047	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.20*	*< 0.20*
Aroclor-1232	11141-16-5	ug/l	NV	0.014	0.0047	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.20*	*< 0.20*
Aroclor-1242	53469-21-9	ug/l	NV	0.014	0.0078	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.20*	*< 0.20*
Aroclor-1248	12672-29-6	ug/l	NV	0.014	0.0078	NV	NV	NV	NV	NV	NR	NR	NR	**0.12 J**	*< 0.20*
Aroclor-1254	11097-69-1	ug/l	NV	0.014	0.0078	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.20*	*< 0.20*
Aroclor-1260	11096-82-5	ug/l	NV	0.014	0.0078	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.20*	*< 0.20*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	0.00012	NV	NV	NV	NV	NV	NV	NR	NR	NR	**0.12 J**	*< 0.20*

Table 2C
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Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW08	CAMU-MW08	CAMU-MW08	CAMU-MW09R	CAMU-MW09R
										Sample Date	**7/12/2016**	**8/15/2016**	**11/29/2016**	**5/19/2016**	**7/12/2016**
										Delivery Group	**1607602**	**1608927**	**16111773**	**16051054**	**1607602**
										Sample Type	**V**	**V**	**V**	**N**	**V**
Total Metals															
Arsenic	7440-38-2	mg/l	0.01	0.1479	0.000052	0.036	0.07	0.036	0.1083	0.07	NR	NR	NR	**0.0025 J**	NR
Barium	7440-39-3	mg/l	*2*	0.438	3.8	0.1231	0.742	0.1231	0.3204	0.3526	NR	NR	NR	**0.042**	NR
Cadmium	7440-43-9	mg/l	0.005	0.0022	0.0092	0.005	0.007	0.005	0.007	0.007	NR	NR	NR	< 0.0020	NR
Chromium	7440-47-3	mg/l	0.1	0.074	NV	0.01059	0.02	0.01059	0.02	0.02	NR	NR	NR	< 0.0050	NR
Chromium, Hexavalent	18540-29-9	mg/l	NV	0.011	0.000035	0.005	0.01	0.005	0.01	0.01	NR	*< 0.0050*	NR	**0.0037 J**	NR
Lead	7439-92-1	mg/l	0.015	0.0025	0.015	0.08	0.19	0.08	0.19	0.19	NR	NR	NR	**0.0017 J**	NR
Lithium	7439-93-2	mg/l	NV	0.014	0.04	0.028	0.015	0.1244	0.015	0.015	**0.019**	NR	**0.0027 J**	**0.0035 J**	NR
Mercury	7439-97-6	mg/l	0.002	0.00077	0.00063	0.0002	0.001	0.0002	0.001	0.001	*NR*	*NR*	*NR*	< 0.00020	NR
Selenium	7782-49-2	mg/l	0.05	0.0046	0.1	0.21	0.17	0.21	0.17	0.17	NR	NR	NR	*< 0.0050*	NR
Silver	7440-22-4	mg/l	NV	0.000058	0.094	0.02	0.02	0.02	0.02	0.02	NR	NR	NR	*< 0.0050*	NR
Dissolved Metals															
Chromium, Hexavalent, Dissolved	18540-29-9	mg/l	NV	0.011	0.000035	0.005	0.01	0.005	0.01	0.01	NR	NR	NR	NR	NR

Table 2C
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2016)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-P01R	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P06R
Sample Date											**8/15/2016**	**11/29/2016**	**11/29/2016**	**5/18/2016**	**5/19/2016**	**8/15/2016**	**8/15/2016**	**11/29/2016**	**5/18/2016**
Delivery Group											**1608927**	**16111773**	**16111773**	**16051054**	**16051054**	**1608927**	**1608927**	**16111773**	**16051054**
Sample Type											**V**	**V**	**V-FD**	**N**	**N**	**V**	**V-FD**	**V**	**N**
Volatile Organic Compounds (VOCs)																			
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	100	0.57	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	100	0.076	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.17	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	*< 5.0*	NR	NR	NR	*< 5.0*
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	*< 5.0*	NR	NR	NR	*< 5.0*
3-Chloro-1-propene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	NR	NR	NR	*< 10*	*< 10*	NR	NR	NR	*< 10*
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	NR	NR	NR	*< 10*	*< 10*	NR	NR	NR	*< 10*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	**0.30 J**	NR	NR	NR	*< 1.0*
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Chloroprene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Isobutanol	78-83-1	ug/l	NV	2972	5900	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Methyl methacrylate	80-62-6	ug/l	NV	2800	1400	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	*< 5.0*	NR	NR	NR	*< 5.0*
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	*< 10*	*< 10*	NR	NR	NR	*< 10*
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	NR	NR	NR	*< 2.0*	*< 2.0*	NR	NR	NR	*< 2.0*
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Vinyl chloride	75-01-4	ug/l	2	930	0.019	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	NR	NR	NR	*< 3.0*	*< 3.0*	NR	NR	NR	*< 3.0*

Table 2C
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2016)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-P01R	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P06R
Sample Date											8/15/2016	11/29/2016	11/29/2016	5/18/2016	5/19/2016	8/15/2016	8/15/2016	11/29/2016	5/18/2016
Delivery Group											1608927	16111773	16111773	16051054	16051054	1608927	1608927	16111773	16051054
Sample Type											V	V	V-FD	N	N	V	V-FD	V	N
Semi-Volatile Organic Compounds (SVOCs)																			
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	< 1.0	NR	NR	NR	*< 5.0*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	1.2	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	NR	NR	NR	< 10	< 10	NR	NR	NR	< 10
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.48	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	*< 5.0*	NR	NR	NR	*< 5.0*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	< 5.0	NR	NR	NR	< 5.0
1-Naphthylamine	134-32-7	ug/l	NV	29.9	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	< 5.0	NR	NR	NR	< 5.0
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	1.2	240	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	46	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	< 5.0	NR	NR	NR	< 5.0
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	*< 5.0*	NR	NR	NR	*< 5.0*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	750	NV	NV	NV	NV	NV	NR	NR	NR	< 0.10	< 0.10	NR	NR	NR	< 0.10
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	NR	NR	NR	< 0.10	< 0.10	NR	NR	NR	< 0.10
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
2-Naphthylamine	91-59-8	ug/l	NV	29.9	0.039	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	*< 5.0*	NR	NR	NR	*< 5.0*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
2-Picoline	109-06-8	ug/l	NV	3833	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	< 5.0	NR	NR	NR	< 5.0
3,3'-Dichlorobenzidine	15831-10-4	ug/l	NV	4.5	0.13	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	< 5.0	NR	NR	NR	< 5.0
3,3'-Dimethylbenzidine	91-94-1	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	NR	NR	NR	*< 25*	*< 25*	NR	NR	NR	*< 25*
3-Methylcholanthrene	119-93-7	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	*< 5.0*	NR	NR	NR	*< 5.0*
3-Methylphenol & 4-Methylphenol	56-49-5	ug/l	NV	53	930	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	*< 5.0*	NR	NR	NR	*< 5.0*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	34.8	1400	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	< 5.0	NR	NR	NR	< 5.0
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	< 5.0	NR	NR	NR	< 5.0
5-Nitro-o-toluidine	99-55-8	ug/l	NV	22	8.2	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	< 5.0	NR	NR	NR	< 5.0
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	0.548	0.0001	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Acenaphthene	83-32-9	ug/l	NV	27	530	NV	NV	NV	NV	NV	NR	NR	NR	< 0.10	< 0.10	NR	NR	NR	< 0.10
Acenaphthylene	208-96-8	ug/l	NV	4840	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 0.10	< 0.10	NR	NR	NR	< 0.10
Acetophenone	98-86-2	ug/l	NV	393	1900	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	NR	NR	NR	< 0.10	< 0.10	NR	NR	NR	< 0.10
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.10*	*< 0.10*	NR	NR	NR	*< 0.10*
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.10*	*< 0.10*	NR	NR	NR	*< 0.10*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.10*	*< 0.10*	NR	NR	NR	*< 0.10*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 0.10	< 0.10	NR	NR	NR	< 0.10
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	NR	NR	NR	< 0.10	< 0.10	NR	NR	NR	< 0.10
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0

Table 2C
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2016)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-P01R	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P06R
Sample Date											8/15/2016	11/29/2016	11/29/2016	5/18/2016	5/19/2016	8/15/2016	8/15/2016	11/29/2016	5/18/2016
Delivery Group											1608927	16111773	16111773	16051054	16051054	1608927	1608927	16111773	16051054
Sample Type											V	V	V-FD	N	N	V	V-FD	V	N
Carbazole	86-74-8	ug/l	NV	7.4	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	*< 5.0*	NR	NR	NR	*< 5.0*
Chrysene	218-01-9	ug/l	NV	2.042	3.4	NV	NV	NV	NV	NV	NR	NR	NR	< 0.10	< 0.10	NR	NR	NR	< 0.10
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	*< 5.0*	NR	NR	NR	*< 5.0*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.10*	*< 0.10*	NR	NR	NR	*< 0.10*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
Di-n-butyl phthalate	84-74-2	ug/l	NV	19	900	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
Dinoseb	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	< 5.0	NR	NR	NR	< 5.0
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	< 5.0	NR	NR	NR	< 5.0
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.10*	*< 0.10*	NR	NR	NR	*< 0.10*
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.10*	*< 0.10*	NR	NR	NR	*< 0.10*
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.0098	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	*< 5.0*	NR	NR	NR	*< 5.0*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	NR	NR	NR	*< 80*	*< 80*	NR	NR	NR	*< 80*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	< 5.0	NR	NR	NR	< 5.0
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.10*	*< 0.10*	NR	NR	NR	*< 0.10*
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	< 5.0	NR	NR	NR	< 5.0
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	< 5.0	NR	NR	NR	< 5.0
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	< 5.0	NR	NR	NR	< 5.0
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	*< 5.0*	NR	NR	NR	*< 5.0*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.10*	*< 0.10*	NR	NR	NR	*< 0.10*
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	25	0.011	NV	NV	NV	NV	NV	NR	NR	NR	*< 1.0*	*< 1.0*	NR	NR	NR	*< 1.0*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	*< 5.0*	NR	NR	NR	*< 5.0*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	*< 5.0*	NR	NR	NR	*< 5.0*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	0.0082	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	< 5.0	NR	NR	NR	< 5.0
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	*< 5.0*	NR	NR	NR	*< 5.0*
o-Toluidine	95-53-4	ug/l	NV	NV	4.7	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	< 5.0	NR	NR	NR	< 5.0
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	*< 5.0*	NR	NR	NR	*< 5.0*
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	*< 5.0*	NR	NR	NR	*< 5.0*
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	*< 5.0*	NR	NR	NR	*< 5.0*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	*< 5.0*	NR	NR	NR	*< 5.0*
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	< 5.0	NR	NR	NR	< 5.0
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	NR	NR	NR	< 0.10	< 0.10	NR	NR	NR	< 0.10
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	NR	NR	NR	< 1.0	< 1.0	NR	NR	NR	< 1.0
Pronamide	23950-58-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	< 5.0	NR	NR	NR	< 5.0
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	NR	NR	NR	< 0.10	< 0.10	NR	NR	NR	< 0.10
Pyridine	110-86-1	ug/l	NV	2380	20	NV	NV	NV	NV	NV	NR	NR	NR	< 10	< 10	NR	NR	NR	< 10
Quinoline	91-22-5	ug/l	NV	3.4	0.024	NV	NV	NV	NV	NV	NR	NR	NR	*< 5.0*	*< 5.0*	NR	NR	NR	*< 5.0*
Safrole	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	NR	NR	NR	< 5.0	< 5.0	NR	NR	NR	< 5.0
Polychlorinated Biphenyls (PCBs)																			
Aroclor-1016	12674-11-2	ug/l	NV	0.014	0.22	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.20*	*< 0.20*	NR	NR	NR	*< 0.22*
Aroclor-1221	11104-28-2	ug/l	NV	0.014	0.0047	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.20*	*< 0.20*	NR	NR	NR	*< 0.22*
Aroclor-1232	11141-16-5	ug/l	NV	0.014	0.0047	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.20*	*< 0.20*	NR	NR	NR	*< 0.22*
Aroclor-1242	53469-21-9	ug/l	NV	0.014	0.0078	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.20*	*< 0.20*	NR	NR	NR	*< 0.22*
Aroclor-1248	12672-29-6	ug/l	NV	0.014	0.0078	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.20*	*< 0.20*	NR	NR	NR	*< 0.22*
Aroclor-1254	11097-69-1	ug/l	NV	0.014	0.0078	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.20*	*< 0.20*	NR	NR	NR	*< 0.22*
Aroclor-1260	11096-82-5	ug/l	NV	0.014	0.0078	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.20*	*< 0.20*	NR	NR	NR	*< 0.22*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	0.00012	NV	NV	NV	NV	NV	NV	NR	NR	NR	*< 0.20*	*< 0.20*	NR	NR	NR	*< 0.22*

Table 2C
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2016)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-MW09R	CAMU-MW09R	CAMU-MW09R	CAMU-P01R	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P05	CAMU-P06R
Sample Date											**8/15/2016**	**11/29/2016**	**11/29/2016**	**5/18/2016**	**5/19/2016**	**8/15/2016**	**8/15/2016**	**11/29/2016**	**5/18/2016**
Delivery Group											**1608927**	**16111773**	**16111773**	**16051054**	**16051054**	**1608927**	**1608927**	**16111773**	**16051054**
Sample Type											**V**	**V**	**V-FD**	**N**	**N**	**V**	**V-FD**	**V**	**N**
Total Metals																			
Arsenic	7440-38-2	mg/l	0.01	0.1479	0.000052	0.036	0.07	0.036	0.1083	0.07	NR	NR	NR	**0.039**	**0.042**	NR	NR	NR	**0.047**
Barium	7440-39-3	mg/l	2	0.438	3.8	0.1231	0.742	0.1231	0.3204	0.3526	NR	NR	NR	**0.066**	**0.27**	NR	NR	NR	**0.24**
Cadmium	7440-43-9	mg/l	0.005	0.0022	0.0092	0.005	0.007	0.005	0.007	0.007	NR	NR	NR	< 0.0020	**0.000052 J**	NR	NR	NR	**0.000095 J**
Chromium	7440-47-3	mg/l	0.1	0.074	NV	0.01059	0.02	0.01059	0.02	0.02	NR	NR	NR	< 0.0050	**0.00090 J**	NR	NR	NR	< 0.0050
Chromium, Hexavalent	18540-29-9	mg/l	NV	0.011	0.000035	0.005	0.01	0.005	0.01	0.01	**0.0028 J**	**0.0043 J**	*< 0.0050*	**0.015**	**0.0062**	**0.0028 J**	**0.0028 J**	**0.0043 J**	**0.011**
Lead	7439-92-1	mg/l	0.015	0.0025	0.015	0.08	0.19	0.08	0.19	0.19	NR	NR	NR	**0.00033 J**	*< 0.0050*	NR	NR	NR	*< 0.0050*
Lithium	7439-93-2	mg/l	NV	0.014	0.04	0.028	0.015	0.1244	0.015	0.015	NR	NR	NR	**0.0056 J**	**0.0040 J**	NR	NR	NR	**0.0058 J**
Mercury	7439-97-6	mg/l	0.002	0.00077	0.00063	0.0002	0.001	0.0002	0.001	0.001	NR	NR	NR	< 0.00020	< 0.00020	NR	NR	NR	< 0.00020
Selenium	7782-49-2	mg/l	0.05	0.0046	0.1	0.21	0.17	0.21	0.17	0.17	NR	NR	NR	*< 0.0050*	*< 0.0050*	NR	NR	NR	*< 0.0050*
Silver	7440-22-4	mg/l	NV	0.000058	0.094	0.02	0.02	0.02	0.02	0.02	NR	NR	NR	*< 0.0050*	*< 0.0050*	NR	NR	NR	*< 0.0050*
Dissolved Metals																			
Chromium, Hexavalent, Dissolved	18540-29-9	mg/l	NV	0.011	0.000035	0.005	0.01	0.005	0.01	0.01	NR	NR	NR	*< 0.0050 H*	*< 0.0050*	NR	NR	NR	*< 0.0050 H*

Table 2C
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2016)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P07	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09
										Sample Date	**5/18/2016**	**5/19/2016**	**8/15/2016**	**11/29/2016**	**5/19/2016**	**5/19/2016**	**8/15/2016**	**11/29/2016**
										Delivery Group	**16051054**	**16051054**	**1608927**	**16111773**	**16051054**	**16051054**	**1608927**	**16111773**
										Sample Type	**N**	**N**	**V**	**V**	**N**	**N-FD**	**V**	**V**
Volatile Organic Compounds (VOCs)																		
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	100	0.57	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	100	0.076	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.17	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
2-Butanone	78-93-3	ug/l	NV	14000	5600	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	NR	NR	*< 5.0*	*< 5.0*	NR	NR
2-Hexanone	591-78-6	ug/l	NV	99	38	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	NR	NR	*< 5.0*	*< 5.0*	NR	NR
3-Chloro-1-propene	107-05-1	ug/l	NV	NV	0.73	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Acetone	67-64-1	ug/l	NV	1700	14000	NV	NV	NV	NV	NV	*< 10*	*< 10*	NR	NR	*< 10*	*< 10*	NR	NR
Acetonitrile	75-05-8	ug/l	NV	12000	130	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NV	NV	NV	NV	NV	*< 10*	*< 10*	NR	NR	*< 10*	*< 10*	NR	NR
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Benzene	71-43-2	ug/l	5	98	0.46	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Bromoform	75-25-2	ug/l	80	61	3.3	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Bromomethane	74-83-9	ug/l	NV	16	7.5	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Carbon disulfide	75-15-0	ug/l	NV	15	810	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Chlorobenzene	108-90-7	ug/l	100	47	78	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Chloroethane	75-00-3	ug/l	NV	NV	21000	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Chloroform	67-66-3	ug/l	80	170	0.22	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Chloromethane	74-87-3	ug/l	NV	NV	190	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Chloroprene	126-99-8	ug/l	NV	NV	0.019	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Iodomethane	74-88-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Isobutanol	78-83-1	ug/l	NV	2972	5900	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Methyl methacrylate	80-62-6	ug/l	NV	2800	1400	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Methylene Chloride	75-09-2	ug/l	5	1500	11	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	NR	NR	*< 5.0*	*< 5.0*	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Propionitrile	107-12-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	*< 10*	*< 10*	NR	NR	*< 10*	*< 10*	NR	NR
Styrene	100-42-5	ug/l	100	32	1200	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Tetrachloroethene	127-18-4	ug/l	5	60	11	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Toluene	108-88-3	ug/l	1000	94	1100	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NV	NV	NV	NV	NV	*< 2.0*	*< 2.0*	NR	NR	*< 2.0*	*< 2.0*	NR	NR
Trichloroethene	79-01-6	ug/l	5	260	0.49	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Vinyl acetate	108-05-4	ug/l	NV	248	410	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Vinyl chloride	75-01-4	ug/l	2	930	0.019	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Xylenes (total)	1330-20-7	ug/l	10000	35	190	NV	NV	NV	NV	NV	*< 3.0*	*< 3.0*	NR	NR	*< 3.0*	*< 3.0*	NR	NR

Table 2C
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2016)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P07	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09
										Sample Date	**5/18/2016**	**5/19/2016**	**8/15/2016**	**11/29/2016**	**5/19/2016**	**5/19/2016**	**8/15/2016**	**11/29/2016**
										Delivery Group	**16051054**	**16051054**	**1608927**	**16111773**	**16051054**	**16051054**	**1608927**	**16111773**
										Sample Type	**N**	**N**	**V**	**V**	**N**	**N-FD**	**V**	**V**
Semi-Volatile Organic Compounds (SVOCs)																		
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NV	NV	NV	NV	NV	< *5.0*	< *5.0*	NR	NR	< 1.0	< *5.0*	NR	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	1.2	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NV	NV	NV	NV	NV	< 10	< 10	NR	NR	< 10	< 10	NR	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.48	NV	NV	NV	NV	NV	< *1.0*	< *1.0*	NR	NR	< *1.0*	< *1.0*	NR	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NV	NV	NV	NV	NV	< *5.0*	< *5.0*	NR	NR	< *5.0*	< *5.0*	NR	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	< 5.0	< 5.0	NR	NR	< 5.0	< 5.0	NR	NR
1-Naphthylamine	134-32-7	ug/l	NV	29.9	NV	NV	NV	NV	NV	NV	< 5.0	< 5.0	NR	NR	< 5.0	< 5.0	NR	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	1.2	240	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	46	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NV	NV	NV	NV	NV	< 5.0	< 5.0	NR	NR	< 5.0	< 5.0	NR	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NV	NV	NV	NV	NV	< *1.0*	< *1.0*	NR	NR	< *1.0*	< *1.0*	NR	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NV	NV	NV	NV	NV	< *1.0*	< *1.0*	NR	NR	< *1.0*	< *1.0*	NR	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NV	NV	NV	NV	NV	< *1.0*	< *1.0*	NR	NR	< *1.0*	< *1.0*	NR	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NV	NV	NV	NV	NV	< *5.0*	< *5.0*	NR	NR	< *5.0*	< *5.0*	NR	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	750	NV	NV	NV	NV	NV	< 0.10	< 0.10	NR	NR	< 0.10	< 0.10	NR	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NV	NV	NV	NV	NV	< 0.10	< 0.10	NR	NR	< 0.10	< 0.10	NR	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
2-Naphthylamine	91-59-8	ug/l	NV	29.9	0.039	NV	NV	NV	NV	NV	< *5.0*	< *5.0*	NR	NR	< *5.0*	< *5.0*	NR	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
2-Picoline	109-06-8	ug/l	NV	3833	NV	NV	NV	NV	NV	NV	< 5.0	< 5.0	NR	NR	< 5.0	< 5.0	NR	NR
3,3'-Dichlorobenzidine	15831-10-4	ug/l	NV	4.5	0.13	NV	NV	NV	NV	NV	< 5.0	< 5.0	NR	NR	< 5.0	< 5.0	NR	NR
3,3'-Dimethylbenzidine	91-94-1	ug/l	NV	NV	0.0065	NV	NV	NV	NV	NV	< *25*	< *25*	NR	NR	< *25*	< *25*	NR	NR
3-Methylcholanthrene	119-93-7	ug/l	NV	0.0891	0.0011	NV	NV	NV	NV	NV	< *5.0*	< *5.0*	NR	NR	< *5.0*	< *5.0*	NR	NR
3-Methylphenol & 4-Methylphenol	56-49-5	ug/l	NV	53	930	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NV	NV	NV	NV	NV	< *5.0*	< *5.0*	NR	NR	< *5.0*	< *5.0*	NR	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	34.8	1400	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NV	NV	NV	NV	NV	< *1.0*	< *1.0*	NR	NR	< *1.0*	< *1.0*	NR	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NV	NV	NV	NV	NV	< 5.0	< 5.0	NR	NR	< 5.0	< 5.0	NR	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	< 5.0	< 5.0	NR	NR	< 5.0	< 5.0	NR	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	22	8.2	NV	NV	NV	NV	NV	< 5.0	< 5.0	NR	NR	< 5.0	< 5.0	NR	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	0.548	0.0001	NV	NV	NV	NV	NV	< *1.0*	< *1.0*	NR	NR	< *1.0*	< *1.0*	NR	NR
Acenaphthene	83-32-9	ug/l	NV	27	530	NV	NV	NV	NV	NV	< 0.10	< 0.10	NR	NR	< 0.10	< 0.10	NR	NR
Acenaphthylene	208-96-8	ug/l	NV	4840	NV	NV	NV	NV	NV	NV	< 0.10	< 0.10	NR	NR	< 0.10	< 0.10	NR	NR
Acetophenone	98-86-2	ug/l	NV	393	1900	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
Aniline	62-53-3	ug/l	NV	4.1	13	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	NV	NV	NV	NV	NV	< 0.10	< 0.10	NR	NR	< 0.10	< 0.10	NR	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NV	NV	NV	NV	NV	< *0.10*	< *0.10*	NR	NR	< *0.10*	< *0.10*	NR	NR
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NV	NV	NV	NV	NV	< *0.10*	< *0.10*	NR	NR	< *0.10*	< *0.10*	NR	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NV	NV	NV	NV	NV	< *0.10*	< *0.10*	NR	NR	< *0.10*	< *0.10*	NR	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NV	NV	NV	NV	NV	< 0.10	< 0.10	NR	NR	< 0.10	< 0.10	NR	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NV	NV	NV	NV	NV	< 0.10	< 0.10	NR	NR	< 0.10	< 0.10	NR	NR
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NV	NV	NV	NV	NV	< *1.0*	< *1.0*	NR	NR	< *1.0*	< *1.0*	NR	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NV	NV	NV	NV	NV	< *1.0*	< *1.0*	NR	NR	< *1.0*	< *1.0*	NR	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR

Table 2C
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2016)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P07	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09
										Sample Date	**5/18/2016**	**5/19/2016**	**8/15/2016**	**11/29/2016**	**5/19/2016**	**5/19/2016**	**8/15/2016**	**11/29/2016**
										Delivery Group	**16051054**	**16051054**	**1608927**	**16111773**	**16051054**	**16051054**	**1608927**	**16111773**
										Sample Type	**N**	**N**	**V**	**V**	**N**	**N-FD**	**V**	**V**
Carbazole	86-74-8	ug/l	NV	7.4	NV	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	NR	NR	*< 5.0*	*< 5.0*	NR	NR
Chrysene	218-01-9	ug/l	NV	2.042	3.4	NV	NV	NV	NV	NV	< 0.10	< 0.10	NR	NR	< 0.10	< 0.10	NR	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	NR	NR	*< 5.0*	*< 5.0*	NR	NR
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NV	NV	NV	NV	NV	*< 0.10*	*< 0.10*	NR	NR	*< 0.10*	*< 0.10*	NR	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	19	900	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
Dinoseb	88-85-7	ug/l	7	NV	15	NV	NV	NV	NV	NV	< 5.0	< 5.0	NR	NR	< 5.0	< 5.0	NR	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	< 5.0	< 5.0	NR	NR	< 5.0	< 5.0	NR	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NV	NV	NV	NV	NV	*< 0.10*	*< 0.10*	NR	NR	*< 0.10*	*< 0.10*	NR	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	NV	NV	NV	NV	NV	*< 0.10*	*< 0.10*	NR	NR	*< 0.10*	*< 0.10*	NR	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.0098	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	NR	NR	*< 5.0*	*< 5.0*	NR	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NV	NV	NV	NV	NV	*< 80*	*< 80*	NR	NR	*< 80*	*< 80*	NR	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	< 5.0	< 5.0	NR	NR	< 5.0	< 5.0	NR	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NV	NV	NV	NV	NV	*< 0.10*	*< 0.10*	NR	NR	*< 0.10*	*< 0.10*	NR	NR
Isophorone	78-59-1	ug/l	NV	830	78	NV	NV	NV	NV	NV	< 5.0	< 5.0	NR	NR	< 5.0	< 5.0	NR	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	< 5.0	< 5.0	NR	NR	< 5.0	< 5.0	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NV	NV	NV	NV	NV	< 5.0	< 5.0	NR	NR	< 5.0	< 5.0	NR	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	NR	NR	*< 5.0*	*< 5.0*	NR	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	NV	NV	NV	NV	NV	*< 0.10*	*< 0.10*	NR	NR	*< 0.10*	*< 0.10*	NR	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	25	0.011	NV	NV	NV	NV	NV	*< 1.0*	*< 1.0*	NR	NR	*< 1.0*	*< 1.0*	NR	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	NR	NR	*< 5.0*	*< 5.0*	NR	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	NR	NR	*< 5.0*	*< 5.0*	NR	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	0.0082	NV	NV	NV	NV	NV	< 5.0	< 5.0	NR	NR	< 5.0	< 5.0	NR	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	NR	NR	*< 5.0*	*< 5.0*	NR	NR
o-Toluidine	95-53-4	ug/l	NV	NV	4.7	NV	NV	NV	NV	NV	< 5.0	< 5.0	NR	NR	< 5.0	< 5.0	NR	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	NR	NR	*< 5.0*	*< 5.0*	NR	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	NR	NR	*< 5.0*	*< 5.0*	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	NR	NR	*< 5.0*	*< 5.0*	NR	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	NR	NR	*< 5.0*	*< 5.0*	NR	NR
Phenacetin	62-44-2	ug/l	NV	NV	34	NV	NV	NV	NV	NV	< 5.0	< 5.0	NR	NR	< 5.0	< 5.0	NR	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NV	NV	NV	NV	NV	< 0.10	< 0.10	NR	NR	< 0.10	< 0.10	NR	NR
Phenol	108-95-2	ug/l	NV	180	5800	NV	NV	NV	NV	NV	< 1.0	< 1.0	NR	NR	< 1.0	< 1.0	NR	NR
Pronamide	23950-58-5	ug/l	NV	NV	1200	NV	NV	NV	NV	NV	< 5.0	< 5.0	NR	NR	< 5.0	< 5.0	NR	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	NV	NV	NV	NV	NV	< 0.10	< 0.10	NR	NR	< 0.10	< 0.10	NR	NR
Pyridine	110-86-1	ug/l	NV	2380	20	NV	NV	NV	NV	NV	< 10	< 10	NR	NR	< 10	< 10	NR	NR
Quinoline	91-22-5	ug/l	NV	3.4	0.024	NV	NV	NV	NV	NV	*< 5.0*	*< 5.0*	NR	NR	*< 5.0*	*< 5.0*	NR	NR
Safrole	94-59-7	ug/l	NV	NV	0.096	NV	NV	NV	NV	NV	< 5.0	< 5.0	NR	NR	< 5.0	< 5.0	NR	NR
Polychlorinated Biphenyls (PCBs)																		
Aroclor-1016	12674-11-2	ug/l	NV	0.014	0.22	NV	NV	NV	NV	NV	*< 0.22*	*< 0.20*	NR	NR	*< 0.20*	*< 0.20*	NR	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.014	0.0047	NV	NV	NV	NV	NV	*< 0.22*	*< 0.20*	NR	NR	*< 0.20*	*< 0.20*	NR	NR
Aroclor-1232	11141-16-5	ug/l	NV	0.014	0.0047	NV	NV	NV	NV	NV	*< 0.22*	*< 0.20*	NR	NR	*< 0.20*	*< 0.20*	NR	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.014	0.0078	NV	NV	NV	NV	NV	*< 0.22*	*< 0.20*	NR	NR	*< 0.20*	*< 0.20*	NR	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.014	0.0078	NV	NV	NV	NV	NV	*< 0.22*	*< 0.20*	NR	NR	*< 0.20*	*< 0.20*	NR	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.014	0.0078	NV	NV	NV	NV	NV	*< 0.22*	*< 0.20*	NR	NR	*< 0.20*	*< 0.20*	NR	NR
Aroclor-1260	11096-82-5	ug/l	NV	0.014	0.0078	NV	NV	NV	NV	NV	*< 0.22*	*< 0.20*	NR	NR	*< 0.20*	*< 0.20*	NR	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	0.00012	NV	NV	NV	NV	NV	NV	*< 0.22*	*< 0.20*	NR	NR	*< 0.20*	*< 0.20*	NR	NR

Table 2C
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2016)
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	Interwell Prediction Limits - *Shallow Wells*	Interwell Prediction Limits - *Deep Wells*	CAMU-MW08 Prediction Limits	CAMU-P08 Prediction Limits	CAMU-P05 Prediction Limits	CAMU-P07	CAMU-P08	CAMU-P08	CAMU-P08	CAMU-P09	CAMU-P09	CAMU-P09	CAMU-P09
										Sample Date	**5/18/2016**	**5/19/2016**	**8/15/2016**	**11/29/2016**	**5/19/2016**	**5/19/2016**	**8/15/2016**	**11/29/2016**
										Delivery Group	**16051054**	**16051054**	**1608927**	**16111773**	**16051054**	**16051054**	**1608927**	**16111773**
										Sample Type	**N**	**N**	**V**	**V**	**N**	**N-FD**	**V**	**V**
Total Metals																		
Arsenic	7440-38-2	mg/l	0.01	0.1479	0.000052	0.036	0.07	0.036	0.1083	0.07	**0.044**	**0.071**	NR	NR	**0.019**	**0.019**	NR	NR
Barium	7440-39-3	mg/l	2	0.438	3.8	0.1231	0.742	0.1231	0.3204	0.3526	**0.11**	**0.28**	NR	NR	**0.22**	**0.22**	NR	NR
Cadmium	7440-43-9	mg/l	0.005	0.0022	0.0092	0.005	0.007	0.005	0.007	0.007	**0.000078 J**	**0.00013 J**	NR	NR	**0.000058 J**	< 0.0020	NR	NR
Chromium	7440-47-3	mg/l	0.1	0.074	NV	0.01059	0.02	0.01059	0.02	0.02	< 0.0050	< 0.0050	NR	NR	< 0.0050	< 0.0050	NR	NR
Chromium, Hexavalent	18540-29-9	mg/l	NV	0.011	0.000035	0.005	0.01	0.005	0.01	0.01	**0.014**	**0.011**	**0.0065**	**0.011**	**0.011**	**0.011**	**0.0065**	**0.008**
Lead	7439-92-1	mg/l	0.015	0.0025	0.015	0.08	0.19	0.08	0.19	0.19	*< 0.0050*	*< 0.0050*	NR	NR	*< 0.0050*	*< 0.0050*	NR	NR
Lithium	7439-93-2	mg/l	NV	0.014	0.04	0.028	0.015	0.1244	0.015	0.015	**0.015**	**0.0052 J**	NR	NR	**0.0055 J**	**0.0057 J**	NR	NR
Mercury	7439-97-6	mg/l	0.002	0.00077	0.00063	0.0002	0.001	0.0002	0.001	0.001	< 0.00020	< 0.00020	NR	NR	< 0.00020	< 0.00020	NR	NR
Selenium	7782-49-2	mg/l	0.05	0.0046	0.1	0.21	0.17	0.21	0.17	0.17	*< 0.0050*	*< 0.0050*	NR	NR	*< 0.0050*	*< 0.0050*	NR	NR
Silver	7440-22-4	mg/l	NV	0.000058	0.094	0.02	0.02	0.02	0.02	0.02	*< 0.0050*	*< 0.0050*	NR	NR	*< 0.0050*	*< 0.0050*	NR	NR
Dissolved Metals																		
Chromium, Hexavalent, Dissolved	18540-29-9	mg/l	NV	0.011	0.000035	0.005	0.01	0.005	0.01	0.01	*< 0.0050 H*	*< 0.0050*	NR	*< 0.0050*	*< 0.0050*	*< 0.0050*	NR	*< 0.0050*

Table 2C
Comparison of CAMU Groundwater Data to MCLs, RSLs, ESVs, and Prediction Limits (2016)
U. S. Steel - Gary Works
Gary, Indiana

Notes:

The screening values used for the comparisons include the USEPA Maximum Contaminant Levels (USEPA, 2013), the USEPA Regional Screening Levels for Tapwater (USEPA, May 2016), the Ecological Screening Values (URS, 2011) established for the East Breakwater Area, and CAMU-specific Prediction Limits for metals.
The screening values used metals are the statistically-derived Prediction Limits for the CAMU (May 2017) that are approved by USEPA.
FD - Field Duplicate Sample
MCL - Maximum Contaminant Level
mg/l - milligrams per liter
NR - not required
NV - no value
N - Normal Annual Sample
N-FD Normal Annual Field Duplicate Sample
ug/l - micrograms per liter
USEPA - United States Environmental Protection Agency
V - Verification Sample
V-FD - Verification Field Duplicate Sample
* 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.
< indicates the chemical was not detected. The value presented is the reporting limit.
H indicates the sample hold time was exceeded.
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 one or more of the screening levels
Italics - Indicates the sample result is non-detect and exceeds one or more of the screening levels
- Indicates that a non-detect or detected metals sample result exceeded the Prediction Limit

Table 3
Comparison of CAMU Leak Detection System (LDS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	1503922-01B_RA	1503922-01C_RA	1503922-01C	1503922-01D_RA	1503922-01E	1503922-01F	1503922-01G	1503922-01H	1503922-03A_RA	1503922-03A	500-62890-1	500-62890-1DL
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/18/2015	3/18/2015	9/12/2013	9/12/2013
SVOCs																	
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NR	NR	NR	NR	NR	NR	NR	NR	*10 UJ*	NR	*3.7 U*	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*1.5 U*	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	1.5 U	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NR	NR	NR	NR	NR	NR	NR	NR	10 UJ	NR	7.5 U	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	1.5 U	NR
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*3.7 U*	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*1.5 U*	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*15 U*	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	30 UJ	NR
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	10 UJ	NR	15 U	NR
2,2'-oxybis(2-chloropropane)	39638-32-9	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	3.7 U	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*7.5 U*	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*3.7 U*	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	7.5 U	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NR	NR	NR	NR	NR	NR	NR	NR	15 J	NR	**29**	NR
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	15 U	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*0.75 U*	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*7.5 UJ*	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*0.37 U*	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*7.5 U*	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*1.5 U*	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	3.7 U	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NR	NR	NR	NR	NR	NR	NR	NR	3.2 J	NR	35	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	NR	NR	NR	NR	NR	NR	NR	NR	4.8 J	NR	13	NR
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NR	NR	NR	NR	NR	NR	NR	NR	*10 UJ*	NR	*15 U*	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	3.7 U	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	7.5 U	NR
2-Picoline	109-06-8	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	10 UJ	NR	30 U	NR
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	7.5 U	NR
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	8.7 J	NR	29	NR
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*3.7 U*	NR
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NR	NR	NR	NR	NR	NR	NR	NR	*20 UJ*	NR	*30 U*	NR
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*7.5 U*	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	7.5 U	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*15 U*	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NR	NR	NR	NR	NR	NR	NR	NR	*10 UJ*	NR	*7.5 U*	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*3.7 U*	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	7.5 U	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*7.5 U*	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	3.7 U	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*7.5 U*	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NR	NR	NR	NR	NR	NR	NR	NR	2 J	NR	15 U	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	10 UJ	NR	30 U	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	7.5 U	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*30 U*	NR
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	NR	NR	NR	NR	NR	NR	NR	NR	17 J	NR	NR	**62**
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NR	NR	NR	NR	NR	NR	NR	NR	0.49 J	NR	3.2	NR
Acetophenone	98-86-2	ug/l	NV	1550	1900	NR	NR	NR	NR	NR	NR	NR	NR	1 UJ	NR	6.5	NR
Aniline	62-53-3	ug/l	NV	4.1	13	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*15 U*	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	NR	NR	NR	NR	NR	NR	NR	NR	**0.82 J**	NR	**1.8**	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*7.5 U*	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*0.15 U*	NR
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*0.15 U*	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*0.15 U*	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	0.75 U	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	0.15 U	NR

Table 3
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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	1503922-01B_RA	1503922-01C_RA	1503922-01C	1503922-01D_RA	1503922-01E	1503922-01F	1503922-01G	1503922-01H	1503922-03A_RA	1503922-03A	500-62890-1	500-62890-1DL
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/18/2015	3/18/2015	9/12/2013	9/12/2013
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	*15 UJ*	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	1.5 U	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	1.5 U	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*1.5 U*	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*7.5 U*	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	1.5 U	NR
Carbazole	86-74-8	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	9.6 J	NR	47	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*7.5 U*	NR
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	0.37 U	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*7.5 U*	NR
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*0.22 U*	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NR	NR	NR	NR	NR	NR	NR	NR	3.8 J	NR	**27**	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	1.5 U	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	1.5 U	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	3.7 U	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	7.5 U	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	7.5 U	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	15 U	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NR	NR	NR	NR	NR	NR	NR	NR	0.2 J	NR	0.75 U	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	NR	NR	NR	NR	NR	NR	NR	NR	**4 J**	NR	**12**	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*0.37 U*	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*3.7 U*	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*15 U*	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*3.7 U*	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NR	NR	NR	NR	NR	NR	NR	NR	*40 UJ*	NR	NR	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	10 UJ	NR	15 UJ	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*0.15 U*	NR
Isophorone	78-59-1	ug/l	NV	830	78	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	1.5 U	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	10 UJ	NR	7.5 U	NR
Kepone	143-50-0	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	7.5 UJ	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	10 UJ	NR	30 U	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NR	NR	NR	NR	NR	NR	NR	NR	*10 UJ*	NR	*30 U*	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	NR	NR	NR	NR	NR	NR	NR	NR	**14 J**	NR	NR	**250**
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*0.75 U*	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*15 U*	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*7.5 U*	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*7.5 U*	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*0.37 U*	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	0.75 U	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*15 UJ*	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*15 U*	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	7.5 U	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*7.5 U*	NR
O,O,O-Triethyl phosphorothioate	126-68-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	15 U	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	10 UJ	NR	30 U	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*7.5 U*	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NR	NR	NR	NR	NR	NR	NR	NR	*20 UJ*	NR	*7.5 U*	NR
Pentachloroethane	76-01-7	ug/L	NV	56.4	0.65	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NR	NR	NR	NR	NR	NR	NR	NR	*10 UJ*	NR	*7.5 U*	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*15 UJ*	NR
Phenacetin	62-44-2	ug/l	NV	NV	34	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	7.5 U	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NR	NR	NR	NR	NR	NR	NR	NR	*1.9 UJ*	NR	**5.4**	NR
Phenol	108-95-2	ug/l	NV	180	5800	NR	NR	NR	NR	NR	NR	NR	NR	5.9 J	NR	46	NR
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pronamide	23950-59-5	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR	7.5 U	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR	*0.75 U*	NR
Pyridine	110-86-1	ug/l	NV	NV	20	NR	NR	NR	NR	NR	NR	NR	NR	10 UJ	NR	15 U	NR
Quinoline	91-22-5	ug/l	NV	NV	0.024	NR	NR	NR	NR	NR	NR	NR	NR	NR	0 UX	*30 U*	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NR	NR	NR	NR	NR	NR	NR	NR	*10 UJ*	NR	*7.5 U*	NR

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Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	1503922-01B_RA	1503922-01C_RA	1503922-01C	1503922-01D_RA	1503922-01E	1503922-01F	1503922-01G	1503922-01H	1503922-03A_RA	1503922-03A	500-62890-1	500-62890-1DL
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/18/2015	3/18/2015	9/12/2013	9/12/2013
General Chemistry																	
Ammonia as N	7664-41-7	ug/l	NV	150	NV	NR	NR	NR	**3200**	NR	NR	NR	NR	NR	NR	**9800**	NR
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	*10 UJ*	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Dissolved Oxygen	000000106	m/s	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	8.7	NR
Field Dissolved Oxygen	000000106	ms/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field pH	000010297	S.U.	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	12	NR	NR	12.6	NR
Field Temperature, F	000000086	Degree C	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Temperature, F	000000086	Degree F	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	57.2	NR	NR	63.4	NR
Specific Conductance		uS/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		ms/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	0.01	NR	NR	NR	NR
Specific Conductance		umhos/c	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		uS/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Dissolved Solids		ug/l	NV	NV	NV	NR	NR	NR	NR	1500000	NR	NR	NR	NR	NR	2500000	NR
Total Suspended Solids		ug/l	NV	NV	NV	NR	NR	NR	NR	NR	800 J	NR	NR	NR	NR	2000 U	NR
Inorganics																	
Arsenic	7440-38-2	ug/l	10	150	0.052	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*10 U*	NR
Barium	7440-39-3	ug/l	2000	438	3800	NR	NR	180	NR	NR	NR	NR	NR	NR	NR	310	NR
Cadmium	7440-43-9	ug/l	5	2.2	9.2	NR	NR	0.06 J	NR	NR	NR	NR	NR	NR	NR	2 U	NR
Chromium	7440-47-3	ug/l	100	74	NV	NR	NR	2.7 J	NR	NR	NR	NR	NR	NR	NR	10 U	NR
Lead	7439-92-1	ug/l	15	6.4	15	NR	NR	1.3 J	NR	NR	NR	NR	NR	NR	NR	5 U	NR
Lithium	7439-93-2	ug/l	NV	14	40	NR	**60**	NR	NR	NR	NR	NR	NR	NR	NR	**75**	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	NR	NR	0.02 J	NR	NR	NR	NR	NR	NR	NR	0.2 U	NR
Selenium	7782-49-2	ug/l	50	4.6	100	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*10 U*	NR
Silver	7440-22-4	ug/l	NV	0.12	94	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
PCBs																	
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.2 U	*0.39 U*	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NR	NR	NR	NR	NR	NR	NR	NR	NR	*0.2 U*	*0.39 U*	NR
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NR	NR	NR	NR	NR	NR	NR	NR	NR	*0.2 U*	*0.39 U*	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NR	NR	NR	NR	NR	NR	NR	NR	NR	*0.2 U*	*0.39 U*	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NR	NR	NR	NR	NR	NR	NR	NR	NR	*0.2 U*	*0.39 U*	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NR	NR	NR	NR	NR	NR	NR	NR	NR	*0.2 U*	*0.39 U*	NR
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NR	NR	NR	NR	NR	NR	NR	NR	NR	*0.2 U*	*0.39 U*	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.2 U	0.39 U	NR
VOCs																	
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	*1 UJ*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*2 UJ*	NR
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	2 UJ	NR
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	*1 UJ*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*2 UJ*	NR
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	*1 UJ*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*2 UJ*	NR
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	2 UJ	NR
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	2 UJ	NR
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	*1 UJ*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*2 UJ*	NR
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	*1 UJ*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*4 UJ*	NR
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	*1 UJ*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*2 UJ*	NR
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	*1 UJ*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*2 UJ*	NR
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	*1 UJ*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*2 UJ*	NR
2-Butanone	78-93-3	ug/l	NV	14000	5600	2.5 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	10 UJ	NR
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	*1 UJ*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*2 UJ*	NR
2-Hexanone	591-78-6	ug/l	NV	99	38	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	10 UJ	NR
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	*1 UJ*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	10 UJ	NR
Acetone	67-64-1	ug/l	NV	1700	14000	24 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	73 J	NR
Acetonitrile	75-05-8	ug/l	NV	12000	130	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	40 UJ	NR
Acrolein	107-02-8	ug/l	NV	0.19	0.042	*10 UJ*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*200 UJ*	NR
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	*1 UJ*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*40 UJ*	NR
Benzene	71-43-2	ug/l	5	98	0.46	**19 J**	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**540 J**
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	*1 UJ*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*2 UJ*	NR
Bromoform	75-25-2	ug/l	80	61	3.3	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	2 UJ	NR
Bromomethane	74-83-9	ug/l	NV	16	7.5	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	2 UJ	NR

Table 3
Comparison of CAMU Leak Detection System (LDS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	1503922-01B_RA	1503922-01C_RA	1503922-01C	1503922-01D_RA	1503922-01E	1503922-01F	1503922-01G	1503922-01H	1503922-03A_RA	1503922-03A	500-62890-1	500-62890-1DL
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/18/2015	3/18/2015	9/12/2013	9/12/2013
Carbon disulfide	75-15-0	ug/l	NV	15	810	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	10 UJ	NR
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	*1 UJ*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*2 UJ*	NR
Chlorobenzene	108-90-7	ug/l	100	47	78	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	2 UJ	NR
Chloroethane	75-00-3	ug/l	NV	NV	21000	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	2 UJ	NR
Chloroform	67-66-3	ug/l	80	170	0.22	*1 UJ*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*2 UJ*	NR
Chloromethane	74-87-3	ug/l	NV	NV	190	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	2 UJ	NR
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	*2 UJ*	NR
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	*1 UJ*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*2 UJ*	NR
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	2 UJ	NR
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	2 UJ	NR
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR
Ethylbenzene	100-41-4	ug/l	700	110	1.5	1 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	**5.3 J**	NR
Iodomethane	74-88-4	ug/l	NV	NV	NV	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR
Isobutanol	78-83-1	ug/l	NV	NV	5900	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	200 UJ	NR
m&p-Xylene	179601-23-1	ug/l	NV	NV	NV	6.6 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 UJ	NR
Methylene Chloride	75-09-2	ug/l	5	1500	11	5 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	10 UJ	NR
o-Xylene	95-47-6	ug/l	NV	NV	NV	4 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	*1 UJ*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*20 UJ*	NR
Propionitrile	107-12-0	ug/l	NV	NV	NV	10 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	40 UJ	NR
Styrene	100-42-5	ug/l	100	32	1200	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	2 UJ	NR
Tetrachloroethene	127-18-4	ug/l	5	60	11	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	2 UJ	NR
Toluene	108-88-3	ug/l	1000	94	1100	0.94 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	9.6 J	NR
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	2 UJ	NR
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	*2 UJ*	NR
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	*2 UJ*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*20 UJ*	NR
Trichloroethene	79-01-6	ug/l	5	260	0.49	*1 UJ*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*1 UJ*	NR
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	2 UJ	NR
Vinyl acetate	108-05-4	ug/l	NV	248	410	1 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	4 UJ	NR
Vinyl chloride	75-01-4	ug/l	2	930	0.015	*1 UJ*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*1 UJ*	NR
Xylenes (Total)	1330-20-7	ug/l	10000	35	190	11 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	21 J	NR

Table 3
Comparison of CAMU Leak Detection System (LDS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	500-72979-1	500-72979-1DL	500-84036-1	500-84036-1DL	500-84036-3	500-84036-3DL	510-35402-1	510-37190-1	510-37348-1	510-38436-1	510-39934-1	510-41469-1
					Lab Sample ID	TRG	TRG	TRG	TRG	FD	FD	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	3/11/2014	3/11/2014	9/12/2014	9/12/2014	9/12/2014	9/12/2014	1/6/2009	2/27/2009	3/4/2009	4/1/2009	5/13/2009	6/23/2009
SVOCs																	
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	*20 U*	NR	*38 U*	NR	*37 U*	NR	NR	NR	NR	NR	NR	*25 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	*8 U*	NR	*15 U*	NR	*15 U*	NR	NR	NR	NR	NR	NR	*10 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	8 U	NR	*15 U*	NR	*15 U*	NR	NR	NR	NR	NR	NR	10 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*25 U*
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	8 U	NR	15 U	NR	15 U	NR	NR	NR	NR	NR	NR	10 U
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	*20 U*	NR	*38 U*	NR	*37 U*	NR	NR	NR	NR	NR	NR	*25 U*
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	*8 U*	NR	*15 U*	NR	*15 U*	NR	NR	NR	NR	NR	NR	*10 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	*80 U*	NR	*150 UJ*	NR	*150 UJ*	NR	NR	NR	NR	NR	NR	*100 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	160 U	NR	300 U	NR	300 U	NR	NR	NR	NR	NR	NR	51 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	80 U	NR	150 U	NR	150 U	NR	NR	NR	NR	NR	NR	25 U
2,2'-oxybis(2-chloropropane)	39638-32-9	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	10 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	20 U	NR	38 UJ	NR	37 UJ	NR	NR	NR	NR	NR	NR	25 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*51 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	*20 U*	NR	*38 U*	NR	*37 U*	NR	NR	NR	NR	NR	NR	*25 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*51 U*
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	**58**	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*51 U*
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	*80 U*	NR	*150 U*	NR	*150 U*	NR	NR	NR	NR	NR	NR	*100 U*
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	*4 U*	NR	*7.5 U*	NR	*7.4 U*	NR	NR	NR	NR	NR	NR	*5.1 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*25 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	*2 U*	NR	*3.8 U*	NR	*3.7 U*	NR	NR	NR	NR	NR	NR	*2.5 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*25 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	*8 U*	NR	*15 U*	NR	*15 U*	NR	NR	NR	NR	NR	NR	*10 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	20 U	NR	*38 U*	NR	*37 U*	NR	NR	NR	NR	NR	NR	*25 U*
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	19	NR	33	NR	**39**	NR	NR	NR	NR	NR	NR	**120**
2-Methylphenol	95-48-7	ug/l	NV	67	930	22	NR	15 U	NR	15 U	NR	NR	NR	NR	NR	NR	13
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	*80 U*	NR	*150 U*	NR	*150 U*	NR	NR	NR	NR	NR	NR	*25 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	20 U	NR	38 U	NR	37 U	NR	NR	NR	NR	NR	NR	25 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	40 U	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	51 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	160 U	NR	300 U	NR	300 U	NR	NR	NR	NR	NR	NR	51 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*51 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	45	NR	15 U	NR	15 U	NR	NR	NR	NR	NR	NR	10 U
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	*20 U*	NR	*38 U*	NR	*37 U*	NR	NR	NR	NR	NR	NR	*25 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	*160 U*	NR	*300 U*	NR	*300 U*	NR	NR	NR	NR	NR	NR	*100 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*25 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	40 U	NR	75 U	NR	74 U	NR	NR	NR	NR	NR	NR	51 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	*80 U*	NR	*150 U*	NR	*150 U*	NR	NR	NR	NR	NR	NR	*100 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*25 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	*20 U*	NR	*38 U*	NR	*37 U*	NR	NR	NR	NR	NR	NR	*25 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	40 U	NR	75 U	NR	74 U	NR	NR	NR	NR	NR	NR	51 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	*40 U*	NR	*75 UJ*	NR	*74 UJ*	NR	NR	NR	NR	NR	NR	*51 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	20 U	NR	38 U	NR	37 U	NR	NR	NR	NR	NR	NR	25 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*51 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	*80 U*	NR	*150 U*	NR	*150 U*	NR	NR	NR	NR	NR	NR	*100 U*
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	160 U	NR	300 U	NR	300 U	NR	NR	NR	NR	NR	NR	100 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*25 U*
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	*160 U*	NR	*300 U*	NR	*300 U*	NR	NR	NR	NR	NR	NR	*25 U*
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	200 U
Acenaphthene	83-32-9	ug/l	NV	27	400	**63**	NR	**53**	NR	**55**	NR	NR	NR	NR	NR	NR	**180**
Acenaphthylene	208-96-8	ug/l	NV	4840	400	4.1	NR	7.5 U	NR	7.4 U	NR	NR	NR	NR	NR	NR	26
Acetophenone	98-86-2	ug/l	NV	1550	1900	20 U	NR	38 U	NR	37 U	NR	NR	NR	NR	NR	NR	25 U
Aniline	62-53-3	ug/l	NV	4.1	13	*80 U*	NR	*150 U*	NR	*150 U*	NR	NR	NR	NR	NR	NR	*100 U*
Anthracene	120-12-7	ug/l	NV	0.68	1800	*4 U*	NR	*7.5 U*	NR	*7.4 U*	NR	NR	NR	NR	NR	NR	*5.1 U*
Aramite	140-57-8	ug/l	NV	3.09	1.3	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*25 U*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	*0.8 U*	NR	*1.5 U*	NR	*1.5 U*	NR	NR	NR	NR	NR	NR	*1 U*
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	*0.8 U*	NR	*1.5 U*	NR	*1.5 U*	NR	NR	NR	NR	NR	NR	*1 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	*0.8 U*	NR	*1.5 U*	NR	*1.5 U*	NR	NR	NR	NR	NR	NR	*1 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	4 U	NR	7.5 U	NR	7.4 U	NR	NR	NR	NR	NR	NR	5.1 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	*0.8 U*	NR	*1.5 U*	NR	*1.5 U*	NR	NR	NR	NR	NR	NR	*1 U*

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Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	500-72979-1	500-72979-1DL	500-84036-1	500-84036-1DL	500-84036-3	500-84036-3DL	510-35402-1	510-37190-1	510-37348-1	510-38436-1	510-39934-1	510-41469-1
					Lab Sample ID	TRG	TRG	TRG	TRG	FD	FD	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	3/11/2014	3/11/2014	9/12/2014	9/12/2014	9/12/2014	9/12/2014	1/6/2009	2/27/2009	3/4/2009	4/1/2009	5/13/2009	6/23/2009
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	*80 U*	NR	*150 UJ*	NR	*150 UJ*	NR	NR	NR	NR	NR	NR	*100 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	8 U	NR	15 UJ	NR	15 UJ	NR	NR	NR	NR	NR	NR	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	8 U	NR	15 U	NR	15 U	NR	NR	NR	NR	NR	NR	10 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	*8 U*	NR	*15 U*	NR	*15 U*	NR	NR	NR	NR	NR	NR	*10 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	*40 U*	NR	*75 UJ*	NR	*74 UJ*	NR	NR	NR	NR	NR	NR	*51 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	8 U	NR	15 U	NR	15 U	NR	NR	NR	NR	NR	NR	10 U
Carbazole	86-74-8	ug/l	NV	NV	NV	58	NR	61	NR	65	NR	NR	NR	NR	NR	NR	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*25 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	2 U	NR	*3.8 U*	NR	*3.7 U*	NR	NR	NR	NR	NR	NR	*2.5 U*
Diallate	2303-16-4	ug/l	NV	NV	0.54	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*25 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	*1.2 U*	NR	*2.3 U*	NR	*2.2 U*	NR	NR	NR	NR	NR	NR	*1.5 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	**19**	NR	**24**	NR	**23**	NR	NR	NR	NR	NR	NR	**93**
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	8 U	NR	15 U	NR	15 U	NR	NR	NR	NR	NR	NR	10 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	8 U	NR	15 U	NR	15 U	NR	NR	NR	NR	NR	NR	10 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	*20 U*	NR	*38 U*	NR	*37 U*	NR	NR	NR	NR	NR	NR	*25 U*
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*51 U*
Diphenylamine	122-39-4	ug/l	NV	412	310	40 U	NR	75 U	NR	74 U	NR	NR	NR	NR	NR	NR	25 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	80 U	NR	150 U	NR	150 U	NR	NR	NR	NR	NR	NR	25 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	*4 U*	NR	*7.5 UJ*	NR	*7.4 UJ*	NR	NR	NR	NR	NR	NR	*5.1 U*
Fluorene	86-73-7	ug/l	NV	2.4	290	**9.6**	NR	**13**	NR	**14**	NR	NR	NR	NR	NR	NR	**61**
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	*2 U*	NR	*3.8 U*	NR	*3.7 U*	NR	NR	NR	NR	NR	NR	*2.5 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	*20 U*	NR	*38 UJ*	NR	*37 UJ*	NR	NR	NR	NR	NR	NR	*25 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	*80 UJ*	NR	*150 U*	NR	*150 U*	NR	NR	NR	NR	NR	NR	*100 U*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	*20 U*	NR	*38 U*	NR	*37 U*	NR	NR	NR	NR	NR	NR	*25 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	*320 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	*510 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	80 U	NR	150 U	NR	150 U	NR	NR	NR	NR	NR	NR	100 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	*0.8 U*	NR	*1.5 U*	NR	*1.5 U*	NR	NR	NR	NR	NR	NR	*1 U*
Isophorone	78-59-1	ug/l	NV	830	78	8 U	NR	15 U	NR	15 U	NR	NR	NR	NR	NR	NR	10 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	40 U	NR	75 U	NR	74 U	NR	NR	NR	NR	NR	NR	25 U
Kepone	143-50-0	ug/l	NV	NV	NV	NR	NR	75 U	NR	74 U	NR	NR	NR	NR	NR	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	160 U	NR	300 U	NR	300 U	NR	NR	NR	NR	NR	NR	200 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	*160 U*	NR	*300 U*	NR	*300 U*	NR	NR	NR	NR	NR	NR	*25 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	**250**	NR	NR	**550**	NR	**640**	NR	NR	NR	NR	NR	**1000**
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	*4 U*	NR	*7.5 U*	NR	*7.4 U*	NR	NR	NR	NR	NR	NR	*5.1 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	*80 U*	NR	*150 U*	NR	*150 U*	NR	NR	NR	NR	NR	NR	*25 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*51 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*25 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	*2 U*	NR	*3.8 U*	NR	*3.7 U*	NR	NR	NR	NR	NR	NR	*2.5 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	4 U	NR	7.5 U	NR	7.4 U	NR	NR	NR	NR	NR	NR	5.1 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	*80 U*	NR	*150 UJ*	NR	*150 UJ*	NR	NR	NR	NR	NR	NR	*25 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	*80 U*	NR	*150 U*	NR	*150 U*	NR	NR	NR	NR	NR	NR	*25 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	40 U	NR	75 U	NR	74 U	NR	NR	NR	NR	NR	NR	25 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*25 U*
O,O,O-Triethyl phosphorothioate	126-68-1	ug/l	NV	NV	NV	NR	NR	150 U	NR	150 U	NR	NR	NR	NR	NR	NR	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	160 U	NR	300 U	NR	300 U	NR	NR	NR	NR	NR	NR	25 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*25 U*
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*25 U*
Pentachloroethane	76-01-7	ug/L	NV	56.4	0.65	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*25 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	*80 U*	NR	*150 U*	NR	*150 U*	NR	NR	NR	NR	NR	NR	*100 U*
Phenacetin	62-44-2	ug/l	NV	NV	34	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	25 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	*4 U*	NR	*7.5 U*	NR	*7.4 U*	NR	NR	NR	NR	NR	NR	**24**
Phenol	108-95-2	ug/l	NV	180	5800	76	NR	38 U	NR	37 U	NR	NR	NR	NR	NR	NR	25 U
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	200 U
Pronamide	23950-59-5	ug/l	NV	NV	NV	40 U	NR	75 U	NR	74 U	NR	NR	NR	NR	NR	NR	25 U
Pyrene	129-00-0	ug/l	NV	0.3	120	*4 U*	NR	*7.5 U*	NR	*7.4 U*	NR	NR	NR	NR	NR	NR	*5.1 U*
Pyridine	110-86-1	ug/l	NV	NV	20	*80 U*	NR	*150 U*	NR	*150 U*	NR	NR	NR	NR	NR	NR	*100 U*
Quinoline	91-22-5	ug/l	NV	NV	0.024	*160 U*	NR	*300 U*	NR	*300 U*	NR	NR	NR	NR	NR	NR	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	*40 U*	NR	*75 U*	NR	*74 U*	NR	NR	NR	NR	NR	NR	*25 U*

Table 3
Comparison of CAMU Leak Detection System (LDS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	500-72979-1	500-72979-1DL	500-84036-1	500-84036-1DL	500-84036-3	500-84036-3DL	510-35402-1	510-37190-1	510-37348-1	510-38436-1	510-39934-1	510-41469-1
					Lab Sample ID	TRG	TRG	TRG	TRG	FD	FD	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	3/11/2014	3/11/2014	9/12/2014	9/12/2014	9/12/2014	9/12/2014	1/6/2009	2/27/2009	3/4/2009	4/1/2009	5/13/2009	6/23/2009
General Chemistry																	
Ammonia as N	7664-41-7	ug/l	NV	150	NV	**16000**	NR	**4300**	NR	**3800**	NR	NR	NR	NR	NR	NR	NR
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	*10 UJ*	NR	*10 UJ*	NR	*10 UJ*	NR	NR	NR	NR	NR	NR	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Dissolved Oxygen	000000106	m/s	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Dissolved Oxygen	000000106	ms/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field pH	000010297	S.U.	NV	NV	NV	12.3	NR	12.5	NR	12.4	NR	11.11	12.1	12.3	12	11.7	10.4
Field Temperature, F	000000086	Degree C	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	14	14.2	NR	NR	17
Field Temperature, F	000000086	Degree F	NV	NV	NV	61.1	NR	59.7	NR	59.7	NR	30.1	NR	NR	43.1	50	NR
Specific Conductance		uS/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		ms/cm	NV	NV	NV	9.1	NR	7.4	NR	7.4	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		umhos/c	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		uS/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	10.2	13	11.2	13	10.1	11.4
Total Dissolved Solids		ug/l	NV	NV	NV	2400000	NR	2200000	NR	2300000	NR	NR	NR	NR	NR	NR	NR
Total Suspended Solids		ug/l	NV	NV	NV	5000 U	NR	2000 U	NR	2000 U	NR	NR	NR	NR	NR	NR	NR
Inorganics																	
Arsenic	7440-38-2	ug/l	10	150	0.052	*10 U*	NR	*10 U*	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR
Barium	7440-39-3	ug/l	2000	438	3800	410	NR	300	NR	320	NR	NR	NR	NR	NR	NR	NR
Cadmium	7440-43-9	ug/l	5	2.2	9.2	2 U	NR	2 U	NR	2 U	NR	NR	NR	NR	NR	NR	NR
Chromium	7440-47-3	ug/l	100	74	NV	10 U	NR	10 U	NR	10 U	NR	NR	NR	NR	NR	NR	NR
Lead	7439-92-1	ug/l	15	6.4	15	5 U	NR	5 U	NR	5 U	NR	NR	NR	NR	NR	NR	NR
Lithium	7439-93-2	ug/l	NV	14	40	**71**	NR	**85**	NR	**92**	NR	NR	NR	NR	NR	NR	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2 U	NR	0.43 J	NR	0.3 J	NR	NR	NR	NR	NR	NR	NR
Selenium	7782-49-2	ug/l	50	4.6	100	*10 U*	NR	*10 U*	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR
Silver	7440-22-4	ug/l	NV	0.12	94	*5 U*	NR	*5 U*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
PCBs																	
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	*0.4 U*	NR	*0.39 UJ*	NR	*0.41 UJ*	NR	*0.55 U*	*0.52 U*	*0.57 U*	*0.52 U*	*0.52 U*	*0.54 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	*0.4 U*	NR	*0.39 U*	NR	*0.41 U*	NR	*0.55 U*	*0.52 U*	*0.57 U*	*0.52 U*	*0.52 U*	*0.54 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	*0.4 U*	NR	*0.39 U*	NR	*0.41 U*	NR	*0.55 U*	*0.52 U*	*0.57 U*	*0.52 U*	*0.52 U*	*0.54 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	*0.4 U*	NR	*0.39 U*	NR	*0.41 U*	NR	*0.55 U*	*0.52 U*	*0.57 U*	*0.52 U*	*0.52 U*	*0.54 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	*0.4 U*	NR	*0.39 U*	NR	*0.41 U*	NR	*0.55 U*	*0.52 U*	*0.57 U*	*0.52 U*	*0.52 U*	*0.54 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	*0.4 U*	NR	*0.39 U*	NR	*0.41 U*	NR	*0.55 U*	*0.52 U*	*0.57 U*	*0.52 U*	*0.52 U*	*0.54 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	*0.4 UJ*	NR	*0.39 UJ*	NR	*0.41 UJ*	NR	*0.55 U*	*0.52 U*	*0.57 U*	*0.52 U*	*0.52 U*	*0.54 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	0.4 UJ	NR	0.39 UJ	NR	0.41 UJ	NR	0.55 U	0.52 U	0.57 U	0.52 U	0.52 U	0.54 U
VOCs																	
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	*1 UJ*	NR	*1 UJ*	NR	*1 UJ*	NR	*2 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	1 UJ	NR	1 UJ	NR	1 UJ	NR	2 U	1 U	1 U	1 U	1 U	5 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	*1 UJ*	NR	*1 UJ*	NR	*1 UJ*	NR	*2 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	*1 UJ*	NR	*1 UJ*	NR	*1 UJ*	NR	*2 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	1 UJ	NR	1 UJ	NR	1 UJ	NR	2 U	1 U	1 U	1 U	1 U	*5 U*
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	1 UJ	NR	1 UJ	NR	1 UJ	NR	2 U	1 U	1 U	1 U	1 U	5 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	*1 UJ*	NR	*1 UJ*	NR	*1 UJ*	NR	*2 U*	*1 U*	*1 UJ*	*1 U*	*1 U*	*5 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	*2 UJ*	NR	*2 UJ*	NR	*2 UJ*	NR	*4 U*	*2 U*	*2 UJ*	*2 U*	*2 U*	*10 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	*1 UJ*	NR	*1 UJ*	NR	*1 UJ*	NR	*2 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	*1 UJ*	NR	*1 UJ*	NR	*1 UJ*	NR	*2 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	*1 UJ*	NR	*1 UJ*	NR	*1 UJ*	NR	*2 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	12 J	NR	5 UJ	NR	5 UJ	NR	10 U	5 U	5 U	5 U	5 U	25 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	*1 UJ*	NR	*1 UJ*	NR	*1 UJ*	NR	*2 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	5 UJ	NR	5 UJ	NR	5 UJ	NR	10 U	5 U	5 U	5 U	5 U	25 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	*2.5 UJ*	NR	*2.5 UJ*	NR	*2.5 UJ*	NR	*5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*12 U*
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	5 UJ	NR	5 UJ	NR	5 UJ	NR	10 U	5 U	5 U	5 U	5 U	25 U
Acetone	67-64-1	ug/l	NV	1700	14000	68 J	NR	37 J	NR	36 J	NR	41	18	18	12	20	25 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	20 UJ	NR	20 UJ	NR	20 UJ	NR	40 U	20 U	20 U	20 U	20 U	100 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	*100 UJ*	NR	*100 UJ*	NR	*100 UJ*	NR	*200 U*	*100 U*	*100 U*	*100 U*	*100 U*	*500 U*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	*20 UJ*	NR	*20 UJ*	NR	*20 UJ*	NR	*40 U*	*20 U*	*20 U*	*20 U*	*20 U*	*100 U*
Benzene	71-43-2	ug/l	5	98	0.46	NR	**730 J**	**130 J**	NR	**130 J**	NR	**770**	**6**	**330**	**1.3**	*1 U*	**15**
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	*1 UJ*	NR	*1 UJ*	NR	*1 UJ*	NR	*2 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*
Bromoform	75-25-2	ug/l	80	61	3.3	1 UJ	NR	1 UJ	NR	1 UJ	NR	2 U	1 U	1 U	1 U	1 U	*5 U*
Bromomethane	74-83-9	ug/l	NV	16	7.5	1 UJ	NR	1 UJ	NR	1 UJ	NR	2 U	1 U	1 U	1 U	1 U	5 U

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Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	500-72979-1	500-72979-1DL	500-84036-1	500-84036-1DL	500-84036-3	500-84036-3DL	510-35402-1	510-37190-1	510-37348-1	510-38436-1	510-39934-1	510-41469-1
					Lab Sample ID	TRG	TRG	TRG	TRG	FD	FD	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	3/11/2014	3/11/2014	9/12/2014	9/12/2014	9/12/2014	9/12/2014	1/6/2009	2/27/2009	3/4/2009	4/1/2009	5/13/2009	6/23/2009
Carbon disulfide	75-15-0	ug/l	NV	15	810	5 UJ	NR	5 UJ	NR	5 UJ	NR	10 U	5 U	5 U	5 U	5 U	*25 U*
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	*1 UJ*	NR	*1 UJ*	NR	*1 UJ*	NR	*2 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	1 UJ	NR	1 UJ	NR	1 UJ	NR	2 U	1 U	1 U	1 U	1 U	5 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	1 UJ	NR	1 UJ	NR	1 UJ	NR	2 U	1 U	1 U	1 U	1 U	5 U
Chloroform	67-66-3	ug/l	80	170	0.22	*1 UJ*	NR	*1 UJ*	NR	*1 UJ*	NR	*2 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	1 UJ	NR	1 UJ	NR	1 UJ	NR	2 U	1 U	1 U	1 U	1 U	5 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	1 UJ	NR	1 UJ	NR	1 UJ	NR	*2 U*	1 U	1 U	1 U	1 U	*5 U*
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	*1 UJ*	NR	*1 UJ*	NR	*1 UJ*	NR	*2 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	1 UJ	NR	1 UJ	NR	1 UJ	NR	2 U	1 U	1 U	1 U	1 U	5 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	1 UJ	NR	1 UJ	NR	1 UJ	NR	2 U	1 U	1 U	1 U	1 U	5 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	2.5 UJ	NR	2.5 UJ	NR	2.5 UJ	NR	5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	**2.5 J**	NR	**4.7 J**	NR	**4.7 J**	NR	**5.2**	1 U	**6.7**	1 U	1 U	*5 U*
Iodomethane	74-88-4	ug/l	NV	NV	NV	2.5 UJ	NR	2.5 UJ	NR	2.5 UJ	NR	5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	100 UJ	NR	100 UJ	NR	100 UJ	NR	200 U	100 U	100 U	100 U	100 U	500 U
m&p-Xylene	179601-23-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	*2.5 UJ*	NR	*2.5 UJ*	NR	*2.5 UJ*	NR	*5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*12 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	2.5 UJ	NR	2.5 UJ	NR	2.5 UJ	NR	5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	5 UJ	NR	5 UJ	NR	5 UJ	NR	4 U	2 U	2 U	3.1	2 U	10 U
o-Xylene	95-47-6	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	*10 UJ*	NR	*10 UJ*	NR	*10 UJ*	NR	*5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*12 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	20 UJ	NR	20 UJ	NR	20 UJ	NR	40 U	20 U	20 U	20 U	20 U	100 U
Styrene	100-42-5	ug/l	100	32	1200	1 UJ	NR	1 UJ	NR	1 UJ	NR	2 U	1 U	1 U	1 U	1 U	5 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	1 UJ	NR	1 UJ	NR	1 UJ	NR	2 U	1 U	1 U	1 U	1 U	5 U
Toluene	108-88-3	ug/l	1000	94	1100	6.1 J	NR	6.4 J	NR	6.5 J	NR	12	1 U	8.6	1 U	1 U	5.2
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	1 UJ	NR	1 UJ	NR	1 UJ	NR	2 U	1 U	1 U	1 U	1 U	5 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	1 UJ	NR	1 UJ	NR	1 UJ	NR	*2 U*	1 U	1 U	1 U	1 U	*5 U*
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	*10 UJ*	NR	*10 UJ*	NR	*10 UJ*	NR	*5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*2.5 U*	*12 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	*0.5 UJ*	NR	*0.5 UJ*	NR	*0.5 UJ*	NR	*2 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	1 UJ	NR	1 UJ	NR	1 UJ	NR	2 U	1 U	1 U	1 U	1 U	5 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	2 UJ	NR	2 UJ	NR	2 UJ	NR	10 U	5 U	5 U	5 U	5 U	25 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	*0.5 UJ*	NR	*0.5 UJ*	NR	*0.5 UJ*	NR	*2 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*
Xylenes (Total)	1330-20-7	ug/l	10000	35	190	12 J	NR	19 J	NR	19 J	NR	19	2 U	18	2 U	2 U	12

Table 3
Comparison of CAMU Leak Detection System (LDS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	510-42230-1	510-43742-1	510-45743-1	510-46218-1	510-47658-1	510-47658-2	510-48076-1	510-48076-2	510-48616-1	510-49762-1	510-50885-1	510-51884-1
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	FD	TRG	FD	TRG	TRG	TRG	TRG
					Sample Type	7/14/2009	8/25/2009	10/20/2009	11/3/2009	12/16/2009	12/16/2009	12/31/2009	12/31/2009	1/19/2010	2/23/2010	3/30/2010	4/28/2010
SVOCs																	
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NR	NR	NR	NR	*21 U*	*20 UJ*	NR	NR	NR	NR	NR	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NR	NR	NR	NR	*21 U*	*20 UJ*	NR	NR	NR	NR	NR	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NR	NR	NR	NR	21 U	20 UJ	NR	NR	NR	NR	NR	NR
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NR	NR	NR	NR	*21 U*	*20 UJ*	NR	NR	NR	NR	NR	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NR	NR	NR	NR	*210 U*	*200 UJ*	NR	NR	NR	NR	NR	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NR	NR	NR	NR	100 U	100 UJ	NR	NR	NR	NR	NR	NR
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NR	NR	NR	NR	52 U	51 UJ	NR	NR	NR	NR	NR	NR
2,2'-oxybis(2-chloropropane)	39638-32-9	ug/l	NV	NV	NV	NR	NR	NR	NR	21 U	20 UJ	NR	NR	NR	NR	NR	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NR	NR	NR	NR	52 U	51 UJ	NR	NR	NR	NR	NR	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NR	NR	NR	NR	*100 U*	*100 UJ*	NR	NR	NR	NR	NR	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NR	NR	NR	NR	*100 U*	*100 UJ*	NR	NR	NR	NR	NR	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NR	NR	NR	NR	**100**	**120 J**	NR	NR	NR	NR	NR	NR
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NR	NR	NR	NR	*210 U*	*200 UJ*	NR	NR	NR	NR	NR	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NR	NR	NR	NR	*10 U*	*10 UJ*	NR	NR	NR	NR	NR	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NR	NR	NR	NR	*5.2 U*	*5.1 UJ*	NR	NR	NR	NR	NR	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NR	NR	NR	NR	*21 U*	*20 UJ*	NR	NR	NR	NR	NR	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NR	NR	NR	NR	**50**	**53 J**	NR	NR	NR	NR	NR	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	NR	NR	NR	NR	40	46 J	NR	NR	NR	NR	NR	NR
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NR	NR	NR	NR	52 U	51 UJ	NR	NR	NR	NR	NR	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NR	NR	NR	NR	*100 U*	*100 UJ*	NR	NR	NR	NR	NR	NR
2-Picoline	109-06-8	ug/l	NV	NV	NV	NR	NR	NR	NR	100 U	100 UJ	NR	NR	NR	NR	NR	NR
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NR	NR	NR	NR	*100 U*	*100 UJ*	NR	NR	NR	NR	NR	NR
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NR	NR	NR	NR	72	82 J	NR	NR	NR	NR	NR	NR
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NR	NR	NR	NR	*210 U*	*200 UJ*	NR	NR	NR	NR	NR	NR
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NR	NR	NR	NR	100 U	100 UJ	NR	NR	NR	NR	NR	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NR	NR	NR	NR	*210 U*	*200 UJ*	NR	NR	NR	NR	NR	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NR	NR	NR	NR	100 U	100 UJ	NR	NR	NR	NR	NR	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NR	NR	NR	NR	*100 U*	*100 UJ*	NR	NR	NR	NR	NR	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NR	NR	NR	NR	52 U	51 UJ	NR	NR	NR	NR	NR	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NR	NR	NR	NR	*100 U*	*100 UJ*	NR	NR	NR	NR	NR	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NR	NR	NR	NR	*210 U*	*200 UJ*	NR	NR	NR	NR	NR	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NR	NR	NR	NR	210 U	200 UJ	NR	NR	NR	NR	NR	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NR	NR	NR	NR	420 U	410 UJ	NR	NR	NR	NR	NR	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	NR	NR	NR	NR	**81**	**84 J**	NR	NR	NR	NR	NR	NR
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NR	NR	NR	NR	10 U	10 UJ	NR	NR	NR	NR	NR	NR
Acetophenone	98-86-2	ug/l	NV	1550	1900	NR	NR	NR	NR	52 U	51 UJ	NR	NR	NR	NR	NR	NR
Aniline	62-53-3	ug/l	NV	4.1	13	NR	NR	NR	NR	*210 U*	*200 UJ*	NR	NR	NR	NR	NR	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	NR	NR	NR	NR	*10 U*	*10 UJ*	NR	NR	NR	NR	NR	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NR	NR	NR	NR	*2.1 U*	*2 UJ*	NR	NR	NR	NR	NR	NR
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NR	NR	NR	NR	*2.1 U*	*2 UJ*	NR	NR	NR	NR	NR	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NR	NR	NR	NR	*2.1 U*	*2 UJ*	NR	NR	NR	NR	NR	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NR	NR	NR	NR	*10 U*	*10 UJ*	NR	NR	NR	NR	NR	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NR	NR	NR	NR	*2.1 U*	*2 UJ*	NR	NR	NR	NR	NR	NR

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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	510-42230-1	510-43742-1	510-45743-1	510-46218-1	510-47658-1	510-47658-2	510-48076-1	510-48076-2	510-48616-1	510-49762-1	510-50885-1	510-51884-1
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	FD	TRG	FD	TRG	TRG	TRG	TRG
					Sample Type	7/14/2009	8/25/2009	10/20/2009	11/3/2009	12/16/2009	12/16/2009	12/31/2009	12/31/2009	1/19/2010	2/23/2010	3/30/2010	4/28/2010
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NR	NR	NR	NR	*210 U*	*200 UJ*	NR	NR	NR	NR	NR	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NR	NR	NR	NR	21 U	20 UJ	NR	NR	NR	NR	NR	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NR	NR	NR	NR	*21 U*	*20 UJ*	NR	NR	NR	NR	NR	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NR	NR	NR	NR	*100 U*	*100 UJ*	NR	NR	NR	NR	NR	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NR	NR	NR	NR	*21 U*	*20 UJ*	NR	NR	NR	NR	NR	NR
Carbazole	86-74-8	ug/l	NV	NV	NV	NR	NR	NR	NR	88	95 J	NR	NR	NR	NR	NR	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NR	NR	NR	NR	*5.2 U*	*5.1 UJ*	NR	NR	NR	NR	NR	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NR	NR	NR	NR	*3.1 U*	*3.1 UJ*	NR	NR	NR	NR	NR	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NR	NR	NR	NR	**30**	**29 J**	NR	NR	NR	NR	NR	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NR	NR	NR	NR	21 U	20 UJ	NR	NR	NR	NR	NR	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NR	NR	NR	NR	21 U	20 UJ	NR	NR	NR	NR	NR	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NR	NR	NR	NR	*100 U*	*100 UJ*	NR	NR	NR	NR	NR	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	NR	NR	NR	NR	52 U	51 UJ	NR	NR	NR	NR	NR	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NR	NR	NR	NR	52 U	51 UJ	NR	NR	NR	NR	NR	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NR	NR	NR	NR	*10 U*	*10 UJ*	NR	NR	NR	NR	NR	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	NR	NR	NR	NR	**17**	**17 J**	NR	NR	NR	NR	NR	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NR	NR	NR	NR	*5.2 U*	*5.1 UJ*	NR	NR	NR	NR	NR	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NR	NR	NR	NR	*210 U*	*200 UJ*	NR	NR	NR	NR	NR	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NR	NR	NR	NR	*1000 U*	*1000 UJ*	NR	NR	NR	NR	NR	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NR	NR	NR	NR	210 U	200 UJ	NR	NR	NR	NR	NR	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NR	NR	NR	NR	*2.1 U*	*2 UJ*	NR	NR	NR	NR	NR	NR
Isophorone	78-59-1	ug/l	NV	830	78	NR	NR	NR	NR	21 U	20 UJ	NR	NR	NR	NR	NR	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	52 U	51 UJ	NR	NR	NR	NR	NR	NR
Kepone	143-50-0	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NR	NR	NR	NR	420 U	410 UJ	NR	NR	NR	NR	NR	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	NR	NR	NR	NR	**590**	**690 J**	NR	NR	NR	NR	NR	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NR	NR	NR	NR	*10 U*	*10 UJ*	NR	NR	NR	NR	NR	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NR	NR	NR	NR	*100 U*	*100 UJ*	NR	NR	NR	NR	NR	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NR	NR	NR	NR	*5.2 U*	*5.1 UJ*	NR	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NR	NR	NR	NR	10 U	10 UJ	NR	NR	NR	NR	NR	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NR	NR	NR	NR	52 U	51 UJ	NR	NR	NR	NR	NR	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
O,O,O-Triethyl phosphorothioate	126-68-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NR	NR	NR	NR	52 U	51 UJ	NR	NR	NR	NR	NR	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
Pentachloroethane	76-01-7	ug/L	NV	56.4	0.65	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NR	NR	NR	NR	*210 U*	*200 UJ*	NR	NR	NR	NR	NR	NR
Phenacetin	62-44-2	ug/l	NV	NV	34	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NR	NR	NR	NR	*10 U*	*10 UJ*	NR	NR	NR	NR	NR	NR
Phenol	108-95-2	ug/l	NV	180	5800	NR	NR	NR	NR	76	90 J	NR	NR	NR	NR	NR	NR
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NR	NR	NR	NR	420 U	410 UJ	NR	NR	NR	NR	NR	NR
Pronamide	23950-59-5	ug/l	NV	NV	NV	NR	NR	NR	NR	52 U	51 UJ	NR	NR	NR	NR	NR	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	NR	NR	NR	NR	*10 U*	*10 UJ*	NR	NR	NR	NR	NR	NR
Pyridine	110-86-1	ug/l	NV	NV	20	NR	NR	NR	NR	*210 U*	*200 UJ*	NR	NR	NR	NR	NR	NR
Quinoline	91-22-5	ug/l	NV	NV	0.024	NR	NR	NR	NR	*100 U*	*100 UJ*	NR	NR	NR	NR	NR	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NR	NR	NR	NR	*52 U*	*51 UJ*	NR	NR	NR	NR	NR	NR

Table 3
Comparison of CAMU Leak Detection System (LDS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	510-42230-1	510-43742-1	510-45743-1	510-46218-1	510-47658-1	510-47658-2	510-48076-1	510-48076-2	510-48616-1	510-49762-1	510-50885-1	510-51884-1
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	FD	TRG	FD	TRG	TRG	TRG	TRG
					Sample Type	7/14/2009	8/25/2009	10/20/2009	11/3/2009	12/16/2009	12/16/2009	12/31/2009	12/31/2009	1/19/2010	2/23/2010	3/30/2010	4/28/2010
General Chemistry																	
Ammonia as N	7664-41-7	ug/l	NV	150	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Dissolved Oxygen	000000106	m/s	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Dissolved Oxygen	000000106	ms/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field pH	000010297	S.U.	NV	NV	NV	12.12	11.2	11.1	11.5	10.7	NR	NR	NR	11.2	12.3	12.3	12.3
Field Temperature, F	000000086	Degree C	NV	NV	NV	NR	17.2	19	NR	16	NR	NR	NR	16.2	NR	NR	NR
Field Temperature, F	000000086	Degree F	NV	NV	NV	75	NR	NR	50.2	NR	NR	NR	NR	NR	42	45	53
Specific Conductance		uS/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		ms/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		umhos/c	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		uS/cm	NV	NV	NV	10	10.1	10.2	12.3	11.4	NR	NR	NR	12.5	13	14.3	14.58
Total Dissolved Solids		ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Suspended Solids		ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Inorganics																	
Arsenic	7440-38-2	ug/l	10	150	0.052	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	7440-39-3	ug/l	2000	438	3800	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	7440-43-9	ug/l	5	2.2	9.2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	7440-47-3	ug/l	100	74	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	7439-92-1	ug/l	15	6.4	15	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	7439-93-2	ug/l	NV	14	40	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	7782-49-2	ug/l	50	4.6	100	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Silver	7440-22-4	ug/l	NV	0.12	94	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
PCBs																	
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	*0.56 U*	*0.51 U*	*0.52 U*	*0.56 U*	*0.52 U*	*0.53 U*	NR	NR	*0.52 U*	*0.52 U*	*0.52 U*	*0.55 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	*0.56 U*	*0.51 U*	*0.52 U*	*0.56 U*	*0.52 U*	*0.53 U*	NR	NR	*0.52 U*	*0.52 U*	*0.52 U*	*0.55 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	*0.56 U*	*0.51 U*	*0.52 U*	*0.56 U*	*0.52 U*	*0.53 U*	NR	NR	*0.52 U*	*0.52 U*	*0.52 U*	*0.55 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	*0.56 U*	*0.51 U*	*0.52 U*	*0.56 U*	*0.52 U*	*0.53 U*	NR	NR	*0.52 U*	*0.52 U*	*0.52 U*	*0.55 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	*0.56 U*	*0.51 U*	*0.52 U*	*0.56 U*	*0.52 U*	*0.53 U*	NR	NR	*0.52 U*	*0.52 U*	*0.52 U*	*0.55 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	*0.56 U*	*0.51 U*	*0.52 U*	*0.56 U*	*0.52 U*	*0.53 U*	NR	NR	*0.52 U*	*0.52 U*	*0.52 U*	*0.55 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	*0.56 U*	*0.51 U*	*0.52 U*	*0.56 U*	*0.52 U*	*0.53 U*	NR	NR	*0.52 U*	*0.52 U*	*0.52 U*	*0.55 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	0.56 U	0.51 U	NR	NR	0.52 U	0.53 U	NR	NR	NR	0.52 U	0.52 U	0.55 U
VOCs																	
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	*1 U*	*5 UX*	*10 UJ*	*10 UJ*	NR	NR	*10 U*	*10 U*	*10 U*	R	*10 U*	*10 UJ*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	1 U	5 UX	10 UJ	10 UJ	NR	NR	10 U	10 U	10 U	R	10 U	10 UJ
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	*1 U*	*5 UX*	*10 UJ*	*10 UJ*	NR	NR	*10 U*	*10 U*	*10 U*	R	*10 U*	*10 UJ*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	*1 U*	*5 UX*	*10 UJ*	*10 UJ*	NR	NR	*10 U*	*10 U*	*10 U*	R	*10 U*	*10 UJ*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	1 U	*5 UX*	*10 UJ*	*10 UJ*	NR	NR	*10 U*	*10 U*	*10 U*	R	*10 U*	*10 UJ*
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	1 U	5 UX	10 UJ	10 UJ	NR	NR	10 U	10 U	10 U	R	10 U	10 UJ
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	*1 U*	*5 UX*	*10 UJ*	*10 UJ*	NR	NR	*10 U*	*10 U*	*10 U*	R	*10 U*	*10 UJ*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	*2 U*	*10 UX*	*20 UJ*	*20 UJ*	NR	NR	*20 U*	*20 U*	*20 U*	R	*20 U*	*20 UJ*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	*1 U*	*5 UX*	*10 UJ*	*10 UJ*	NR	NR	*10 U*	*10 U*	*10 U*	R	*10 U*	*10 UJ*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	*1 U*	*5 UX*	*10 UJ*	*10 UJ*	NR	NR	*10 U*	*10 U*	*10 U*	R	*10 U*	*10 UJ*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	*1 U*	*5 UX*	*10 UJ*	*10 UJ*	NR	NR	*10 U*	*10 U*	*10 U*	R	*10 U*	*10 UJ*
2-Butanone	78-93-3	ug/l	NV	14000	5600	5 U	25 UX	50 UJ	50 UJ	NR	NR	50 U	50 U	50 U	R	50 U	50 UJ
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	*1 U*	*5 UX*	*10 UJ*	*10 UJ*	NR	NR	*10 U*	*10 U*	*10 U*	R	*10 U*	*10 UJ*
2-Hexanone	591-78-6	ug/l	NV	99	38	5 U	25 UX	*50 UJ*	*50 UJ*	NR	NR	*50 U*	*50 U*	*50 U*	R	*50 U*	*50 UJ*
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	*2.5 U*	*12 UX*	*25 UJ*	*25 UJ*	NR	NR	*25 U*	*25 U*	*25 U*	R	*25 U*	*25 UJ*
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	5 U	25 UX	50 UJ	50 UJ	NR	NR	50 U	50 U	50 U	R	50 U	50 UJ
Acetone	67-64-1	ug/l	NV	1700	14000	9.4	94 J	56 J	52 J	NR	NR	50 U	50 U	50 U	R	52	50 UJ
Acetonitrile	75-05-8	ug/l	NV	12000	130	20 U	100 UX	*200 UJ*	*200 UJ*	NR	NR	*200 U*	*200 U*	*200 U*	R	*200 U*	*200 UJ*
Acrolein	107-02-8	ug/l	NV	0.19	0.042	*100 U*	*500 UX*	*1000 UJ*	*1000 UJ*	NR	NR	*1000 U*	*1000 U*	*1000 U*	R	*1000 U*	*1000 UJ*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	*20 U*	*100 UX*	*200 UJ*	*200 UJ*	NR	NR	*200 U*	*200 U*	*200 U*	R	*200 U*	*200 UJ*
Benzene	71-43-2	ug/l	5	98	0.46	*1 U*	**1300 J**	**15 J**	**15 J**	NR	NR	**2400**	**2500**	**2100**	**2000 J**	**2300**	**2600**
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	*1 U*	*5 UX*	*10 UJ*	*10 UJ*	NR	NR	*10 U*	*10 U*	*10 U*	R	*10 U*	*10 UJ*
Bromoform	75-25-2	ug/l	80	61	3.3	1 U	*5 UX*	*10 UJ*	*10 UJ*	NR	NR	*10 U*	*10 U*	*10 U*	R	*10 U*	*10 UJ*
Bromomethane	74-83-9	ug/l	NV	16	7.5	1 U	5 UX	*10 UJ*	*10 UJ*	NR	NR	*10 U*	*10 U*	*10 U*	R	*10 U*	*10 UJ*

Table 3
Comparison of CAMU Leak Detection System (LDS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	510-42230-1	510-43742-1	510-45743-1	510-46218-1	510-47658-1	510-47658-2	510-48076-1	510-48076-2	510-48616-1	510-49762-1	510-50885-1	510-51884-1
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	FD	TRG	FD	TRG	TRG	TRG	TRG
					Sample Type	7/14/2009	8/25/2009	10/20/2009	11/3/2009	12/16/2009	12/16/2009	12/31/2009	12/31/2009	1/19/2010	2/23/2010	3/30/2010	4/28/2010
Carbon disulfide	75-15-0	ug/l	NV	15	810	5 U	*25 UX*	*50 UJ*	*50 UJ*	NR	NR	*50 U*	*50 U*	*50 U*	R	*50 U*	*50 UJ*
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	*1 U*	*5 UX*	*10 UJ*	*10 UJ*	NR	NR	*10 U*	*10 U*	*10 U*	R	*10 U*	*10 UJ*
Chlorobenzene	108-90-7	ug/l	100	47	78	1 U	5 UX	10 UJ	10 UJ	NR	NR	10 U	10 U	10 U	R	10 U	10 UJ
Chloroethane	75-00-3	ug/l	NV	NV	21000	1 U	5 UX	10 UJ	10 UJ	NR	NR	10 U	10 U	10 U	R	10 U	10 UJ
Chloroform	67-66-3	ug/l	80	170	0.22	*1 U*	*5 UX*	*10 UJ*	*10 UJ*	NR	NR	*10 U*	*10 U*	*10 U*	R	*10 U*	*10 UJ*
Chloromethane	74-87-3	ug/l	NV	NV	190	1 U	5 UX	10 UJ	10 UJ	NR	NR	10 U	10 U	10 U	R	10 U	10 UJ
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	1 U	*5 UX*	*10 UJ*	*10 UJ*	NR	NR	*10 U*	*10 U*	*10 U*	R	*10 U*	*10 UJ*
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	*1 U*	*5 UX*	*10 UJ*	*10 UJ*	NR	NR	*10 U*	*10 U*	*10 U*	R	*10 U*	*10 UJ*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	1 U	5 UX	*10 UJ*	*10 UJ*	NR	NR	*10 U*	*10 U*	*10 U*	R	*10 U*	*10 UJ*
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	1 U	5 UX	10 UJ	10 UJ	NR	NR	10 U	10 U	10 UJ	R	10 U	10 UJ
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	2.5 U	12 UX	25 UJ	25 UJ	NR	NR	25 U	25 U	25 U	R	25 U	25 UJ
Ethylbenzene	100-41-4	ug/l	700	110	1.5	1 U	**7.6 J**	*10 UJ*	*10 UJ*	NR	NR	*10 U*	*10 U*	*10 U*	**5.8 J**	*10 U*	*10 UJ*
Iodomethane	74-88-4	ug/l	NV	NV	NV	2.5 U	12 UX	25 UJ	25 UJ	NR	NR	25 U	25 U	25 U	R	25 U	25 UJ
Isobutanol	78-83-1	ug/l	NV	NV	5900	100 U	500 UX	1000 UJ	1000 UJ	NR	NR	1000 U	1000 U	1000 U	R	1000 U	1000 UJ
m&p-Xylene	179601-23-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	*2.5 U*	*12 UX*	*25 UJ*	*25 UJ*	NR	NR	*25 U*	*25 U*	*25 U*	R	*25 U*	*25 UJ*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	2.5 U	12 UX	25 UJ	25 UJ	NR	NR	25 U	25 U	25 U	R	25 U	25 UJ
Methylene Chloride	75-09-2	ug/l	5	1500	11	2 U	10 UX	*20 UJ*	*20 UJ*	NR	NR	*20 U*	*20 U*	*20 U*	R	*20 U*	*20 UJ*
o-Xylene	95-47-6	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	*2.5 U*	*12 UX*	*100 UJ*	*100 UJ*	NR	NR	*100 U*	*100 U*	*100 U*	R	*100 U*	*100 UJ*
Propionitrile	107-12-0	ug/l	NV	NV	NV	20 U	100 UX	200 UJ	200 UJ	NR	NR	200 U	200 U	200 U	R	200 U	200 UJ
Styrene	100-42-5	ug/l	100	32	1200	1 U	5 UX	10 UJ	10 UJ	NR	NR	10 U	10 U	10 U	R	10 U	10 UJ
Tetrachloroethene	127-18-4	ug/l	5	60	11	1 U	5 UX	10 UJ	10 UJ	NR	NR	10 U	10 U	10 U	R	10 U	10 UJ
Toluene	108-88-3	ug/l	1000	94	1100	1 U	20 J	10 UJ	10 UJ	NR	NR	17	18	18	16 J	22	27 J
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	1 U	5 UX	10 UJ	10 UJ	NR	NR	10 U	10 U	10 U	R	10 U	10 UJ
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	1 U	*5 UX*	*10 UJ*	*10 UJ*	NR	NR	*10 U*	*10 U*	*10 U*	R	*10 U*	*10 UJ*
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	*2.5 U*	*12 UX*	*100 UJ*	*100 UJ*	NR	NR	*100 U*	*100 U*	*100 U*	R	*100 U*	*100 UJ*
Trichloroethene	79-01-6	ug/l	5	260	0.49	*1 U*	*5 UX*	*10 UJ*	*10 UJ*	NR	NR	*10 U*	*10 U*	*10 U*	R	*10 U*	*10 UJ*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	1 U	5 UX	10 UJ	10 UJ	NR	NR	10 U	10 U	10 UJ	R	10 U	10 UJ
Vinyl acetate	108-05-4	ug/l	NV	248	410	5 U	25 UX	50 UJ	50 UJ	NR	NR	50 U	50 U	50 U	R	50 U	50 UJ
Vinyl chloride	75-01-4	ug/l	2	930	0.015	*1 U*	*5 UX*	*10 UJ*	*10 UJ*	NR	NR	*10 U*	*10 U*	*10 UJ*	R	*10 U*	*10 UJ*
Xylenes (Total)	1330-20-7	ug/l	10000	35	190	2 U	26 J	20 UJ	20 UJ	NR	NR	20 U	20 U	28	27 J	31	26 J

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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	510-52260-1	510-53285-1	510-53285-1DL	510-53285-2	510-53285-2DL	510-53590-1	510-53590-2	510-55158-1	510-55480-1	510-56616-1	510-57928-1	510-58714-1
					Lab Sample ID	TRG	TRG	TRG	FD	FD	TRG	FD	TRG1	TRG	TRG	TRG	TRG
					Sample Type	5/10/2010	6/8/2010	6/8/2010	6/8/2010	6/8/2010	6/15/2010	6/15/2010	7/30/2010	8/9/2010	9/9/2010	10/15/2010	11/5/2010
SVOCs																	
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NR	*10 U*	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NR	10 U	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NR	10 U	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NR	*10 U*	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NR	*100 UJ*	NR	*100 UJ*	NR	NR	NR	NR	NR	NR	NR	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NR	52 U	NR	51 U	NR	NR	NR	NR	NR	NR	NR	NR
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NR	52 U	NR	51 U	NR	NR	NR	NR	NR	NR	NR	NR
2,2'-oxybis(2-chloropropane)	39638-32-9	ug/l	NV	NV	NV	NR	10 U	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NR	26 U	NR	25 U	NR	NR	NR	NR	NR	NR	NR	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NR	*52 U*	NR	*51 U*	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NR	*52 U*	NR	*51 U*	NR	NR	NR	NR	NR	NR	NR	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NR	**99**	NR	**120**	NR	NR	NR	NR	NR	NR	NR	NR
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NR	*100 U*	NR	*100 U*	NR	NR	NR	NR	NR	NR	NR	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NR	*5.2 U*	NR	*5.1 U*	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NR	*2.6 U*	NR	*2.5 U*	NR	NR	NR	NR	NR	NR	NR	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NR	*10 U*	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NR	**37**	NR	**45**	NR	NR	NR	NR	NR	NR	NR	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	NR	40	NR	51	NR	NR	NR	NR	NR	NR	NR	NR
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NR	*52 U*	NR	*51 U*	NR	NR	NR	NR	NR	NR	NR	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NR	26 UJ	NR	25 UJ	NR	NR	NR	NR	NR	NR	NR	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NR	52 U	NR	51 U	NR	NR	NR	NR	NR	NR	NR	NR
2-Picoline	109-06-8	ug/l	NV	NV	NV	NR	78 J	NR	51 UJ	NR	NR	NR	NR	NR	NR	NR	NR
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NR	*52 U*	NR	*51 U*	NR	NR	NR	NR	NR	NR	NR	NR
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NR	79	NR	100	NR	NR	NR	NR	NR	NR	NR	NR
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NR	R	NR	R	NR	NR	NR	NR	NR	NR	NR	NR
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NR	52 U	NR	51 U	NR	NR	NR	NR	NR	NR	NR	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NR	*100 U*	NR	*100 U*	NR	NR	NR	NR	NR	NR	NR	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NR	*52 U*	NR	*51 U*	NR	NR	NR	NR	NR	NR	NR	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NR	52 U	NR	51 U	NR	NR	NR	NR	NR	NR	NR	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NR	*52 U*	NR	*51 U*	NR	NR	NR	NR	NR	NR	NR	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NR	26 U	NR	25 U	NR	NR	NR	NR	NR	NR	NR	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NR	*52 U*	NR	*51 U*	NR	NR	NR	NR	NR	NR	NR	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NR	*100 U*	NR	*100 U*	NR	NR	NR	NR	NR	NR	NR	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NR	100 UJ	NR	100 UJ	NR	NR	NR	NR	NR	NR	NR	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NR	210 UJ	NR	200 UJ	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	NR	**75**	NR	**82**	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NR	7.9	NR	8.7	NR	NR	NR	NR	NR	NR	NR	NR
Acetophenone	98-86-2	ug/l	NV	1550	1900	NR	26 U	NR	25 U	NR	NR	NR	NR	NR	NR	NR	NR
Aniline	62-53-3	ug/l	NV	4.1	13	NR	*100 U*	NR	*100 U*	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	NR	*5.2 U*	NR	*5.1 U*	NR	NR	NR	NR	NR	NR	NR	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	NR	R	NR	R	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NR	*1 U*	NR	*1 U*	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NR	*1 U*	NR	*1 U*	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NR	*1 U*	NR	*1 U*	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NR	5.2 U	NR	5.1 U	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NR	*1 U*	NR	*1 U*	NR	NR	NR	NR	NR	NR	NR	NR

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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	510-52260-1	510-53285-1	510-53285-1DL	510-53285-2	510-53285-2DL	510-53590-1	510-53590-2	510-55158-1	510-55480-1	510-56616-1	510-57928-1	510-58714-1
					Lab Sample ID	TRG	TRG	TRG	FD	FD	TRG	FD	TRG1	TRG	TRG	TRG	TRG
					Sample Type	5/10/2010	6/8/2010	6/8/2010	6/8/2010	6/8/2010	6/15/2010	6/15/2010	7/30/2010	8/9/2010	9/9/2010	10/15/2010	11/5/2010
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NR	*100 U*	NR	*100 U*	NR	NR	NR	NR	NR	NR	NR	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NR	10 U	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NR	*10 U*	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NR	*52 U*	NR	*51 U*	NR	NR	NR	NR	NR	NR	NR	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NR	10 U	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR
Carbazole	86-74-8	ug/l	NV	NV	NV	NR	72	NR	77	NR	NR	NR	NR	NR	NR	NR	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NR	*2.6 U*	NR	*2.5 U*	NR	NR	NR	NR	NR	NR	NR	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NR	*1.5 U*	NR	*1.5 U*	NR	NR	NR	NR	NR	NR	NR	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NR	**28**	NR	**30**	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NR	10 U	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NR	10 U	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NR	*52 U*	NR	*51 U*	NR	NR	NR	NR	NR	NR	NR	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	NR	26 U	NR	25 U	NR	NR	NR	NR	NR	NR	NR	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NR	26 U	NR	25 U	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NR	*5.2 U*	NR	*5.1 U*	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	NR	**16**	NR	**17**	NR	NR	NR	NR	NR	NR	NR	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NR	*2.6 U*	NR	*2.5 U*	NR	NR	NR	NR	NR	NR	NR	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NR	*100 U*	NR	*100 U*	NR	NR	NR	NR	NR	NR	NR	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NR	*520 U*	NR	*510 U*	NR	NR	NR	NR	NR	NR	NR	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NR	R	NR	R	NR	NR	NR	NR	NR	NR	NR	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NR	*1 U*	NR	*1 U*	NR	NR	NR	NR	NR	NR	NR	NR
Isophorone	78-59-1	ug/l	NV	830	78	NR	10 U	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	NR	26 U	NR	25 U	NR	NR	NR	NR	NR	NR	NR	NR
Kepone	143-50-0	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NR	210 U	NR	200 U	NR	NR	NR	NR	NR	NR	NR	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	NR	**310**	NR	**350**	NR	NR	NR	NR	NR	NR	NR	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NR	*5.2 UJ*	NR	*5.1 UJ*	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NR	*52 UJ*	NR	*51 UJ*	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NR	*2.6 U*	NR	*2.5 U*	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NR	5.2 U	NR	5.1 U	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NR	26 U	NR	25 U	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
O,O,O-Triethyl phosphorothioate	126-68-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NR	26 U	NR	25 U	NR	NR	NR	NR	NR	NR	NR	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloroethane	76-01-7	ug/L	NV	56.4	0.65	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NR	*100 U*	NR	*100 U*	NR	NR	NR	NR	NR	NR	NR	NR
Phenacetin	62-44-2	ug/l	NV	NV	34	NR	26 U	NR	25 U	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NR	*5.2 U*	NR	*5.1 U*	NR	NR	NR	NR	NR	NR	NR	NR
Phenol	108-95-2	ug/l	NV	180	5800	NR	91 J	NR	130 J	NR	NR	NR	NR	NR	NR	NR	NR
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NR	210 U	NR	200 U	NR	NR	NR	NR	NR	NR	NR	NR
Pronamide	23950-59-5	ug/l	NV	NV	NV	NR	52 U	NR	51 U	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	NR	*5.2 U*	NR	*5.1 U*	NR	NR	NR	NR	NR	NR	NR	NR
Pyridine	110-86-1	ug/l	NV	NV	20	NR	*100 UJ*	NR	*100 UJ*	NR	NR	NR	NR	NR	NR	NR	NR
Quinoline	91-22-5	ug/l	NV	NV	0.024	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NR	*26 U*	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR

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Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	510-52260-1	510-53285-1	510-53285-1DL	510-53285-2	510-53285-2DL	510-53590-1	510-53590-2	510-55158-1	510-55480-1	510-56616-1	510-57928-1	510-58714-1
					Lab Sample ID	TRG	TRG	TRG	FD	FD	TRG	FD	TRG1	TRG	TRG	TRG	TRG
					Sample Type	5/10/2010	6/8/2010	6/8/2010	6/8/2010	6/8/2010	6/15/2010	6/15/2010	7/30/2010	8/9/2010	9/9/2010	10/15/2010	11/5/2010
General Chemistry																	
Ammonia as N	7664-41-7	ug/l	NV	150	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Dissolved Oxygen	000000106	m/s	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Dissolved Oxygen	000000106	ms/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field pH	000010297	S.U.	NV	NV	NV	12.2	12.1	NR	NR	NR	NR	NR	11.8	12.4	12.5	12.2	12.29
Field Temperature, F	000000086	Degree C	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Temperature, F	000000086	Degree F	NV	NV	NV	57.2	57.3	NR	NR	NR	NR	NR	65.2	74.2	62.4	56.2	57.1
Specific Conductance		uS/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		ms/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		umhos/c	NV	NV	NV	NR	9800	NR	NR	NR	NR	NR	11000	10000	12000	12000	NR
Specific Conductance		uS/cm	NV	NV	NV	11.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	10420
Total Dissolved Solids		ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Suspended Solids		ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Inorganics																	
Arsenic	7440-38-2	ug/l	10	150	0.052	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	7440-39-3	ug/l	2000	438	3800	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	7440-43-9	ug/l	5	2.2	9.2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	7440-47-3	ug/l	100	74	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	7439-92-1	ug/l	15	6.4	15	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	7439-93-2	ug/l	NV	14	40	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	7782-49-2	ug/l	50	4.6	100	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Silver	7440-22-4	ug/l	NV	0.12	94	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
PCBs																	
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	*0.53 U*	NR	NR	NR	NR	*0.52 UJ*	*0.52 UJ*	*0.52 U*	*0.54 U*	*0.51 U*	*0.55 U*	*0.54 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	*0.53 U*	NR	NR	NR	NR	*0.52 U*	*0.52 U*	*0.52 U*	*0.54 U*	*0.51 U*	*0.55 U*	*0.54 U*
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	*0.53 U*	NR	NR	NR	NR	*0.52 U*	*0.52 U*	*0.52 U*	*0.54 U*	*0.51 U*	*0.55 U*	*0.54 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	*0.53 U*	NR	NR	NR	NR	*0.52 U*	*0.52 U*	*0.52 U*	*0.54 U*	*0.51 U*	*0.55 U*	*0.54 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	*0.53 U*	NR	NR	NR	NR	*0.52 U*	*0.52 U*	*0.52 U*	*0.54 U*	*0.51 U*	*0.55 U*	*0.54 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	*0.53 U*	NR	NR	NR	NR	*0.52 U*	*0.52 U*	*0.52 U*	*0.54 U*	*0.51 U*	*0.55 U*	*0.54 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	*0.53 U*	NR	NR	NR	NR	*0.52 U*	*0.52 U*	*0.52 U*	*0.54 U*	*0.51 U*	*0.55 U*	*0.54 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	0.53 U	NR	NR	NR	NR	0.52 U	0.52 U	0.52 U	0.54 U	0.51 U	0.55 U	0.54 U
VOCs																	
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	*10 U*	*10 U*	NR	*10 U*	NR	NR	NR	*10 UJ*	*10 U*	*5 UJ*	*5 U*	R
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	10 U	10 U	NR	10 U	NR	NR	NR	10 UJ	10 U	5 UJ	5 U	R
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	*10 U*	*10 U*	NR	*10 U*	NR	NR	NR	*10 UJ*	*10 U*	*5 UJ*	*5 U*	R
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	*10 U*	*10 U*	NR	*10 U*	NR	NR	NR	*10 UJ*	*10 U*	*5 UJ*	*5 U*	R
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	*10 U*	*10 U*	NR	*10 U*	NR	NR	NR	*10 UJ*	*10 U*	*5 UJ*	*5 U*	R
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	10 U	10 U	NR	10 U	NR	NR	NR	10 UJ	10 U	5 UJ	5 U	R
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	*10 U*	*10 U*	NR	*10 U*	NR	NR	NR	*10 UJ*	*10 U*	*5 UJ*	*5 U*	R
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	*20 U*	*20 U*	NR	*20 U*	NR	NR	NR	*20 UJ*	*20 U*	*10 UJ*	*10 U*	R
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	*10 U*	*10 UJ*	NR	*10 UJ*	NR	NR	NR	*10 UJ*	*10 U*	*5 UJ*	*5 U*	R
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	*10 U*	*10 U*	NR	*10 U*	NR	NR	NR	*10 UJ*	*10 U*	*5 UJ*	*5 U*	R
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	*10 U*	*10 U*	NR	*10 U*	NR	NR	NR	*10 UJ*	*10 U*	*5 UJ*	*5 U*	R
2-Butanone	78-93-3	ug/l	NV	14000	5600	50 U	50 U	NR	50 U	NR	NR	NR	50 UJ	50 U	25 UJ	25 U	R
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	*10 U*	*10 U*	NR	*10 U*	NR	NR	NR	*10 UJ*	*10 U*	*5 UJ*	*5 U*	R
2-Hexanone	591-78-6	ug/l	NV	99	38	*50 U*	*50 U*	NR	*50 U*	NR	NR	NR	*50 UJ*	*50 U*	25 UJ	25 U	R
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	*25 U*	*25 UJ*	NR	*25 UJ*	NR	NR	NR	*25 UJ*	*25 U*	*12 UJ*	*12 U*	R
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	50 U	50 U	NR	50 U	NR	NR	NR	50 UJ	50 U	25 UJ	25 U	R
Acetone	67-64-1	ug/l	NV	1700	14000	53	60	NR	59	NR	NR	NR	50 UJ	52	64 J	73	49 J
Acetonitrile	75-05-8	ug/l	NV	12000	130	*200 U*	R	NR	R	NR	NR	NR	*200 UJ*	*200 U*	100 UJ	100 U	R
Acrolein	107-02-8	ug/l	NV	0.19	0.042	*1000 U*	R	NR	R	NR	NR	NR	*1000 UJ*	*1000 U*	*500 UJ*	*500 U*	R
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	*200 U*	*200 U*	NR	*200 U*	NR	NR	NR	*200 UJ*	*200 U*	*100 UJ*	*100 U*	R
Benzene	71-43-2	ug/l	5	98	0.46	**2500**	NR	**2500**	NR	**2500**	NR	NR	**2100 J**	**2400**	**1700 J**	**1300**	**1100 J**
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	*10 U*	*10 U*	NR	*10 U*	NR	NR	NR	*10 UJ*	*10 U*	*5 UJ*	*5 U*	R
Bromoform	75-25-2	ug/l	80	61	3.3	*10 U*	*10 U*	NR	*10 U*	NR	NR	NR	*10 UJ*	*10 U*	*5 UJ*	*5 U*	R
Bromomethane	74-83-9	ug/l	NV	16	7.5	*10 U*	*10 U*	NR	*10 U*	NR	NR	NR	*10 UJ*	*10 U*	5 UJ	5 U	R

Table 3
Comparison of CAMU Leak Detection System (LDS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	510-52260-1	510-53285-1	510-53285-1DL	510-53285-2	510-53285-2DL	510-53590-1	510-53590-2	510-55158-1	510-55480-1	510-56616-1	510-57928-1	510-58714-1
					Lab Sample ID	TRG	TRG	TRG	FD	FD	TRG	FD	TRG1	TRG	TRG	TRG	TRG
					Sample Type	5/10/2010	6/8/2010	6/8/2010	6/8/2010	6/8/2010	6/15/2010	6/15/2010	7/30/2010	8/9/2010	9/9/2010	10/15/2010	11/5/2010
Carbon disulfide	75-15-0	ug/l	NV	15	810	*50 U*	*50 UJ*	NR	*50 UJ*	NR	NR	NR	*50 UJ*	*50 U*	*25 UJ*	*25 U*	R
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	*10 U*	*10 U*	NR	*10 U*	NR	NR	NR	*10 UJ*	*10 U*	*5 UJ*	*5 U*	R
Chlorobenzene	108-90-7	ug/l	100	47	78	10 U	10 U	NR	10 U	NR	NR	NR	10 UJ	10 U	5 UJ	5 U	R
Chloroethane	75-00-3	ug/l	NV	NV	21000	10 U	10 U	NR	10 U	NR	NR	NR	10 UJ	10 U	5 UJ	5 U	R
Chloroform	67-66-3	ug/l	80	170	0.22	*10 U*	*10 U*	NR	*10 U*	NR	NR	NR	*10 UJ*	*10 U*	*5 UJ*	*5 U*	R
Chloromethane	74-87-3	ug/l	NV	NV	190	10 U	10 U	NR	10 U	NR	NR	NR	10 UJ	10 U	5 UJ	5 U	R
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	*10 U*	*10 U*	NR	*10 U*	NR	NR	NR	*10 UJ*	*10 U*	*5 UJ*	*5 U*	R
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	*10 U*	*10 U*	NR	*10 U*	NR	NR	NR	*10 UJ*	*10 U*	*5 UJ*	*5 U*	R
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	*10 U*	*10 U*	NR	*10 U*	NR	NR	NR	*10 UJ*	*10 U*	5 UJ	5 U	R
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	10 U	10 U	NR	10 U	NR	NR	NR	10 UJ	10 U	5 UJ	5 U	R
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	25 U	25 UJ	NR	25 UJ	NR	NR	NR	25 UJ	25 U	12 UJ	12 U	R
Ethylbenzene	100-41-4	ug/l	700	110	1.5	*10 U*	*10 U*	NR	*10 U*	NR	NR	NR	*10 UJ*	*10 U*	**5.9 J**	**7.9**	**7.2 J**
Iodomethane	74-88-4	ug/l	NV	NV	NV	25 U	25 U	NR	25 U	NR	NR	NR	25 UJ	25 U	12 UJ	12 U	R
Isobutanol	78-83-1	ug/l	NV	NV	5900	1000 U	R	NR	R	NR	NR	NR	1000 UJ	1000 U	500 UJ	500 U	R
m&p-Xylene	179601-23-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	*25 U*	*25 UJ*	NR	*25 UJ*	NR	NR	NR	*25 UJ*	*25 U*	*12 UJ*	*12 U*	R
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	25 U	25 UJ	NR	25 UJ	NR	NR	NR	25 UJ	25 U	12 UJ	12 U	R
Methylene Chloride	75-09-2	ug/l	5	1500	11	*20 U*	*20 U*	NR	*20 U*	NR	NR	NR	*20 UJ*	*20 U*	10 UJ	10 U	R
o-Xylene	95-47-6	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	*100 U*	*100 U*	NR	*100 U*	NR	NR	NR	*100 UJ*	*100 U*	*50 UJ*	*50 U*	R
Propionitrile	107-12-0	ug/l	NV	NV	NV	200 U	R	NR	R	NR	NR	NR	200 UJ	200 U	100 UJ	100 U	R
Styrene	100-42-5	ug/l	100	32	1200	10 U	10 U	NR	10 U	NR	NR	NR	10 UJ	10 U	5 UJ	5 U	R
Tetrachloroethene	127-18-4	ug/l	5	60	11	10 U	10 U	NR	10 U	NR	NR	NR	10 UJ	10 U	5 UJ	5 U	R
Toluene	108-88-3	ug/l	1000	94	1100	29	24	NR	24	NR	NR	NR	20 J	21	20 J	23	20 J
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	10 U	10 U	NR	10 U	NR	NR	NR	10 UJ	10 U	5 UJ	5 U	R
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	*10 U*	*10 U*	NR	*10 U*	NR	NR	NR	*10 UJ*	*10 U*	*5 UJ*	*5 U*	R
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	*100 U*	R	NR	R	NR	NR	NR	*100 UJ*	*100 U*	*50 UJ*	*50 U*	R
Trichloroethene	79-01-6	ug/l	5	260	0.49	*10 U*	*10 U*	NR	*10 U*	NR	NR	NR	*10 UJ*	*10 U*	*5 UJ*	*5 U*	R
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	10 U	10 U	NR	10 U	NR	NR	NR	10 UJ	10 U	5 UJ	5 U	R
Vinyl acetate	108-05-4	ug/l	NV	248	410	50 U	50 U	NR	50 U	NR	NR	NR	50 UJ	50 U	25 UJ	25 U	R
Vinyl chloride	75-01-4	ug/l	2	930	0.015	*10 U*	*10 U*	NR	*10 U*	NR	NR	NR	*10 UJ*	*10 U*	*5 UJ*	*5 U*	R
Xylenes (Total)	1330-20-7	ug/l	10000	35	190	22	24	NR	24	NR	NR	NR	24 J	23	23 J	30	29 J

Table 3
Comparison of CAMU Leak Detection System (LDS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	510-59970-1	510-59970-1DL	510-59970-2	510-59970-2DL	510-61033-1	510-63011-1	510-63011-1DL	510-69965-1	510-69965-1DL	510-69965-1RA	510-76601-1	510-76601-1DL
					Lab Sample ID	TRG	TRG	FD	FD	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRGDL
					Sample Type	12/10/2010	12/10/2010	12/10/2010	12/10/2010	1/12/2011	3/10/2011	3/10/2011	9/14/2011	9/14/2011	9/14/2011	3/14/2012	3/14/2012
SVOCs																	
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	*20 U*	NR	*20 U*	NR	NR	*11 U*	NR	*10 U*	NR	NR	*2.1 U*	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	*20 U*	NR	*20 U*	NR	NR	11 U	NR	10 U	NR	NR	2.1 U	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	5.2 U	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	20 U	NR	20 U	NR	NR	11 U	NR	10 U	NR	NR	2.1 U	NR
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	*20 U*	NR	*20 U*	NR	NR	*11 U*	NR	*10 U*	NR	NR	*2.1 U*	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	*200 U*	NR	*200 U*	NR	NR	*110 U*	NR	*100 U*	NR	NR	*21 U*	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	100 U	NR	100 U	NR	NR	53 U	NR	50 U	NR	NR	10 U	NR
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	100 U	NR	100 U	NR	NR	53 U	NR	50 U	NR	NR	10 U	NR
2,2'-oxybis(2-chloropropane)	39638-32-9	ug/l	NV	NV	NV	20 U	NR	20 U	NR	NR	11 U	NR	10 U	NR	NR	NR	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	50 U	NR	51 U	NR	NR	26 U	NR	25 U	NR	NR	5.2 U	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	*100 U*	NR	*100 U*	NR	NR	*53 U*	NR	*50 U*	NR	NR	*10 U*	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	*100 U*	NR	*100 U*	NR	NR	*53 U*	NR	*50 U*	NR	NR	10 U	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	**120**	NR	**110**	NR	NR	**86**	NR	**120**	NR	NR	NR	**160**
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	*200 U*	NR	*200 U*	NR	NR	*110 U*	NR	*100 U*	NR	NR	*21 U*	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	*10 U*	NR	*10 U*	NR	NR	*5.3 U*	NR	*5 U*	NR	NR	*1 U*	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	*5 U*	NR	*5.1 U*	NR	NR	*2.6 U*	NR	*2.5 U*	NR	NR	*0.52 U*	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	*20 U*	NR	*20 U*	NR	NR	*11 U*	NR	*10 U*	NR	NR	*2.1 U*	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	*50 U*	NR	*51 U*	NR	NR	*26 UJ*	NR	*25 U*	NR	NR	5.2 U	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	**56**	NR	**50**	NR	NR	**46**	NR	**47**	NR	NR	**44**	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	26	NR	24	NR	NR	22	NR	37	NR	NR	35	NR
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	*100 U*	NR	*100 U*	NR	NR	*53 U*	NR	*50 U*	NR	NR	*10 U*	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	50 U	NR	51 U	NR	NR	26 U	NR	25 U	NR	NR	5.2 U	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	*100 U*	NR	*100 U*	NR	NR	53 U	NR	50 U	NR	NR	10 U	NR
2-Picoline	109-06-8	ug/l	NV	NV	NV	100 U	NR	100 U	NR	NR	53 U	NR	50 U	NR	NR	17	NR
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	*100 U*	NR	*100 U*	NR	NR	*53 U*	NR	*50 U*	NR	NR	10 U	NR
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	71	NR	66	NR	NR	73	NR	90	NR	NR	68	NR
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	R	NR	R	NR	NR	R	NR	*100 U*	NR	NR	R	NR
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	100 U	NR	100 U	NR	NR	53 U	NR	50 U	NR	NR	10 U	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	*200 U*	NR	*200 U*	NR	NR	*110 U*	NR	*100 U*	NR	NR	*21 U*	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	*100 U*	NR	*100 U*	NR	NR	*53 U*	NR	*50 U*	NR	NR	*10 U*	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	100 U	NR	100 U	NR	NR	53 U	NR	50 U	NR	NR	10 U	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	*100 U*	NR	*100 U*	NR	NR	*53 U*	NR	*50 U*	NR	NR	*10 U*	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	50 U	NR	51 U	NR	NR	26 U	NR	25 U	NR	NR	5.2 U	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	*100 U*	NR	*100 U*	NR	NR	*53 U*	NR	*50 U*	NR	NR	*10 U*	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	*200 U*	NR	*200 U*	NR	NR	*110 U*	NR	*100 U*	NR	NR	21 U	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	R	NR	R	NR	NR	110 U	NR	100 U	NR	NR	21 U	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	5.2 U	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	400 UJ	NR	400 UJ	NR	NR	210 U	NR	200 U	NR	NR	42 U	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	**120**	NR	**110**	NR	NR	**87**	NR	**85**	NR	NR	**77**	NR
Acenaphthylene	208-96-8	ug/l	NV	4840	400	11	NR	10	NR	NR	8.4	NR	7.9	NR	NR	8.5	NR
Acetophenone	98-86-2	ug/l	NV	1550	1900	50 U	NR	51 U	NR	NR	26 U	NR	25 U	NR	NR	8.8	NR
Aniline	62-53-3	ug/l	NV	4.1	13	*200 U*	NR	*200 U*	NR	NR	*110 U*	NR	*100 U*	NR	NR	*21 U*	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	*10 U*	NR	*10 U*	NR	NR	*5.3 U*	NR	*5 U*	NR	NR	*1 U*	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	R	NR	R	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	*2 U*	NR	*2 U*	NR	NR	*1.1 U*	NR	*1 U*	NR	NR	*0.21 U*	NR
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	*2 U*	NR	*2 U*	NR	NR	*1.1 U*	NR	*1 U*	NR	NR	*0.21 UJ*	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	*2 U*	NR	*2 U*	NR	NR	*1.1 U*	NR	*1 U*	NR	NR	*0.21 UJ*	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	*10 U*	NR	*10 U*	NR	NR	5.3 U	NR	5 U	NR	NR	1 U	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	*2 U*	NR	*2 U*	NR	NR	*1.1 U*	NR	*1 U*	NR	NR	0.21 U	NR

Table 3
Comparison of CAMU Leak Detection System (LDS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	510-59970-1	510-59970-1DL	510-59970-2	510-59970-2DL	510-61033-1	510-63011-1	510-63011-1DL	510-69965-1	510-69965-1DL	510-69965-1RA	510-76601-1	510-76601-1DL
					Lab Sample ID	TRG	TRG	FD	FD	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRGDL
					Sample Type	12/10/2010	12/10/2010	12/10/2010	12/10/2010	1/12/2011	3/10/2011	3/10/2011	9/14/2011	9/14/2011	9/14/2011	3/14/2012	3/14/2012
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	*200 U*	NR	*200 U*	NR	NR	*110 U*	NR	*100 U*	NR	NR	*21 U*	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	2.1 U	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	20 U	NR	20 U	NR	NR	11 U	NR	10 U	NR	NR	2.1 U	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	*20 U*	NR	*20 U*	NR	NR	*11 U*	NR	*10 U*	NR	NR	*2.1 U*	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	*100 U*	NR	*100 U*	NR	NR	*53 U*	NR	*50 U*	NR	NR	*10 U*	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	*20 U*	NR	*20 U*	NR	NR	11 U	NR	10 U	NR	NR	2.1 U	NR
Carbazole	86-74-8	ug/l	NV	NV	NV	90	NR	84	NR	NR	69	NR	80	NR	NR	66	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
Chrysene	218-01-9	ug/l	NV	2.042	2.9	*5 U*	NR	*5.1 U*	NR	NR	*2.6 U*	NR	*2.5 U*	NR	NR	0.52 U	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	*3 U*	NR	*3 U*	NR	NR	*1.6 U*	NR	*1.5 U*	NR	NR	*0.31 U*	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	**45**	NR	**41**	NR	NR	**34**	NR	**31**	NR	NR	**29**	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	20 U	NR	20 U	NR	NR	11 U	NR	10 U	NR	NR	2.1 U	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	20 U	NR	20 U	NR	NR	11 U	NR	10 U	NR	NR	2.1 U	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	5.2 U	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	*100 U*	NR	*100 U*	NR	NR	*53 U*	NR	*50 U*	NR	NR	10 U	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	50 U	NR	51 U	NR	NR	26 U	NR	25 U	NR	NR	5.2 U	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	50 U	NR	51 U	NR	NR	26 U	NR	25 U	NR	NR	5.2 U	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	*10 U*	NR	*10 U*	NR	NR	*5.3 U*	NR	*5 U*	NR	NR	1 U	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	**27**	NR	**24**	NR	NR	**17**	NR	**17**	NR	NR	**18**	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	*5 U*	NR	*5.1 U*	NR	NR	*2.6 U*	NR	*2.5 U*	NR	NR	*0.52 U*	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	*200 U*	NR	*200 U*	NR	NR	*110 U*	NR	*100 U*	NR	NR	*21 U*	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	*1000 UJ*	NR	*1000 UJ*	NR	NR	*530 U*	NR	*500 U*	NR	NR	*100 U*	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	200 U	NR	200 U	NR	NR	110 U	NR	100 U	NR	NR	21 U	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	*2 U*	NR	*2 U*	NR	NR	*1.1 U*	NR	*1 U*	NR	NR	*0.21 U*	NR
Isophorone	78-59-1	ug/l	NV	830	78	20 U	NR	20 U	NR	NR	11 U	NR	10 U	NR	NR	2.1 U	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	50 U	NR	51 U	NR	NR	26 U	NR	25 U	NR	NR	5.2 U	NR
Kepone	143-50-0	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	400 U	NR	400 U	NR	NR	210 U	NR	200 U	NR	NR	42 U	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	**730**	NR	**630**	NR	NR	NR	**800**	NR	**990**	NR	NR	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	*10 U*	NR	*10 U*	NR	NR	*5.3 U*	NR	*5 U*	NR	NR	*1 U*	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	*100 U*	NR	*100 U*	NR	NR	*53 U*	NR	*50 U*	NR	NR	*10 U*	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	*5 U*	NR	*5.1 U*	NR	NR	*2.6 U*	NR	*2.5 U*	NR	NR	*0.52 U*	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	10 U	NR	10 U	NR	NR	5.3 U	NR	5 U	NR	NR	1 U	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	50 U	NR	51 U	NR	NR	26 U	NR	25 U	NR	NR	5.2 U	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
O,O,O-Triethyl phosphorothioate	126-68-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	50 U	NR	51 U	NR	NR	26 U	NR	25 U	NR	NR	5.2 U	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
Pentachloroethane	76-01-7	ug/L	NV	56.4	0.65	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	*10 U*	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	*200 U*	NR	*200 U*	NR	NR	*110 U*	NR	*100 U*	NR	NR	*21 U*	NR
Phenacetin	62-44-2	ug/l	NV	NV	34	*50 U*	NR	*51 U*	NR	NR	26 U	NR	25 U	NR	NR	5.2 U	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	*10 U*	NR	*10 U*	NR	NR	*5.3 U*	NR	*5 U*	NR	NR	**3.4**	NR
Phenol	108-95-2	ug/l	NV	180	5800	110	NR	99	NR	NR	110	NR	110	NR	NR	64	NR
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	400 UJ	NR	400 UJ	NR	NR	210 U	NR	200 U	NR	NR	42 U	NR
Pronamide	23950-59-5	ug/l	NV	NV	NV	100 U	NR	100 U	NR	NR	53 U	NR	50 U	NR	NR	10 U	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	*10 U*	NR	*10 U*	NR	NR	*5.3 U*	NR	*5 U*	NR	NR	*1 U*	NR
Pyridine	110-86-1	ug/l	NV	NV	20	*200 U*	NR	*200 U*	NR	NR	*110 U*	NR	*100 U*	NR	NR	*21 U*	NR
Quinoline	91-22-5	ug/l	NV	NV	0.024	NR	NR	NR	NR	NR	*53 U*	NR	*50 U*	NR	NR	*10 U*	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	*50 U*	NR	*51 U*	NR	NR	*26 U*	NR	*25 U*	NR	NR	*5.2 U*	NR

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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	510-59970-1	510-59970-1DL	510-59970-2	510-59970-2DL	510-61033-1	510-63011-1	510-63011-1DL	510-69965-1	510-69965-1DL	510-69965-1RA	510-76601-1	510-76601-1DL
					Lab Sample ID	TRG	TRG	FD	FD	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRGDL
					Sample Type	12/10/2010	12/10/2010	12/10/2010	12/10/2010	1/12/2011	3/10/2011	3/10/2011	9/14/2011	9/14/2011	9/14/2011	3/14/2012	3/14/2012
General Chemistry																	
Ammonia as N	7664-41-7	ug/l	NV	150	NV	NR	NR	NR	NR	NR	**14000**	NR	**22000**	NR	NR	**21000**	NR
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	NR	NR	NR	NR	**11**	NR	NR	*10 U*	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	NR	NR	NR	NR	**14**	NR	NR	NR	NR
Field Dissolved Oxygen	000000106	m/s	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Dissolved Oxygen	000000106	ms/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field pH	000010297	S.U.	NV	NV	NV	12.6	NR	NR	NR	12.5	12.1	NR	12.5	NR	NR	12.4	NR
Field Temperature, F	000000086	Degree C	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Temperature, F	000000086	Degree F	NV	NV	NV	54	NR	NR	NR	53.9	53.2	NR	58.8	NR	NR	58.8	NR
Specific Conductance		uS/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	10.3	NR
Specific Conductance		ms/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		umhos/c	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		uS/cm	NV	NV	NV	10.5	NR	NR	NR	9.14	10.54	NR	9.4	NR	NR	NR	NR
Total Dissolved Solids		ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	2200000	NR
Total Suspended Solids		ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	2000 U	NR
Inorganics																	
Arsenic	7440-38-2	ug/l	10	150	0.052	NR	NR	NR	NR	NR	*30 U*	NR	*2 UJ*	NR	NR	*2 U*	NR
Barium	7440-39-3	ug/l	2000	438	3800	NR	NR	NR	NR	NR	**630**	NR	**530 J**	NR	NR	0.5 U	NR
Cadmium	7440-43-9	ug/l	5	2.2	9.2	NR	NR	NR	NR	NR	*10 U*	NR	1 UJ	NR	NR	1 U	NR
Chromium	7440-47-3	ug/l	100	74	NV	NR	NR	NR	NR	NR	10 U	NR	4.6 J	NR	NR	1.5 U	NR
Lead	7439-92-1	ug/l	15	6.4	15	NR	NR	NR	NR	NR	*50 U*	NR	1.1 J	NR	NR	0.5 U	NR
Lithium	7439-93-2	ug/l	NV	14	40	NR	NR	NR	NR	NR	**42**	NR	**38 J**	NR	NR	**38**	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	NR	NR	NR	NR	NR	0.2 U	NR	0.23 J	NR	NR	0.2 U	NR
Selenium	7782-49-2	ug/l	50	4.6	100	NR	NR	NR	NR	NR	*20 U*	NR	1 UJ	NR	NR	1 U	NR
Silver	7440-22-4	ug/l	NV	0.12	94	NR	NR	NR	NR	NR	*40 U*	NR	*2 UJ*	NR	NR	*2 U*	NR
PCBs																	
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	*0.52 U*	NR	*0.53 U*	NR	*0.53 U*	*0.54 U*	NR	*0.54 U*	NR	NR	*0.53 U*	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	*0.52 U*	NR	*0.53 U*	NR	*0.53 U*	*0.54 U*	NR	*0.54 U*	NR	NR	*0.53 U*	NR
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	*0.52 U*	NR	*0.53 U*	NR	*0.53 U*	*0.54 U*	NR	*0.54 U*	NR	NR	*0.53 U*	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	*0.52 U*	NR	*0.53 U*	NR	*0.53 U*	*0.54 U*	NR	*0.54 U*	NR	NR	*0.53 U*	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	*0.52 U*	NR	*0.53 U*	NR	*0.53 U*	*0.54 U*	NR	*0.54 U*	NR	NR	*0.53 U*	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	*0.52 U*	NR	*0.53 U*	NR	*0.53 U*	*0.54 U*	NR	*0.54 U*	NR	NR	*0.53 U*	NR
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	*0.52 U*	NR	*0.53 U*	NR	*0.53 U*	*0.54 U*	NR	*0.54 U*	NR	NR	*0.53 U*	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	0.52 U	NR	0.53 U	NR	0.53 U	0.54 U	NR	0.54 U	NR	NR	0.53 U	NR
VOCs																	
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	*2 UJ*	NR	*2 UJ*	NR	*2 UJ*	*2 UJ*	NR	NR	NR	*10 UJ*	*29 U*	NR
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	R	NR	2 U	NR	2 UJ	2 UJ	NR	NR	NR	10 UJ	29 U	NR
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	R	NR	R	NR	*2 UJ*	*2 UJ*	NR	NR	NR	*10 UJ*	R	NR
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	*2 UJ*	NR	*2 UJ*	NR	*2 UJ*	*2 UJ*	NR	NR	NR	*10 UJ*	*29 U*	NR
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	R	NR	2 U	NR	2 UJ	2 UJ	NR	NR	NR	*10 UJ*	*29 U*	NR
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	R	NR	2 U	NR	2 UJ	2 UJ	NR	NR	NR	10 UJ	29 U	NR
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	*2 U*	NR	*2 U*	NR	*2 UJ*	*2 UJ*	NR	NR	NR	*10 UJ*	*29 U*	NR
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	R	NR	R	NR	*4 UJ*	*4 UJ*	NR	NR	NR	*20 UJ*	*57 U*	NR
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	*2 U*	NR	*2 U*	NR	*2 UJ*	*2 UJ*	NR	NR	NR	*10 UJ*	NR	NR
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	*2 U*	NR	*2 U*	NR	*2 UJ*	*2 UJ*	NR	NR	NR	*10 UJ*	*29 U*	NR
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	*2 U*	NR	*2 U*	NR	*2 UJ*	*2 UJ*	NR	NR	NR	*10 UJ*	*29 U*	NR
2-Butanone	78-93-3	ug/l	NV	14000	5600	11 J	NR	10 J	NR	12 J	10 UJ	NR	NR	NR	50 UJ	140 U	NR
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	*2 U*	NR	*2 U*	NR	*2 UJ*	*2 UJ*	NR	NR	NR	*10 UJ*	NR	NR
2-Hexanone	591-78-6	ug/l	NV	99	38	10 U	NR	10 U	NR	10 UJ	10 UJ	NR	NR	NR	*50 UJ*	*140 U*	NR
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	*5 U*	NR	*5 U*	NR	*5 UJ*	*5 UJ*	NR	NR	NR	*25 UJ*	*71 U*	NR
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	10 U	NR	10 U	NR	10 UJ	10 UJ	NR	NR	NR	50 UJ	140 U	NR
Acetone	67-64-1	ug/l	NV	1700	14000	48 J	NR	55 J	NR	71 UJ	10 UJ	NR	NR	NR	51 UJ	140 U	NR
Acetonitrile	75-05-8	ug/l	NV	12000	130	R	NR	R	NR	40 UJ	40 UJ	NR	NR	NR	*200 UJ*	*570 U*	NR
Acrolein	107-02-8	ug/l	NV	0.19	0.042	R	NR	R	NR	*200 UJ*	*200 UJ*	NR	NR	NR	*1000 UJ*	*2900 UJ*	NR
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	R	NR	R	NR	*40 UJ*	*40 UJ*	NR	NR	NR	*200 UJ*	*570 U*	NR
Benzene	71-43-2	ug/l	5	98	0.46	NR	**900**	NR	**910**	**470**	NR	**1300**	NR	NR	**1800 J**	**710 J**	NR
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	*2 UJ*	NR	*2 UJ*	NR	*2 UJ*	*2 UJ*	NR	NR	NR	*10 UJ*	*29 U*	NR
Bromoform	75-25-2	ug/l	80	61	3.3	2 U	NR	2 U	NR	2 UJ	2 UJ	NR	NR	NR	*10 UJ*	*29 U*	NR
Bromomethane	74-83-9	ug/l	NV	16	7.5	R	NR	2 U	NR	2 UJ	2 UJ	NR	NR	NR	*10 UJ*	*29 U*	NR

Table 3
Comparison of CAMU Leak Detection System (LDS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	510-59970-1	510-59970-1DL	510-59970-2	510-59970-2DL	510-61033-1	510-63011-1	510-63011-1DL	510-69965-1	510-69965-1DL	510-69965-1RA	510-76601-1	510-76601-1DL
					Lab Sample ID	TRG	TRG	FD	FD	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRGDL
					Sample Type	12/10/2010	12/10/2010	12/10/2010	12/10/2010	1/12/2011	3/10/2011	3/10/2011	9/14/2011	9/14/2011	9/14/2011	3/14/2012	3/14/2012
Carbon disulfide	75-15-0	ug/l	NV	15	810	R	NR	10 UJ	NR	10 UJ	10 UJ	NR	NR	NR	*50 UJ*	*140 U*	NR
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	*2 UJ*	NR	*2 UJ*	NR	*2 UJ*	*2 UJ*	NR	NR	NR	*10 UJ*	*29 U*	NR
Chlorobenzene	108-90-7	ug/l	100	47	78	2 U	NR	2 U	NR	2 UJ	2 UJ	NR	NR	NR	10 UJ	29 U	NR
Chloroethane	75-00-3	ug/l	NV	NV	21000	R	NR	2 U	NR	2 UJ	2 UJ	NR	NR	NR	10 UJ	29 U	NR
Chloroform	67-66-3	ug/l	80	170	0.22	R	NR	*2 U*	NR	*2 UJ*	*2 UJ*	NR	NR	NR	*10 UJ*	*29 U*	NR
Chloromethane	74-87-3	ug/l	NV	NV	190	R	NR	2 U	NR	2 UJ	2 UJ	NR	NR	NR	10 UJ	29 U	NR
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	*2 U*	NR	*2 U*	NR	*2 UJ*	*2 UJ*	NR	NR	NR	*10 UJ*	*29 U*	NR
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	*2 U*	NR	*2 U*	NR	*2 UJ*	*2 UJ*	NR	NR	NR	*10 UJ*	*29 U*	NR
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	2 U	NR	2 U	NR	2 UJ	2 UJ	NR	NR	NR	*10 UJ*	*29 U*	NR
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	R	NR	2 U	NR	2 UJ	2 UJ	NR	NR	NR	10 UJ	29 U	NR
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	5 U	NR	5 U	NR	5 UJ	5 UJ	NR	NR	NR	25 UJ	71 U	NR
Ethylbenzene	100-41-4	ug/l	700	110	1.5	**5.3**	NR	**5.2**	NR	**5 J**	**8.7 J**	NR	NR	NR	**8.1 J**	*14 U*	NR
Iodomethane	74-88-4	ug/l	NV	NV	NV	R	NR	5 U	NR	5 UJ	5 UJ	NR	NR	NR	25 UJ	71 U	NR
Isobutanol	78-83-1	ug/l	NV	NV	5900	R	NR	R	NR	200 UJ	200 UJ	NR	NR	NR	1000 UJ	2900 U	NR
m&p-Xylene	179601-23-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	*5 U*	NR	*5 U*	NR	*5 UJ*	*5 UJ*	NR	NR	NR	*25 UJ*	*71 U*	NR
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	5 UJ	NR	5 UJ	NR	5 UJ	5 UJ	NR	NR	NR	25 UJ	71 U	NR
Methylene Chloride	75-09-2	ug/l	5	1500	11	R	NR	4 U	NR	4 UJ	4 UJ	NR	NR	NR	*50 UJ*	*140 U*	NR
o-Xylene	95-47-6	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	*20 U*	NR	*20 U*	NR	*20 UJ*	*20 UJ*	NR	NR	NR	*100 UJ*	NR	NR
Propionitrile	107-12-0	ug/l	NV	NV	NV	R	NR	R	NR	40 UJ	40 UJ	NR	NR	NR	200 UJ	570 U	NR
Styrene	100-42-5	ug/l	100	32	1200	2 U	NR	2 U	NR	2 UJ	2 UJ	NR	NR	NR	10 UJ	29 U	NR
Tetrachloroethene	127-18-4	ug/l	5	60	11	2 U	NR	2 U	NR	2 UJ	2 UJ	NR	NR	NR	10 UJ	*29 U*	NR
Toluene	108-88-3	ug/l	1000	94	1100	14	NR	14	NR	13 J	21 J	NR	NR	NR	19 J	14 U	NR
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	R	NR	2 U	NR	2 UJ	2 UJ	NR	NR	NR	10 UJ	29 U	NR
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	*2 U*	NR	*2 U*	NR	*2 UJ*	*2 UJ*	NR	NR	NR	*10 UJ*	*29 U*	NR
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	*20 U*	NR	*20 U*	NR	*20 UJ*	*20 UJ*	NR	NR	NR	*100 UJ*	NR	NR
Trichloroethene	79-01-6	ug/l	5	260	0.49	*2 U*	NR	*2 U*	NR	*2 UJ*	*1 UJ*	NR	NR	NR	*5 UJ*	*14 UJ*	NR
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	R	NR	2 U	NR	2 UJ	2 UJ	NR	NR	NR	10 UJ	29 U	NR
Vinyl acetate	108-05-4	ug/l	NV	248	410	R	NR	R	NR	10 UJ	4 UJ	NR	NR	NR	20 UJ	57 U	NR
Vinyl chloride	75-01-4	ug/l	2	930	0.015	R	NR	*2 U*	NR	*2 UJ*	*1 UJ*	NR	NR	NR	*5 UJ*	*14 U*	NR
Xylenes (Total)	1330-20-7	ug/l	10000	35	190	25	NR	25	NR	23 J	32 J	NR	NR	NR	32 J	29 U	NR

Table 3
Comparison of CAMU Leak Detection System (LDS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	**510-76601-1DL2**	**510-83571-1**	**510-90090-1**	**510-90090-1DL**	**510-90090-1RA**
					Lab Sample ID	**TRGDL2**	**TRG**	**TRG**	**TRG**	**TRG**
					Sample Type	**3/14/2012**	**9/17/2012**	**3/19/2013**	**3/19/2013**	**3/19/2013**
SVOCs										
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NR	*51 U*	NR	NR	*5.2 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NR	*20 U*	NR	NR	*2.1 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NR	*20 U*	NR	NR	2.1 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NR	*51 U*	NR	NR	5.2 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NR	20 U	NR	NR	2.1 U
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NR	*51 U*	NR	NR	*5.2 U*
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NR	*20 U*	NR	NR	*2.1 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NR	*200 U*	NR	NR	*21 UJ*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NR	100 U	NR	NR	10 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NR	100 U	NR	NR	10 U
2,2'-oxybis(2-chloropropane)	39638-32-9	ug/l	NV	NV	NV	NR	NR	NR	NR	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NR	51 U	NR	NR	5.2 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NR	*100 U*	NR	NR	*10 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NR	*51 U*	NR	NR	*5.2 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NR	*100 U*	NR	NR	10 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NR	*100 U*	NR	NR	**35**
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NR	*200 U*	NR	NR	*21 U*
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NR	*10 U*	NR	NR	*1 UJ*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NR	*51 U*	NR	NR	*5.2 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NR	*5.1 U*	NR	NR	*0.52 UJ*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NR	*51 U*	NR	NR	*5.2 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NR	*20 U*	NR	NR	*2.1 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NR	*51 U*	NR	NR	5.2 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NR	9.3	NR	NR	22 UJ
2-Methylphenol	95-48-7	ug/l	NV	67	930	NR	20 U	NR	NR	47
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NR	*100 U*	NR	NR	*10 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NR	51 U	NR	NR	5.2 UJ
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NR	*100 U*	NR	NR	10 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NR	100 U	NR	NR	10 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NR	*100 U*	NR	NR	10 U
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NR	20 U	NR	NR	26
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NR	*51 U*	NR	NR	*5.2 UJ*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NR	*200 U*	NR	NR	*21 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NR	*51 U*	NR	NR	*5.2 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NR	100 U	NR	NR	10 UJ
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NR	*200 U*	NR	NR	*21 UJ*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NR	*100 U*	NR	NR	*10 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NR	*51 U*	NR	NR	*5.2 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NR	100 U	NR	NR	10 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NR	*100 U*	NR	NR	*10 UJ*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NR	51 U	NR	NR	5.2 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NR	*100 U*	NR	NR	*10 UJ*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NR	*200 U*	NR	NR	21 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NR	200 U	NR	NR	21 UJ
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NR	*51 U*	NR	NR	5.2 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NR	*51 U*	NR	NR	*5.2 UJ*
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NR	400 U	NR	NR	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	NR	20	NR	NR	**37 J**
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NR	10 U	NR	NR	1.1 J
Acetophenone	98-86-2	ug/l	NV	1550	1900	NR	51 U	NR	NR	9.9 J
Aniline	62-53-3	ug/l	NV	4.1	13	NR	*200 U*	NR	NR	*21 U*
Anthracene	120-12-7	ug/l	NV	0.68	1800	NR	*10 U*	NR	NR	**1.3 J**
Aramite	140-57-8	ug/l	NV	3.09	1.3	NR	*51 U*	NR	NR	*5.2 UJ*
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NR	*2 U*	NR	NR	*0.21 U*
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NR	*2 U*	NR	NR	*0.21 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NR	*2 U*	NR	NR	*0.21 UJ*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NR	*10 U*	NR	NR	1 UJ
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NR	*2 U*	NR	NR	0.21 U

Table 3
Comparison of CAMU Leak Detection System (LDS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	**510-76601-1DL2**	**510-83571-1**	**510-90090-1**	**510-90090-1DL**	**510-90090-1RA**
					Lab Sample ID	**TRGDL2**	**TRG**	**TRG**	**TRG**	**TRG**
					Sample Type	**3/14/2012**	**9/17/2012**	**3/19/2013**	**3/19/2013**	**3/19/2013**
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NR	*200 U*	NR	NR	*21 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NR	20 U	NR	NR	2.1 UJ
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NR	20 U	NR	NR	2.1 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NR	*20 U*	NR	NR	*2.1 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NR	*100 U*	NR	NR	*10 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NR	*20 U*	NR	NR	2.1 UJ
Carbazole	86-74-8	ug/l	NV	NV	NV	NR	51 U	NR	NR	45
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NR	*51 U*	NR	NR	*5.2 UJ*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NR	*5.1 U*	NR	NR	0.52 U
Diallate	2303-16-4	ug/l	NV	NV	0.54	NR	*51 U*	NR	NR	*5.2 U*
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NR	*3 U*	NR	NR	*0.31 UJ*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NR	*20 U*	NR	NR	**13 J**
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NR	20 U	NR	NR	2.1 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NR	20 U	NR	NR	2.1 UJ
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NR	*51 U*	NR	NR	5.2 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NR	*100 UJ*	NR	NR	10 UJ
Diphenylamine	122-39-4	ug/l	NV	412	310	NR	51 U	NR	NR	5.2 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NR	51 U	NR	NR	5.2 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NR	*10 U*	NR	NR	1 U
Fluorene	86-73-7	ug/l	NV	2.4	290	NR	*10 U*	NR	NR	**5.1 J**
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NR	*5.1 U*	NR	NR	*0.52 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NR	*51 U*	NR	NR	*5.2 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NR	*200 U*	NR	NR	*21 U*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NR	*51 U*	NR	NR	*5.2 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NR	*1000 UJ*	NR	NR	*100 UJ*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NR	200 U	NR	NR	21 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NR	*2 U*	NR	NR	*0.21 UJ*
Isophorone	78-59-1	ug/l	NV	830	78	NR	20 U	NR	NR	2.1 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NR	51 U	NR	NR	5.2 U
Kepone	143-50-0	ug/l	NV	NV	NV	NR	NR	NR	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NR	400 U	NR	NR	41 UJ
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NR	*51 U*	NR	NR	*5.2 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	**900**	**60**	NR	**450 J**	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NR	*10 U*	NR	NR	*1 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NR	*51 U*	NR	NR	*5.2 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NR	*100 U*	NR	NR	*10 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NR	*51 U*	NR	NR	*5.2 UJ*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NR	*5.1 U*	NR	NR	*0.52 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NR	10 U	NR	NR	1 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NR	*51 U*	NR	NR	*5.2 UJ*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NR	*51 U*	NR	NR	*5.2 UJ*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NR	51 U	NR	NR	5.2 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NR	*51 U*	NR	NR	*5.2 U*
O,O,O-Triethyl phosphorothioate	126-68-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NR	51 U	NR	NR	5.2 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NR	*51 U*	NR	NR	*5.2 UJ*
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NR	*51 U*	NR	NR	*5.2 U*
Pentachloroethane	76-01-7	ug/L	NV	56.4	0.65	NR	NR	NR	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NR	*51 U*	NR	NR	*5.2 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NR	*200 U*	NR	NR	*21 U*
Phenacetin	62-44-2	ug/l	NV	NV	34	NR	*51 U*	NR	NR	5.2 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NR	*10 U*	NR	NR	**3.2 J**
Phenol	108-95-2	ug/l	NV	180	5800	NR	51 U	NR	NR	23 J
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NR	400 U	NR	NR	NR
Pronamide	23950-59-5	ug/l	NV	NV	NV	NR	100 U	NR	NR	10 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NR	*10 U*	NR	NR	*1 UJ*
Pyridine	110-86-1	ug/l	NV	NV	20	NR	*200 U*	NR	NR	*21 UJ*
Quinoline	91-22-5	ug/l	NV	NV	0.024	NR	*100 U*	NR	NR	*10 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NR	*51 U*	NR	NR	*5.2 U*

Table 3
Comparison of CAMU Leak Detection System (LDS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	**510-76601-1DL2**	**510-83571-1**	**510-90090-1**	**510-90090-1DL**	**510-90090-1RA**
					Lab Sample ID	**TRGDL2**	**TRG**	**TRG**	**TRG**	**TRG**
					Sample Type	**3/14/2012**	**9/17/2012**	**3/19/2013**	**3/19/2013**	**3/19/2013**
General Chemistry										
Ammonia as N	7664-41-7	ug/l	NV	150	NV	NR	**11000**	NR	**18000**	NR
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	NR	*10 U*	*10 U*	NR	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	NR	NR
Field Dissolved Oxygen	000000106	m/s	NV	NV	NV	NR	NR	NR	NR	NR
Field Dissolved Oxygen	000000106	ms/cm	NV	NV	NV	NR	9	NR	NR	NR
Field pH	000010297	S.U.	NV	NV	NV	NR	12.4	12	NR	NR
Field Temperature, F	000000086	Degree C	NV	NV	NV	NR	NR	NR	NR	NR
Field Temperature, F	000000086	Degree F	NV	NV	NV	NR	67.8	53.1	NR	NR
Specific Conductance		uS/cm	NV	NV	NV	NR	NR	NR	NR	NR
Specific Conductance		ms/cm	NV	NV	NV	NR	NR	NR	NR	NR
Specific Conductance		umhos/c	NV	NV	NV	NR	NR	NR	NR	NR
Specific Conductance		uS/cm	NV	NV	NV	NR	NR	9.68	NR	NR
Total Dissolved Solids		ug/l	NV	NV	NV	NR	2600000	2400000 J	NR	NR
Total Suspended Solids		ug/l	NV	NV	NV	NR	2000 U	2000 U	NR	NR
Inorganics										
Arsenic	7440-38-2	ug/l	10	150	0.052	NR	**2.6 J**	*4 U*	NR	NR
Barium	7440-39-3	ug/l	2000	438	3800	NR	430 J	430	NR	NR
Cadmium	7440-43-9	ug/l	5	2.2	9.2	NR	1 UJ	1 U	NR	NR
Chromium	7440-47-3	ug/l	100	74	NV	NR	3.5 J	3 U	NR	NR
Lead	7439-92-1	ug/l	15	6.4	15	NR	0.76 J	1.4	NR	NR
Lithium	7439-93-2	ug/l	NV	14	40	NR	**61 J**	**61**	NR	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	NR	0.2 U	0.2 U	NR	NR
Selenium	7782-49-2	ug/l	50	4.6	100	NR	1.5 J	1.8	NR	NR
Silver	7440-22-4	ug/l	NV	0.12	94	NR	*2 UJ*	*2 U*	NR	NR
PCBs										
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NR	*0.52 U*	*0.52 U*	NR	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NR	*0.52 U*	*0.52 U*	NR	NR
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NR	*0.52 U*	*0.52 U*	NR	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NR	*0.52 U*	*0.52 U*	NR	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NR	*0.52 U*	*0.52 U*	NR	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NR	*0.52 U*	*0.52 U*	NR	NR
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NR	*0.52 U*	*0.52 U*	NR	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NR	0.52 U	0.52 U	NR	NR
VOCs										
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NR	*1 U*	*2 UJ*	NR	NR
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NR	1 U	2 UJ	NR	NR
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NR	*1 U*	*2 UJ*	NR	NR
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NR	*1 UJ*	*2 UJ*	NR	NR
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NR	1 U	2 UJ	NR	NR
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NR	1 U	2 UJ	NR	NR
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NR	*1 U*	*2 UJ*	NR	NR
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NR	*2 U*	*4 UJ*	NR	NR
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NR	*1 U*	*2 UJ*	NR	NR
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NR	*1 U*	*2 UJ*	NR	NR
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NR	*1 U*	*2 UJ*	NR	NR
2-Butanone	78-93-3	ug/l	NV	14000	5600	NR	9.3	10 UJ	NR	NR
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NR	*1 U*	*2 UJ*	NR	NR
2-Hexanone	591-78-6	ug/l	NV	99	38	NR	5 U	10 UJ	NR	NR
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NR	*2.5 U*	*5 UJ*	NR	NR
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NR	5 U	10 UJ	NR	NR
Acetone	67-64-1	ug/l	NV	1700	14000	NR	77	110 J	NR	NR
Acetonitrile	75-05-8	ug/l	NV	12000	130	NR	20 U	40 UJ	NR	NR
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NR	*100 UJ*	*200 UJ*	NR	NR
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NR	*20 U*	*40 UJ*	NR	NR
Benzene	71-43-2	ug/l	5	98	0.46	NR	**290**	NR	**920 J**	NR
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NR	*1 U*	*2 UJ*	NR	NR
Bromoform	75-25-2	ug/l	80	61	3.3	NR	1 U	2 UJ	NR	NR
Bromomethane	74-83-9	ug/l	NV	16	7.5	NR	1 UJ	2 UJ	NR	NR

Table 3
Comparison of CAMU Leak Detection System (LDS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening Level	LDS-01	LDS-01	LDS-01	LDS-01	LDS-01
					Sample Date	510-76601-1DL2	510-83571-1	510-90090-1	510-90090-1DL	510-90090-1RA
					Lab Sample ID	TRGDL2	TRG	TRG	TRG	TRG
					Sample Type	3/14/2012	9/17/2012	3/19/2013	3/19/2013	3/19/2013
Carbon disulfide	75-15-0	ug/l	NV	15	810	NR	5 U	10 UJ	NR	NR
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NR	*1 U*	*2 UJ*	NR	NR
Chlorobenzene	108-90-7	ug/l	100	47	78	NR	1 U	2 UJ	NR	NR
Chloroethane	75-00-3	ug/l	NV	NV	21000	NR	1 U	2 UJ	NR	NR
Chloroform	67-66-3	ug/l	80	170	0.22	NR	*1 U*	*2 UJ*	NR	NR
Chloromethane	74-87-3	ug/l	NV	NV	190	NR	1 U	2 UJ	NR	NR
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NR	1 U	*2 UJ*	NR	NR
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NR	*1 U*	*2 UJ*	NR	NR
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NR	1 U	2 UJ	NR	NR
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NR	1 U	2 UJ	NR	NR
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NR	2.5 U	5 UJ	NR	NR
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NR	**4.5**	**5.3 J**	NR	NR
Iodomethane	74-88-4	ug/l	NV	NV	NV	NR	2.5 U	5 UJ	NR	NR
Isobutanol	78-83-1	ug/l	NV	NV	5900	NR	100 U	200 UJ	NR	NR
m&p-Xylene	179601-23-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NR	*2.5 U*	*5 UJ*	NR	NR
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NR	2.5 U	5 UJ	NR	NR
Methylene Chloride	75-09-2	ug/l	5	1500	11	NR	5 U	10 UJ	NR	NR
o-Xylene	95-47-6	ug/l	NV	NV	NV	NR	NR	NR	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NR	*10 U*	*20 UJ*	NR	NR
Propionitrile	107-12-0	ug/l	NV	NV	NV	NR	20 U	40 UJ	NR	NR
Styrene	100-42-5	ug/l	100	32	1200	NR	1 U	2 UJ	NR	NR
Tetrachloroethene	127-18-4	ug/l	5	60	11	NR	1 U	2 UJ	NR	NR
Toluene	108-88-3	ug/l	1000	94	1100	NR	11	9.8 J	NR	NR
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NR	1 U	2 UJ	NR	NR
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NR	1 U	*2 UJ*	NR	NR
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NR	*10 U*	*20 UJ*	NR	NR
Trichloroethene	79-01-6	ug/l	5	260	0.49	NR	*0.5 U*	*1 UJ*	NR	NR
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NR	1 U	2 UJ	NR	NR
Vinyl acetate	108-05-4	ug/l	NV	248	410	NR	2 U	4 UJ	NR	NR
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NR	*0.5 U*	*1 UJ*	NR	NR
Xylenes (Total)	1330-20-7	ug/l	10000	35	190	NR	20	20 J	NR	NR

Table 3
Comparison of CAMU Leak Detection System (LDS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Notes: Units
The screening values used for the comparisons include the USEPA Maximum Contaminant Levels (USEPA, 2013), the USEPA Regional Screening Levels for Tapwater (USEPA, May, 2016) and the Ecological Screening Values (URS, 2011) established for the East Breakwater Area.
CAS - chemical abstract system [number]
ESV - Ecological Screening Value
FD - field duplicate
MCL - Maximum Contaminant Level
NA - not applicable
NV - no value
RSL - Regional Screening Level
TRG = field sample
µg/L = micrograms per liter
USEPA - United States Environmental Protection Agency
* The results for 3&4-Methylphenol were compared to the screening value for 4-Methylphenol since this is the most conservative.

J indicates the chemical result is estimated, detected above the method detection limit but below the reporting limit.
R indicates the chemical result was rejected due to quality control exceedanes.
U indicates the chemical was not detected. The value presented is the reporting limit.
UJ indicates the chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the analyte in the sample.
UX indicates the chemical was not detected at or above the sample reporting limit and is a qualitative value. A qualitative value should be used with caution and should not be used for quantitative purposes.
Bold Indicates the sample result is a detect and exceeds one or more of the screening levels
Italics Indicates the sample result is non-detect and exceeds one or more of the screening levels
Samples collected in April 2014 were to verify exceedances of screening criteria.
Samples collected in May and November 2014 were quarterly samples collected at locations with confirmed exceedances, in accordance with the CAMU O&M Plan

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	510-44096-1	510-44096-2	510-53286-1	510-55157-1	510-57923-1	510-61582-1	510-61582-1DL	510-62214-1	510-62214-1DL	510-62214-1DL2	510-63010-1	510-63010-1DL	510-64263-1	510-64263-1DL	510-65429-1	510-65429-1DL	510-66183-1
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	9/3/2009	9/3/2009	6/8/2010	7/30/2010	10/15/2010	1/28/2011	1/28/2011	2/16/2011	2/16/2011	2/16/2011	3/10/2011	3/10/2011	4/15/2011	4/15/2011	5/18/2011	5/18/2011	6/7/2011
SVOCs																					
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 UJ*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	*21 U*	*20 U*	*10 U*	*20 UJ*	*10 UJ*	*20 U*	NR	*2 U*	NR	NR	*10 U*	NR	*21 U*	NR	*24 U*	NR	*20 UJ*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	*21 U*	*20 U*	10 U	*20 U*	10 U	*20 U*	NR	2 U	NR	NR	10 U	NR	*21 U*	NR	*24 U*	NR	*20 UJ*
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	5 U	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 U*
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	21 U	20 U	10 U	20 U	10 U	20 U	NR	2 U	NR	NR	10 U	NR	21 U	NR	24 U	NR	20 UJ
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 U*
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	*21 U*	*20 U*	*10 U*	*20 U*	*10 U*	*20 U*	NR	*2 U*	NR	NR	*10 U*	NR	*21 U*	NR	*24 U*	NR	*20 UJ*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	*210 U*	*200 U*	*100 U*	*200 U*	*100 U*	*200 U*	NR	*20 U*	NR	NR	*100 U*	NR	*210 U*	NR	*240 UJ*	NR	*200 UJ*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	100 U	100 U	51 U	100 U	50 U	100 U	NR	10 U	NR	NR	52 U	NR	100 U	NR	120 U	NR	100 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	52 U	51 U	51 U	100 U	50 U	100 U	NR	10 U	NR	NR	52 U	NR	100 U	NR	120 U	NR	100 U
2,2'-oxybis(2-chloropropane)	39638-32-9	ug/l	NV	NV	NV	21 U	20 U	10 U	20 U	10 U	20 U	NR	2 U	NR	NR	10 U	NR	21 U	NR	24 U	NR	20 UJ
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	52 U	51 U	25 U	50 U	25 U	50 U	NR	5 U	NR	NR	26 U	NR	52 U	NR	60 U	NR	51 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	*100 U*	*100 U*	*51 U*	*100 U*	*50 U*	*100 U*	NR	*10 U*	NR	NR	*52 U*	NR	*100 U*	NR	*120 U*	NR	*100 UJ*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	*100 U*	*100 U*	*51 U*	*100 U*	*50 U*	*100 U*	NR	10 U	NR	NR	*52 U*	NR	*100 U*	NR	*120 U*	NR	*100 UJ*
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	**200**	**290**	**100**	**180**	**130**	*100 U*	NR	NR	**80**	NR	**80**	NR	**110**	NR	*120 U*	NR	*100 UJ*
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	*210 U*	*200 U*	*100 U*	*200 U*	*100 U*	*200 U*	NR	*20 U*	NR	NR	*100 U*	NR	*210 U*	NR	*240 U*	NR	*200 U*
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	*10 U*	*10 U*	*5.1 U*	*10 U*	*5 U*	*10 U*	NR	*1 U*	NR	NR	*5.2 U*	NR	*10 U*	NR	*12 U*	NR	*10 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 UJ*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	*5.2 U*	*5.1 U*	*2.5 U*	*5 U*	*2.5 U*	*5 U*	NR	*0.5 U*	NR	NR	*2.6 U*	NR	*5.2 U*	NR	*6 U*	NR	*5.1 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	*21 U*	*20 U*	*10 U*	*20 U*	*10 U*	*20 U*	NR	*2 U*	NR	NR	*10 U*	NR	*21 U*	NR	*24 U*	NR	*20 UJ*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	*52 U*	*51 U*	*25 U*	*50 UJ*	*25 U*	*50 U*	NR	5 U	NR	NR	*26 UJ*	NR	*52 U*	NR	*60 U*	NR	*51 UJ*
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	**72**	**62**	**66**	**90**	**67**	**72**	NR	**49**	NR	NR	**46**	NR	**64**	NR	**54**	NR	**64 J**
2-Methylphenol	95-48-7	ug/l	NV	67	930	45	67	31	58 J	32	20 U	NR	2 UJ	NR	NR	15	NR	22	NR	24 U	NR	20 UJ
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	*52 U*	*51 U*	*51 U*	*100 U*	*50 U*	*100 U*	NR	*10 U*	NR	NR	*52 U*	NR	*100 U*	NR	*120 U*	NR	*100 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	52 U	51 U	25 U	50 U	25 U	50 U	NR	5 U	NR	NR	26 U	NR	52 U	NR	60 U	NR	51 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	*100 U*	*100 U*	51 U	*100 U*	50 U	*100 U*	NR	10 U	NR	NR	52 U	NR	*100 U*	NR	*120 U*	NR	*100 UJ*
2-Picoline	109-06-8	ug/l	NV	NV	NV	100 U	100 U	51 U	100 U	50 U	100 U	NR	10 U	NR	NR	52 U	NR	100 U	NR	120 U	NR	100 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	*100 U*	*100 U*	*51 U*	*100 U*	*50 U*	*100 U*	NR	*10 U*	NR	NR	*52 U*	NR	*100 U*	NR	*120 U*	NR	*100 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	170	240	110	160 J	140	95	NR	82	NR	NR	85	NR	130	NR	110	NR	97
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	*210 U*	*200 U*	0 R	*200 U*	*100 UJ*	*200 U*	NR	*20 U*	NR	NR	0 R	NR	*210 U*	NR	*240 U*	NR	*200 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	100 U	100 U	51 U	100 U	50 U	100 U	NR	10 U	NR	NR	52 U	NR	100 U	NR	120 U	NR	100 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	*210 U*	*200 U*	*100 U*	*200 U*	*100 U*	*200 U*	NR	*20 U*	NR	NR	*100 U*	NR	*210 U*	NR	*240 U*	NR	*200 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	*52 U*	*51 U*	*51 U*	*100 U*	*50 U*	*100 U*	NR	*10 U*	NR	NR	*52 U*	NR	*100 U*	NR	*120 U*	NR	*100 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	100 U	100 U	51 U	100 U	50 U	100 U	NR	10 U	NR	NR	52 U	NR	100 U	NR	120 U	NR	100 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	*100 U*	*100 U*	*51 U*	*100 U*	*50 U*	*100 U*	NR	*10 U*	NR	NR	*52 U*	NR	*100 U*	NR	*120 U*	NR	*100 UJ*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	52 U	51 U	25 U	50 U	25 U	50 U	NR	5 U	NR	NR	26 U	NR	52 U	NR	60 U	NR	51 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	*100 U*	*100 U*	*51 U*	*100 U*	*50 U*	*100 U*	NR	*10 U*	NR	NR	*52 U*	NR	*100 U*	NR	*120 U*	NR	*100 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	*210 U*	*200 U*	*100 U*	*200 U*	*100 U*	*200 U*	NR	20 UJ	NR	NR	*100 U*	NR	*210 U*	NR	*240 U*	NR	*200 U*
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	210 U	200 U	100 U	200 U	100 U	200 U	NR	20 U	NR	NR	100 U	NR	210 U	NR	240 U	NR	200 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	5 U	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 U*
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 U*
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	410 U	410 U	200 U	400 U	200 U	400 U	NR	40 U	NR	NR	210 U	NR	410 U	NR	480 U	NR	410 U
Acenaphthene	83-32-9	ug/l	NV	27	400	**70**	**110**	**150**	**200**	**110**	**130**	NR	**65**	NR	NR	**83**	NR	**120**	NR	**98**	NR	**120**
Acenaphthylene	208-96-8	ug/l	NV	4840	400	10 U	10 U	11	19	8.7	10 U	NR	6.6	NR	NR	7.4	NR	10	NR	12 U	NR	10 U
Acetophenone	98-86-2	ug/l	NV	1550	1900	52 U	51 U	25 U	50 U	25 U	50 U	NR	5 U	NR	NR	26 U	NR	52 U	NR	60 U	NR	51 UJ
Aniline	62-53-3	ug/l	NV	4.1	13	*210 U*	*200 U*	*100 U*	*200 U*	*100 UJ*	*200 U*	NR	*20 U*	NR	NR	*100 U*	NR	*210 U*	NR	*240 U*	NR	*200 UJ*
Anthracene	120-12-7	ug/l	NV	0.68	1800	*10 U*	*10 U*	*5.1 U*	*10 U*	*5 U*	*10 U*	NR	**1.6**	NR	NR	*5.2 U*	NR	*10 U*	NR	*12 U*	NR	*10 U*
Aramite	140-57-8	ug/l	NV	3.09	1.3	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 U*
Aramite Peak 1	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Aramite Peak 2	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	*2.1 U*	*2 U*	*1 U*	*2 U*	*1 U*	*2 U*	NR	*0.2 U*	NR	NR	*1 U*	NR	*2.1 U*	NR	*2.4 U*	NR	*2 U*
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	*2.1 U*	*2 U*	*1 U*	*2 U*	*1 U*	*2 U*	NR	*0.2 U*	NR	NR	*1 U*	NR	*2.1 U*	NR	*2.4 U*	NR	*2 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	*2.1 U*	*2 U*	*1 U*	*2 U*	*1 U*	*2 U*	NR	*0.2 U*	NR	NR	*1 U*	NR	*2.1 U*	NR	*2.4 U*	NR	*2 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	*10 U*	*10 U*	5.1 U	*10 U*	5 U	*10 U*	NR	1 U	NR	NR	5.2 U	NR	*10 U*	NR	*12 U*	NR	*10 U*
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	*2.1 U*	*2 U*	*1 U*	*2 U*	*1 U*	*2 U*	NR	0.2 U	NR	NR	*1 U*	NR	*2.1 U*	NR	*2.4 U*	NR	*2 U*
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	*210 U*	*200 U*	*100 U*	*200 U*	*100 U*	*200 U*	NR	*20 U*	NR	NR	*100 U*	NR	*210 U*	NR	*240 U*	NR	*200 UJ*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	21 U	20 U	10 U	20 UJ	10 U	20 U	NR	2 U	NR	NR	10 U	NR	21 U	NR	24 U	NR	20 UJ
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	*21 U*	*20 U*	*10 U*	*20 U*	*10 U*	*20 U*	NR	*2 U*	NR	NR	*10 U*	NR	*21 U*	NR	*24 U*	NR	*20 UJ*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	*100 U*	*100 U*	*51 U*	*100 U*	*50 U*	*100 U*	NR	*10 U*	NR	NR	*52 U*	NR	*100 U*	NR	*120 U*	NR	*100 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	*21 U*	*20 U*	10 U	*20 U*	10 U	*20 U*	NR	2 U	NR	NR	10 U	NR	*21 U*	NR	*24 U*	NR	*20 U*
Carbazole	86-74-8	ug/l	NV	NV	NV	72	56	81	83	58	73	NR	49	NR	NR	60	NR	82	NR	66	NR	70
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	*5.2 U*	*5.1 U*	*2.5 U*	*5 U*	*2.5 U*	*5 U*	NR	0.5 U	NR	NR	*2.6 U*	NR	*5.2 U*	NR	*6 U*	NR	*5.1 U*
Diallate	2303-16-4	ug/l	NV	NV	0.54	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 U*
Diallate Peak 1	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diallate Peak 2	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	510-44096-1	510-44096-2	510-53286-1	510-55157-1	510-57923-1	510-61582-1	510-61582-1DL	510-62214-1	510-62214-1DL	510-62214-1DL2	510-63010-1	510-63010-1DL	510-64263-1	510-64263-1DL	510-65429-1	510-65429-1DL	510-66183-1
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	9/3/2009	9/3/2009	6/8/2010	7/30/2010	10/15/2010	1/28/2011	1/28/2011	2/16/2011	2/16/2011	2/16/2011	3/10/2011	3/10/2011	4/15/2011	4/15/2011	5/18/2011	5/18/2011	6/7/2011
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	*3.1 U*	*3.1 U*	*1.5 U*	*3 U*	*1.5 U*	*3 U*	NR	*0.3 U*	NR	NR	*1.6 U*	NR	*3.1 U*	NR	*3.6 U*	NR	*3.1 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	**37**	**51**	**61**	**82**	**44**	**48**	NR	**27**	NR	NR	**31**	NR	**46**	NR	**35**	NR	**43**
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	21 U	20 U	10 U	20 U	10 U	20 U	NR	2 U	NR	NR	10 U	NR	21 U	NR	24 U	NR	20 UJ
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	21 U	20 U	10 U	20 U	10 U	20 U	NR	2 U	NR	NR	10 U	NR	21 U	NR	24 U	NR	20 UJ
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	5 U	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 U*
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	*100 U*	*100 U*	*51 U*	*100 U*	*50 U*	*100 U*	NR	10 U	NR	NR	*52 U*	NR	*100 U*	NR	*120 U*	NR	*100 U*
Diphenylamine	122-39-4	ug/l	NV	412	310	52 U	51 U	25 U	50 U	25 U	50 U	NR	5 U	NR	NR	26 U	NR	52 U	NR	60 U	NR	51 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	52 U	51 U	25 U	50 U	25 U	50 U	NR	5 U	NR	NR	26 U	NR	52 U	NR	60 U	NR	51 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	*10 U*	*10 U*	*5.1 U*	*10 U*	*5 U*	*10 U*	NR	1 U	NR	NR	*5.2 U*	NR	*10 U*	NR	*12 U*	NR	*10 U*
Fluorene	86-73-7	ug/l	NV	2.4	290	**27**	**38**	**47**	**62**	**33**	**36**	NR	**20**	NR	NR	**21**	NR	**36**	NR	**25**	NR	**33**
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	*5.2 U*	*5.1 U*	*2.5 U*	*5 U*	*2.5 U*	*5 U*	NR	*0.5 U*	NR	NR	*2.6 U*	NR	*5.2 U*	NR	*6 U*	NR	*5.1 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 UJ*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	*210 U*	*200 U*	*100 U*	*200 U*	*100 U*	*200 U*	NR	*20 U*	NR	NR	*100 U*	NR	*210 U*	NR	*240 U*	NR	*200 UJ*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 UJ*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	*1000 U*	*1000 U*	*510 U*	*1000 U*	*500 U*	*1000 U*	NR	*100 U*	NR	NR	*520 U*	NR	*1000 U*	NR	*1200 U*	NR	*1000 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	210 U	200 U	100 U	200 UJ	100 U	200 U	NR	20 UJ	NR	NR	100 U	NR	210 U	NR	240 UJ	NR	200 UJ
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	*2.1 U*	*2 U*	*1 U*	*2 U*	*1 U*	*2 U*	NR	*0.2 U*	NR	NR	*1 U*	NR	*2.1 U*	NR	*2.4 U*	NR	*2 U*
Isophorone	78-59-1	ug/l	NV	830	78	21 U	20 U	10 U	20 UJ	10 U	20 U	NR	2 U	NR	NR	10 U	NR	21 U	NR	24 U	NR	20 UJ
Isosafrole	120-58-1	ug/l	NV	NV	NV	52 U	51 U	25 U	50 U	25 U	50 U	NR	5 U	NR	NR	26 U	NR	52 U	NR	60 U	NR	51 U
Isosafrole Peak 1	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Isosafrole Peak 2	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	410 U	410 U	200 U	400 U	200 U	400 U	NR	40 U	NR	NR	210 U	NR	410 U	NR	480 U	NR	410 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	**670**	**580**	**610**	**760**	**1300**	NR	**1200**	NR	NR	**920**	NR	**840**	NR	**1300**	**920**	NR	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	*10 U*	*10 U*	*5.1 U*	*10 UJ*	*5 U*	*10 U*	NR	*1 U*	NR	NR	*5.2 U*	NR	*10 U*	NR	*12 U*	NR	*10 UJ*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 UJ*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	*100 U*	*100 U*	*51 U*	*100 U*	*50 U*	*100 UJ*	NR	*10 U*	NR	NR	*52 U*	NR	*100 U*	NR	*120 U*	NR	*100 UJ*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	*5.2 U*	*5.1 U*	*2.5 U*	*5 U*	*2.5 U*	*5 U*	NR	*0.5 U*	NR	NR	*2.6 U*	NR	*5.2 U*	NR	*6 U*	NR	*5.1 UJ*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	10 U	10 U	5.1 U	10 U	5 U	10 U	NR	1 U	NR	NR	5.2 U	NR	10 U	NR	12 U	NR	10 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 UJ*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	52 U	51 U	25 U	50 U	25 U	50 U	NR	5 U	NR	NR	26 U	NR	52 U	NR	60 U	NR	51 UJ
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	52 U	51 U	25 U	50 U	25 U	50 U	NR	5 U	NR	NR	26 U	NR	52 U	NR	60 U	NR	51 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 U*
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 U*
Pentachloroethane	76-01-7	ug/L	NV	56.4	0.65	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	*210 U*	*200 U*	*100 U*	*200 U*	*100 U*	*200 U*	NR	*20 U*	NR	NR	*100 U*	NR	*210 U*	NR	*240 U*	NR	*200 U*
Phenacetin	62-44-2	ug/l	NV	NV	34	*52 U*	*51 U*	25 U	*50 U*	25 U	*50 U*	NR	5 U	NR	NR	26 U	NR	*52 U*	NR	*60 U*	NR	*51 U*
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	*10 UJ*	**12 J**	**16**	**17**	**10**	**12**	NR	**5.1**	NR	NR	**6.2**	NR	*10 U*	NR	*12 U*	NR	*10 U*
Phenol	108-95-2	ug/l	NV	180	5800	**220**	**340**	160	**220**	**200**	**190**	NR	NR	180	NR	150	NR	**200**	NR	**210**	NR	180 J
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	410 U	410 U	200 U	400 U	200 U	400 U	NR	40 U	NR	NR	210 U	NR	410 U	NR	480 U	NR	410 U
Pronamide	23950-59-5	ug/l	NV	NV	NV	52 U	51 U	51 U	100 U	50 U	100 U	NR	10 U	NR	NR	52 U	NR	100 U	NR	120 U	NR	100 U
Pyrene	129-00-0	ug/l	NV	0.3	120	*10 U*	*10 U*	*5.1 U*	*10 U*	*5 U*	*10 U*	NR	*1 U*	NR	NR	*5.2 U*	NR	*10 U*	NR	*12 U*	NR	*10 U*
Pyridine	110-86-1	ug/l	NV	NV	20	*210 UJ*	*200 UJ*	*100 U*	*200 U*	*100 U*	*200 U*	NR	20 U	NR	NR	*100 UJ*	NR	*210 U*	NR	*240 UJ*	NR	*200 UJ*
Quinoline	91-22-5	ug/l	NV	NV	0.024	*100 U*	*100 U*	NR	NR	NR	*100 U*	NR	*10 U*	NR	NR	*52 U*	NR	*100 U*	NR	*120 U*	NR	*100 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	*52 U*	*51 U*	*25 U*	*50 U*	*25 U*	*50 U*	NR	*5 U*	NR	NR	*26 U*	NR	*52 U*	NR	*60 U*	NR	*51 U*
General Chemistry																						
Ammonia as N	7664-41-7	ug/l	NV	150	NV	NR	NR	NR	NR	NR	**16000**	NR	**14000 J**	NR	NR	**12000**	NR	**13000 J**	NR	**15000**	NR	**15000**
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field pH	000010297	S.U.	NV	NV	NV	11.2	12.3	12.2	11.9	12.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Temperature, F	000000086	Degree F	NV	NV	NV	68.1	67.1	59.6	62.1	57.4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		umhos/cm	NV	NV	NV	NR	NR	10000	12000	12000	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		uS/cm	NV	NV	NV	13	14	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Dissolved Solids		ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Suspended Solids		ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Inorganics																						
Arsenic	7440-38-2	ug/l	10	150	0.052	NR	NR	*30 U*	*30 U*	*30 U*	*30 U*	NR	*30 UJ*	NR	NR	*30 U*	NR	*30 UJ*	NR	*2 UJ*	NR	*2 UJ*
Barium	7440-39-3	ug/l	2000	438	3800	NR	NR	**580**	**700**	**790**	**700**	NR	**690 J**	NR	NR	**660**	NR	**700 J**	NR	**770 J**	NR	**690 J**
Cadmium	7440-43-9	ug/l	5	2.2	9.2	NR	NR	*10 U*	*10 U*	*10 U*	*10 U*	NR	*10 UJ*	NR	NR	*10 U*	NR	*10 UJ*	NR	1 UJ	NR	1 UJ
Chromium	7440-47-3	ug/l	100	74	NV	NR	NR	10 U	10 U	10 U	10 U	NR	10 UJ	NR	NR	10 U	NR	10 UJ	NR	1.5 UJ	NR	1.5 UJ
Lead	7439-92-1	ug/l	15	6.4	15	NR	NR	*50 U*	*50 U*	*50 U*	*50 U*	NR	*50 UJ*	NR	NR	*50 U*	NR	*50 UJ*	NR	0.5 UJ	NR	0.5 UJ
Lithium	7439-93-2	ug/l	NV	14	40	NR	NR	**32**	NR	NR	**37**	NR	**40 J**	NR	NR	**40**	NR	**44 J**	NR	**34 J**	NR	**33 J**
Mercury	7439-97-6	ug/l	2	0.77	0.63	NR	NR	0.2 U	0.2 U	0.2 U	0.2 U	NR	0.2 UJ	NR	NR	0.2 U	NR	0.2 UJ	NR	NR	NR	NR
Selenium	7782-49-2	ug/l	50	4.6	100	NR	NR	*20 U*	*20 U*	*20 U*	*20 U*	NR	*20 UJ*	NR	NR	*20 U*	NR	*20 UJ*	NR	1.2 J	NR	1.5 J
Silver	7440-22-4	ug/l	NV	0.12	94	NR	NR	*40 U*	*40 U*	*40 U*	*40 U*	NR	*40 UJ*	NR	NR	*40 U*	NR	*40 UJ*	NR	*2 UJ*	NR	*2 UJ*
PCBs																						
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	*0.56 U*	NR	*0.55 U*	*0.51 U*	*0.51 U*	*0.52 U*	NR	*0.52 U*	NR	NR	*0.51 U*	NR	*0.51 U*	NR	*0.56 U*	NR	*0.51 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	*0.56 U*	*0.54 U*	*0.55 U*	*0.51 U*	*0.51 U*	*0.52 U*	NR	*0.52 U*	NR	NR	*0.51 U*	NR	*0.51 U*	NR	*0.56 U*	NR	*0.51 U*

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	510-44096-1	510-44096-2	510-53286-1	510-55157-1	510-57923-1	510-61582-1	510-61582-1DL	510-62214-1	510-62214-1DL	510-62214-1DL2	510-63010-1	510-63010-1DL	510-64263-1	510-64263-1DL	510-65429-1	510-65429-1DL	510-66183-1
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	9/3/2009	9/3/2009	6/8/2010	7/30/2010	10/15/2010	1/28/2011	1/28/2011	2/16/2011	2/16/2011	2/16/2011	3/10/2011	3/10/2011	4/15/2011	4/15/2011	5/18/2011	5/18/2011	6/7/2011
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	0.56 U	0.54 U	0.55 U	0.51 U	0.51 U	0.52 U	NR	0.52 U	NR	NR	0.51 U	NR	0.51 U	NR	0.56 U	NR	0.51 U
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	0.56 U	0.54 U	0.55 U	0.51 U	0.51 U	0.52 U	NR	0.52 U	NR	NR	0.51 U	NR	0.51 U	NR	0.56 U	NR	0.51 U
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	0.56 U	0.54 U	0.55 U	0.51 U	0.51 U	0.52 U	NR	0.52 U	NR	NR	0.51 U	NR	0.51 U	NR	0.56 U	NR	0.51 U
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	0.56 U	0.54 U	0.55 U	0.51 U	0.51 U	0.52 U	NR	0.52 U	NR	NR	0.51 U	NR	0.51 U	NR	0.56 U	NR	0.51 U
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	0.56 U	0.54 U	0.55 U	0.51 U	0.51 U	0.52 U	NR	0.52 U	NR	NR	0.51 U	NR	0.51 U	NR	0.56 U	NR	0.51 U
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	0.56 U	0.54 U	0.55 U	0.51 U	0.51 U	0.52 U	NR	0.52 U	NR	NR	0.51 U	NR	0.51 U	NR	0.56 U	NR	0.51 U
VOCs																					
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	10 UJ	10 UJ	5 U	0 R	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	10 UJ	10 UJ	5 U	10 UJ	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	20 UJ	20 UJ	10 U	20 UJ	10 U	2 UJ	NR	10 U	NR	NR	4 UJ	NR	10 U	NR	10 U	NR	10 U
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
2-Butanone	78-93-3	ug/l	NV	14000	5600	50 UJ	50 UJ	25 U	50 U	25 U	5 UJ	NR	25 U	NR	NR	10 UJ	NR	25 U	NR	25 U	NR	25 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
2-Hexanone	591-78-6	ug/l	NV	99	38	50 UJ	50 UJ	25 U	50 U	25 U	5 UJ	NR	25 U	NR	NR	10 UJ	NR	25 U	NR	25 U	NR	25 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	25 UJ	25 UJ	12 U	25 U	12 U	2.5 UJ	NR	12 U	NR	NR	5 UJ	NR	12 U	NR	12 U	NR	12 U
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	50 UJ	50 UJ	25 U	50 U	25 U	5 UJ	NR	25 U	NR	NR	10 UJ	NR	25 U	NR	25 U	NR	25 U
Acetone	67-64-1	ug/l	NV	1700	14000	50 UJ	50 UJ	30	50 U	39 U	5 UJ	NR	45	NR	NR	10 UJ	NR	39 U	NR	43 U	NR	25 U
Acetonitrile	75-05-8	ug/l	NV	12000	130	200 UJ	200 UJ	100 U	200 U	100 U	20 UJ	NR	100 U	NR	NR	40 UJ	NR	100 U	NR	100 U	NR	100 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	1000 UJ	1000 UJ	500 U	1000 U	500 U	100 UJ	NR	500 U	NR	NR	200 UJ	NR	500 U	NR	500 U	NR	500 U
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	200 UJ	200 UJ	100 U	200 U	100 U	20 UJ	NR	100 U	NR	NR	40 UJ	NR	100 U	NR	100 U	NR	100 U
Benzene	71-43-2	ug/l	5	98	0.46	**1900 J**	**1800 J**	**1300**	**2600**	**1500**	NR	**1500**	**870**	NR	NR	NR	**1400**	NR	**1200**	NR	**1300**	NR
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
Bromoform	75-25-2	ug/l	80	61	3.3	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
Bromomethane	74-83-9	ug/l	NV	16	7.5	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
Carbon disulfide	75-15-0	ug/l	NV	15	810	50 UJ	50 UJ	25 U	50 U	25 U	5 UJ	NR	25 U	NR	NR	10 UJ	NR	25 U	NR	25 U	NR	25 U
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
Chlorobenzene	108-90-7	ug/l	100	47	78	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
Chloroform	67-66-3	ug/l	80	170	0.22	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
Chloromethane	74-87-3	ug/l	NV	NV	190	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	25 UJ	25 UJ	12 U	25 U	12 U	2.5 UJ	NR	12 U	NR	NR	5 UJ	NR	12 U	NR	12 U	NR	12 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	**20 J**	**16 J**	**9.7**	**14**	**18**	**3.2 J**	NR	**13**	NR	NR	**15 J**	NR	**15**	NR	**14**	NR	**14**
Iodomethane	74-88-4	ug/l	NV	NV	NV	25 UJ	25 UJ	12 U	25 U	12 U	2.5 UJ	NR	12 U	NR	NR	5 UJ	NR	12 U	NR	12 U	NR	12 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	1000 UJ	1000 UJ	500 U	1000 U	500 U	100 UJ	NR	500 U	NR	NR	200 UJ	NR	500 U	NR	500 U	NR	500 U
m&p-Xylene	179601-23-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	25 UJ	25 UJ	12 U	25 U	12 U	2.5 UJ	NR	12 U	NR	NR	5 UJ	NR	12 U	NR	12 U	NR	12 U
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	25 UJ	25 UJ	12 U	25 U	12 U	2.5 UJ	NR	12 U	NR	NR	5 UJ	NR	12 U	NR	12 U	NR	12 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	20 UJ	20 UJ	10 U	20 U	10 U	2 UJ	NR	10 U	NR	NR	4 UJ	NR	10 U	NR	25 U	NR	25 U
o-Xylene	95-47-6	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	25 UJ	25 UJ	50 U	100 U	50 U	10 UJ	NR	50 U	NR	NR	20 UJ	NR	50 U	NR	50 U	NR	50 U
Propionitrile	107-12-0	ug/l	NV	NV	NV	200 UJ	200 UJ	100 U	200 U	100 U	20 UJ	NR	100 U	NR	NR	40 UJ	NR	100 U	NR	100 U	NR	100 U
Styrene	100-42-5	ug/l	100	32	1200	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
Toluene	108-88-3	ug/l	1000	94	1100	45 J	40 J	24	33	44	6.7 J	NR	26	NR	NR	34 J	NR	33	NR	32	NR	28
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	25 UJ	25 UJ	50 U	100 U	50 U	10 UJ	NR	50 U	NR	NR	20 UJ	NR	50 U	NR	50 U	NR	50 U
Trichloroethene	79-01-6	ug/l	5	260	0.49	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	2.5 U	NR	NR	1 UJ	NR	2.5 U	NR	2.5 U	NR	2.5 U
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	5 U	NR	NR	2 UJ	NR	5 U	NR	5 U	NR	5 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	50 UJ	50 UJ	25 U	0 R	25 U	5 UJ	NR	10 U	NR	NR	4 UJ	NR	10 U	NR	10 U	NR	10 U
Vinyl chloride	75-01-4	ug/l	2	930	0.015	10 UJ	10 UJ	5 U	10 U	5 U	1 UJ	NR	2.5 U	NR	NR	1 UJ	NR	2.5 U	NR	2.5 U	NR	2.5 U
Xylenes (Total)	1330-20-7	ug/l	10000	35	190	**51 J**	**47 J**	29	34	**54**	8.8 J	NR	35	NR	NR	**42 J**	NR	**42**	NR	**37**	NR	**36**

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	510-66183-1DL	510-67517-1	510-67517-1DL	510-67517-1RE	510-68598-1	510-68598-1DL	510-69964-1	510-69964-1DL	510-69964-1RA	510-71151-1	510-71151-1DL	510-71602-1	510-71602-1DL	510-72135-1	510-72135-1DL	510-73216-1	510-73216-1DL
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	6/7/2011	7/11/2011	7/11/2011	7/11/2011	8/8/2011	8/8/2011	9/14/2011	9/14/2011	9/14/2011	10/13/2011	10/13/2011	10/26/2011	10/26/2011	11/10/2011	11/10/2011	12/8/2011	12/8/2011
SVOCs																						
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NR	*20 U*	NR	NR	*11 U*	NR	*10 U*	NR	NR	*20 U*	NR	NR	NR	*11 U*	NR	*21 U*	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NR	*20 U*	NR	NR	11 U	NR	10 U	NR	NR	*20 U*	NR	NR	NR	11 U	NR	*21 U*	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NR	20 U	NR	NR	11 U	NR	10 U	NR	NR	20 U	NR	NR	NR	11 U	NR	21 U	NR
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NR	*20 U*	NR	NR	*11 U*	NR	*10 U*	NR	NR	*20 U*	NR	NR	NR	*11 U*	NR	*21 U*	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NR	*200 U*	NR	NR	*110 U*	NR	*100 U*	NR	NR	*200 U*	NR	NR	NR	*110 U*	NR	*210 UJ*	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NR	100 U	NR	NR	53 U	NR	51 U	NR	NR	100 U	NR	NR	NR	53 U	NR	100 U	NR
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NR	100 U	NR	NR	53 U	NR	51 U	NR	NR	100 U	NR	NR	NR	53 U	NR	100 U	NR
2,2'-oxybis(2-chloropropane)	39638-32-9	ug/l	NV	NV	NV	NR	20 U	NR	NR	11 U	NR	10 U	NR	NR	20 U	NR	NR	NR	11 U	NR	21 U	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NR	50 U	NR	NR	26 U	NR	26 U	NR	NR	50 U	NR	NR	NR	26 U	NR	52 U	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NR	*100 U*	NR	NR	*53 U*	NR	*51 U*	NR	NR	*100 U*	NR	NR	NR	*53 U*	NR	*100 U*	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NR	*100 U*	NR	NR	*53 U*	NR	*51 U*	NR	NR	*100 U*	NR	NR	NR	*53 U*	NR	*100 U*	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NR	**130 J**	NR	NR	**72**	NR	*51 U*	NR	NR	*100 U*	NR	NR	NR	*53 U*	NR	*100 U*	NR
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NR	*200 UJ*	NR	NR	*110 U*	NR	*100 U*	NR	NR	*200 U*	NR	NR	NR	*110 U*	NR	*210 UJ*	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NR	*10 U*	NR	NR	*5.3 U*	NR	*5.1 U*	NR	NR	*10 U*	NR	NR	NR	*5.3 U*	NR	*10 U*	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NR	*5 U*	NR	NR	*2.6 U*	NR	*2.6 U*	NR	NR	*5 U*	NR	NR	NR	*2.6 U*	NR	*5.2 U*	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NR	*20 U*	NR	NR	*11 U*	NR	*10 U*	NR	NR	*20 U*	NR	NR	NR	*11 U*	NR	*21 U*	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NR	**95 J**	NR	NR	**96**	NR	**110**	NR	NR	**120**	NR	NR	NR	**98**	NR	**70**	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	NR	25 J	NR	NR	19	NR	37	NR	NR	25	NR	NR	NR	21	NR	35	NR
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NR	*100 U*	NR	NR	*53 U*	NR	*51 U*	NR	NR	*100 U*	NR	NR	NR	*53 U*	NR	*100 U*	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NR	50 U	NR	NR	26 U	NR	26 U	NR	NR	50 U	NR	NR	NR	26 U	NR	52 U	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NR	*100 U*	NR	NR	53 U	NR	51 U	NR	NR	*100 U*	NR	NR	NR	53 U	NR	*100 U*	NR
2-Picoline	109-06-8	ug/l	NV	NV	NV	NR	100 U	NR	NR	53 U	NR	51 U	NR	NR	100 U	NR	NR	NR	53 U	NR	100 U	NR
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	NV	7	NV	NR	*100 U*	NR	NR	*53 U*	NR	*51 U*	NR	NR	*100 U*	NR	NR	NR	*53 U*	NR	*100 U*	NR
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NR	150 J	NR	NR	43	NR	22	NR	NR	22	NR	NR	NR	26	NR	54 J	NR
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NR	*200 U*	NR	NR	*110 U*	NR	*100 U*	NR	NR	*200 U*	NR	NR	NR	0 R	NR	*210 U*	NR
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NR	*50 UJ*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NR	100 U	NR	NR	53 U	NR	51 U	NR	NR	100 U	NR	NR	NR	53 U	NR	100 U	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NR	*200 U*	NR	NR	*110 U*	NR	*100 U*	NR	NR	*200 U*	NR	NR	NR	*110 U*	NR	*210 UJ*	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NR	*100 U*	NR	NR	*53 U*	NR	*51 U*	NR	NR	*100 U*	NR	NR	NR	*53 U*	NR	*100 U*	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NR	100 U	NR	NR	53 U	NR	51 U	NR	NR	100 U	NR	NR	NR	53 U	NR	100 U	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NR	*100 U*	NR	NR	*53 U*	NR	*51 U*	NR	NR	*100 U*	NR	NR	NR	*53 U*	NR	*100 U*	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NR	50 U	NR	NR	26 U	NR	26 U	NR	NR	50 U	NR	NR	NR	26 U	NR	52 U	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NR	*100 U*	NR	NR	*53 U*	NR	*51 U*	NR	NR	*100 U*	NR	NR	NR	*53 U*	NR	*100 U*	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NR	*200 U*	NR	NR	*110 U*	NR	*100 U*	NR	NR	*200 U*	NR	NR	NR	*110 U*	NR	*210 U*	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NR	200 U	NR	NR	110 U	NR	100 U	NR	NR	200 U	NR	NR	NR	110 U	NR	0 R	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NR	*50 UJ*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NR	400 U	NR	NR	210 U	NR	200 U	NR	NR	400 U	NR	NR	NR	210 U	NR	410 UJ	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	NR	**150 J**	NR	NR	**160**	NR	**190**	NR	NR	**190**	NR	NR	NR	**170**	NR	**190**	NR
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NR	11 J	NR	NR	16	NR	20	NR	NR	19	NR	NR	NR	17	NR	21	NR
Acetophenone	98-86-2	ug/l	NV	1550	1900	NR	50 U	NR	NR	26 U	NR	26 U	NR	NR	50 U	NR	NR	NR	26 U	NR	52 U	NR
Aniline	62-53-3	ug/l	NV	4.1	13	NR	*200 U*	NR	NR	*110 U*	NR	*100 U*	NR	NR	*200 U*	NR	NR	NR	*110 U*	NR	*210 U*	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	NR	*10 U*	NR	NR	*5.3 U*	NR	**5.3**	NR	NR	*10 U*	NR	NR	NR	*5.3 U*	NR	*10 U*	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	0 R	NR
Aramite Peak 1	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Aramite Peak 2	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NR	*2 U*	NR	NR	*1.1 U*	NR	*1 U*	NR	NR	*2 U*	NR	NR	NR	*1.1 U*	NR	*2.1 U*	NR
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NR	*2 UJ*	NR	NR	*1.1 U*	NR	*1 U*	NR	NR	*2 U*	NR	NR	NR	*1.1 U*	NR	*2.1 U*	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NR	*2 UJ*	NR	NR	*1.1 U*	NR	*1 U*	NR	NR	*2 U*	NR	NR	NR	*1.1 U*	NR	*2.1 U*	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NR	*10 UJ*	NR	NR	5.3 U	NR	5.1 U	NR	NR	*10 U*	NR	NR	NR	5.3 U	NR	*10 U*	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NR	*2 UJ*	NR	NR	*1.1 U*	NR	*1 U*	NR	NR	*2 U*	NR	NR	NR	*1.1 U*	NR	*2.1 U*	NR
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NR	*200 U*	NR	NR	*110 U*	NR	*100 U*	NR	NR	*200 U*	NR	NR	NR	*110 U*	NR	*210 U*	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NR	20 U	NR	NR	11 U	NR	10 U	NR	NR	20 U	NR	NR	NR	11 U	NR	21 U	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NR	*20 U*	NR	NR	*11 U*	NR	*10 U*	NR	NR	*20 U*	NR	NR	NR	*11 U*	NR	*21 U*	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NR	*100 U*	NR	NR	*53 U*	NR	*51 U*	NR	NR	*100 U*	NR	NR	NR	*53 U*	NR	*100 U*	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NR	NR	NR	*21 UJ*	11 U	NR	10 U	NR	NR	*20 U*	NR	NR	NR	11 U	NR	*21 U*	NR
Carbazole	86-74-8	ug/l	NV	NV	NV	NR	87 J	NR	NR	96	NR	120	NR	NR	110	NR	NR	NR	110	NR	89	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NR	*5 U*	NR	NR	*2.6 U*	NR	*2.6 U*	NR	NR	*5 U*	NR	NR	NR	*2.6 U*	NR	*5.2 U*	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
Diallate Peak 1	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diallate Peak 2	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	510-66183-1DL	510-67517-1	510-67517-1DL	510-67517-1RE	510-68598-1	510-68598-1DL	510-69964-1	510-69964-1DL	510-69964-1RA	510-71151-1	510-71151-1DL	510-71602-1	510-71602-1DL	510-72135-1	510-72135-1DL	510-73216-1	510-73216-1DL
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	6/7/2011	7/11/2011	7/11/2011	7/11/2011	8/8/2011	8/8/2011	9/14/2011	9/14/2011	9/14/2011	10/13/2011	10/13/2011	10/26/2011	10/26/2011	11/10/2011	11/10/2011	12/8/2011	12/8/2011
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NR	*3 UJ*	NR	NR	*1.6 U*	NR	*1.5 U*	NR	NR	*3 U*	NR	NR	NR	*1.6 U*	NR	*3.1 U*	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NR	**55 J**	NR	NR	**66**	NR	**76**	NR	NR	**71**	NR	NR	NR	**67**	NR	**69**	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NR	NR	NR	21 UJ	11 U	NR	10 U	NR	NR	20 U	NR	NR	NR	11 U	NR	21 U	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NR	NR	NR	21 UJ	11 U	NR	10 U	NR	NR	20 U	NR	NR	NR	11 U	NR	21 U	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NR	NR	NR	*52 UJ*	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NR	*100 UJ*	NR	NR	*53 U*	NR	*51 U*	NR	NR	*100 U*	NR	NR	NR	*53 U*	NR	*100 U*	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	NR	50 U	NR	NR	26 U	NR	26 U	NR	NR	50 U	NR	NR	NR	26 U	NR	52 U	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NR	50 U	NR	NR	26 U	NR	26 U	NR	NR	50 U	NR	NR	NR	26 U	NR	52 U	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NR	*10 U*	NR	NR	*5.3 U*	NR	*5.1 U*	NR	NR	*10 U*	NR	NR	NR	*5.3 U*	NR	*10 U*	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	NR	**42 J**	NR	NR	**53**	NR	**59**	NR	NR	**54**	NR	NR	NR	**51**	NR	**53**	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NR	*5 U*	NR	NR	*2.6 U*	NR	*2.6 U*	NR	NR	*5 U*	NR	NR	NR	*2.6 U*	NR	*5.2 U*	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NR	*200 U*	NR	NR	*110 U*	NR	*100 U*	NR	NR	*200 U*	NR	NR	NR	*110 U*	NR	*210 UJ*	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NR	*1000 UJ*	NR	NR	*530 U*	NR	*510 U*	NR	NR	*1000 U*	NR	NR	NR	*530 U*	NR	0 R	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NR	200 U	NR	NR	110 U	NR	100 U	NR	NR	200 U	NR	NR	NR	110 U	NR	210 U	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NR	*2 UJ*	NR	NR	*1.1 U*	NR	*1 U*	NR	NR	**2.4**	NR	NR	NR	*1.1 U*	NR	*2.1 U*	NR
Isophorone	78-59-1	ug/l	NV	830	78	NR	20 U	NR	NR	11 U	NR	10 U	NR	NR	20 U	NR	NR	NR	11 U	NR	21 U	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	NR	50 U	NR	NR	26 U	NR	26 U	NR	NR	50 U	NR	NR	NR	26 U	NR	52 U	NR
Isosafrole Peak 1	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Isosafrole Peak 2	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NR	400 U	NR	NR	210 U	NR	200 U	NR	NR	400 U	NR	NR	NR	210 U	NR	410 UJ	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	**1200 J**	NR	**1400**	NR	NR	**1200**	NR	**1700**	NR	NR	**1800**	NR	NR	NR	**1500**	**690**	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NR	*10 U*	NR	NR	*5.3 U*	NR	*5.1 U*	NR	NR	*10 U*	NR	NR	NR	*5.3 U*	NR	*10 U*	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NR	*100 U*	NR	NR	*53 U*	NR	*51 U*	NR	NR	*100 U*	NR	NR	NR	*53 U*	NR	*100 U*	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NR	*5 U*	NR	NR	*2.6 U*	NR	*2.6 U*	NR	NR	*5 U*	NR	NR	NR	*2.6 U*	NR	*5.2 U*	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NR	10 U	NR	NR	5.3 U	NR	5.1 U	NR	NR	10 U	NR	NR	NR	5.3 U	NR	10 U	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 UJ*	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NR	50 U	NR	NR	26 U	NR	26 U	NR	NR	50 U	NR	NR	NR	26 U	NR	52 U	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NR	50 U	NR	NR	26 U	NR	26 U	NR	NR	50 U	NR	NR	NR	26 U	NR	52 U	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
Pentachloroethane	76-01-7	ug/L	NV	56.4	0.65	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NR	*200 U*	NR	NR	*110 U*	NR	*100 U*	NR	NR	*200 U*	NR	NR	NR	*110 U*	NR	*210 U*	NR
Phenacetin	62-44-2	ug/l	NV	NV	34	NR	*50 U*	NR	NR	26 U	NR	26 U	NR	NR	*50 U*	NR	NR	NR	26 U	NR	*52 U*	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NR	*10 U*	NR	NR	**21**	NR	**17**	NR	NR	**14**	NR	NR	NR	*5.3 U*	NR	**14**	NR
Phenol	108-95-2	ug/l	NV	180	5800	NR	**310 J**	NR	NR	59	NR	34	NR	NR	50 U	NR	NR	NR	40	NR	67	NR
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NR	400 U	NR	NR	210 U	NR	200 U	NR	NR	400 U	NR	NR	NR	210 U	NR	410 U	NR
Pronamide	23950-59-5	ug/l	NV	NV	NV	NR	100 U	NR	NR	53 U	NR	51 U	NR	NR	100 U	NR	NR	NR	53 U	NR	100 U	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	NR	*10 U*	NR	NR	*5.3 U*	NR	*5.1 U*	NR	NR	*10 U*	NR	NR	NR	*5.3 U*	NR	*10 U*	NR
Pyridine	110-86-1	ug/l	NV	NV	20	NR	*200 U*	NR	NR	*110 U*	NR	*100 U*	NR	NR	*200 U*	NR	NR	NR	*110 U*	NR	*210 U*	NR
Quinoline	91-22-5	ug/l	NV	NV	0.024	NR	*100 U*	NR	NR	*53 U*	NR	*51 U*	NR	NR	*100 U*	NR	NR	NR	*53 U*	NR	*100 U*	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NR	*50 U*	NR	NR	*26 U*	NR	*26 U*	NR	NR	*50 U*	NR	NR	NR	*26 U*	NR	*52 U*	NR
General Chemistry																						
Ammonia as N	7664-41-7	ug/l	NV	150	NV	NR	**12000**	NR	NR	**15000**	NR	**13000**	NR	NR	**23000**	NR	NR	NR	**15000**	NR	**17000**	NR
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	NR	*10 U*	NR	*10 U*	NR	NR	*10 U*	NR	NR	NR	*10 U*	NR	*10 UJ*	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field pH	000010297	S.U.	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Temperature, F	000000086	Degree F	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		umhos/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		uS/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Dissolved Solids		ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Suspended Solids		ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Inorganics																						
Arsenic	7440-38-2	ug/l	10	150	0.052	NR	*2 UJ*	NR	NR	**2.5 J**	NR	**2 J**	NR	NR	*2 UJ*	NR	NR	NR	**2**	NR	*2 UJ*	NR
Barium	7440-39-3	ug/l	2000	438	3800	NR	**740 J**	NR	NR	380 J	NR	250 J	NR	NR	350 J	NR	NR	NR	380	NR	**540 J**	NR
Cadmium	7440-43-9	ug/l	5	2.2	9.2	NR	1 UJ	NR	NR	1 UJ	NR	1 UJ	NR	NR	1 UJ	NR	NR	NR	1 U	NR	1 UJ	NR
Chromium	7440-47-3	ug/l	100	74	NV	NR	1.5 UJ	NR	NR	1.5 UJ	NR	1.5 UJ	NR	NR	1.5 UJ	NR	NR	NR	1.5 U	NR	1.5 UJ	NR
Lead	7439-92-1	ug/l	15	6.4	15	NR	0.5 UJ	NR	NR	0.81 J	NR	0.5 UJ	NR	NR	0.62 J	NR	NR	NR	0.5 U	NR	0.5 UJ	NR
Lithium	7439-93-2	ug/l	NV	14	40	NR	**34 J**	NR	NR	**30 J**	NR	**36 J**	NR	NR	**33 J**	NR	NR	NR	**31**	NR	**30 J**	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	NR	0.2 UJ	NR	NR	0.2 UJ	NR	0.2 UJ	NR	NR	0.2 UJ	NR	NR	NR	0.2 U	NR	0.2 UJ	NR
Selenium	7782-49-2	ug/l	50	4.6	100	NR	1.9 J	NR	NR	1.8 J	NR	1 UJ	NR	NR	1 J	NR	NR	NR	1 U	NR	1 UJ	NR
Silver	7440-22-4	ug/l	NV	0.12	94	NR	*2 UJ*	NR	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*2 UJ*	NR	NR	NR	*2 U*	NR	*2 UJ*	NR
PCBs																						
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NR	*0.52 U*	NR	NR	*0.52 U*	NR	*0.52 U*	NR	NR	*0.52 U*	NR	NR	NR	*0.52 U*	NR	*0.53 U*	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NR	*0.52 U*	NR	NR	*0.52 U*	NR	*0.52 U*	NR	NR	*0.52 U*	NR	NR	NR	*0.52 U*	NR	*0.53 U*	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	510-66183-1DL	510-67517-1	510-67517-1DL	510-67517-1RE	510-68598-1	510-68598-1DL	510-69964-1	510-69964-1DL	510-69964-1RA	510-71151-1	510-71151-1DL	510-71602-1	510-71602-1DL	510-72135-1	510-72135-1DL	510-73216-1	510-73216-1DL
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	6/7/2011	7/11/2011	7/11/2011	7/11/2011	8/8/2011	8/8/2011	9/14/2011	9/14/2011	9/14/2011	10/13/2011	10/13/2011	10/26/2011	10/26/2011	11/10/2011	11/10/2011	12/8/2011	12/8/2011
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NR	*0.52 U*	NR	NR	*0.52 U*	NR	*0.52 U*	NR	NR	*0.52 U*	NR	NR	NR	*0.52 U*	NR	*0.53 U*	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NR	*0.52 U*	NR	NR	*0.52 U*	NR	*0.52 U*	NR	NR	*0.52 U*	NR	NR	NR	*0.52 U*	NR	*0.53 U*	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NR	*0.52 U*	NR	NR	*0.52 U*	NR	*0.52 U*	NR	NR	*0.52 U*	NR	NR	NR	*0.52 U*	NR	*0.53 U*	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NR	*0.52 U*	NR	NR	*0.52 U*	NR	*0.52 U*	NR	NR	*0.52 U*	NR	NR	NR	*0.52 U*	NR	*0.53 U*	NR
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NR	*0.52 U*	NR	NR	*0.52 U*	NR	*0.52 U*	NR	NR	*0.52 U*	NR	NR	NR	*0.52 U*	NR	*0.53 U*	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NR	*0.52 U*	NR	NR	*0.52 U*	NR	*0.52 U*	NR	NR	*0.52 U*	NR	NR	NR	*0.52 U*	NR	*0.53 U*	NR
VOCs																						
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NR	*1 UJ*	NR	NR	*2 UJ*	NR	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NR	1 UJ	NR	NR	2 UJ	NR	NR	NR	10 UJ	NR	NR	10 U	NR	10 U	NR	10 U	NR
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NR	*1 UJ*	NR	NR	*2 UJ*	NR	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NR	*1 UJ*	NR	NR	*2 UJ*	NR	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NR	1 UJ	NR	NR	2 UJ	NR	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NR	1 UJ	NR	NR	2 UJ	NR	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NR	*1 UJ*	NR	NR	*2 UJ*	NR	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NR	*2 UJ*	NR	NR	*4 UJ*	NR	NR	NR	*20 UJ*	NR	NR	*20 U*	NR	*20 U*	NR	*20 UJ*	NR
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NR	*1 UJ*	NR	NR	*2 UJ*	NR	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NR	*1 UJ*	NR	NR	*2 UJ*	NR	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NR	*1 UJ*	NR	NR	*2 UJ*	NR	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR
2-Butanone	78-93-3	ug/l	NV	14000	5600	NR	5 UJ	NR	NR	11 UJ	NR	NR	NR	50 UJ	NR	NR	50 U	NR	50 U	NR	50 UJ	NR
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NR	*1 UJ*	NR	NR	*2 UJ*	NR	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*10 U*	NR	*10 UJ*	NR
2-Hexanone	591-78-6	ug/l	NV	99	38	NR	5 UJ	NR	NR	10 UJ	NR	NR	NR	*50 UJ*	NR	NR	*50 U*	NR	*50 U*	NR	*50 U*	NR
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NR	*2.5 UJ*	NR	NR	*5 UJ*	NR	NR	NR	*25 UJ*	NR	NR	*25 U*	NR	*25 U*	NR	*25 UJ*	NR
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NR	5 UJ	NR	NR	10 UJ	NR	NR	NR	50 UJ	NR	NR	50 U	NR	50 U	NR	50 UJ	NR
Acetone	67-64-1	ug/l	NV	1700	14000	NR	26 UJ	NR	NR	16 UJ	NR	NR	NR	50 UJ	NR	NR	50 U	NR	50 U	NR	50 U	NR
Acetonitrile	75-05-8	ug/l	NV	12000	130	NR	20 UJ	NR	NR	40 UJ	NR	NR	NR	*200 UJ*	NR	NR	*200 U*	NR	*200 U*	NR	0 R	NR
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NR	*100 UJ*	NR	NR	*200 UJ*	NR	NR	NR	*1000 UJ*	NR	NR	*1000 U*	NR	*1000 U*	NR	0 R	NR
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NR	*20 UJ*	NR	NR	*40 UJ*	NR	NR	NR	*200 UJ*	NR	NR	*200 U*	NR	*200 U*	NR	*200 UJ*	NR
Benzene	71-43-2	ug/l	5	98	0.46	**1000**	NR	**1100**	NR	NR	**1500**	NR	**2600**	NR	NR	NR	NR	**2900**	NR	**2500 J**	NR	**2000**
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NR	*1 UJ*	NR	NR	*2 UJ*	NR	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR
Bromoform	75-25-2	ug/l	80	61	3.3	NR	1 UJ	NR	NR	2 UJ	NR	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR
Bromomethane	74-83-9	ug/l	NV	16	7.5	NR	1 UJ	NR	NR	2 UJ	NR	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR
Carbon disulfide	75-15-0	ug/l	NV	15	810	NR	5 UJ	NR	NR	10 UJ	NR	NR	NR	*50 UJ*	NR	NR	*50 U*	NR	*50 U*	NR	*50 U*	NR
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NR	*1 UJ*	NR	NR	*2 UJ*	NR	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR
Chlorobenzene	108-90-7	ug/l	100	47	78	NR	1 UJ	NR	NR	2 UJ	NR	NR	NR	10 UJ	NR	NR	10 U	NR	10 U	NR	10 U	NR
Chloroethane	75-00-3	ug/l	NV	NV	21000	NR	1 UJ	NR	NR	2 UJ	NR	NR	NR	10 UJ	NR	NR	10 U	NR	10 U	NR	10 UJ	NR
Chloroform	67-66-3	ug/l	80	170	0.22	NR	*1 UJ*	NR	NR	*2 UJ*	NR	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR
Chloromethane	74-87-3	ug/l	NV	NV	190	NR	1 UJ	NR	NR	2 UJ	NR	NR	NR	10 UJ	NR	NR	10 U	NR	10 U	NR	10 UJ	NR
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NR	1 UJ	NR	NR	*2 UJ*	NR	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NR	*1 UJ*	NR	NR	*2 UJ*	NR	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NR	1 UJ	NR	NR	2 UJ	NR	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NR	1 UJ	NR	NR	2 UJ	NR	NR	NR	10 UJ	NR	NR	10 U	NR	10 U	NR	10 U	NR
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NR	2.5 UJ	NR	NR	5 UJ	NR	NR	NR	25 UJ	NR	NR	25 U	NR	25 U	NR	25 U	NR
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NR	**12 J**	NR	NR	**12 J**	NR	NR	NR	**16 J**	NR	NR	**17**	NR	**13**	NR	**12**	NR
Iodomethane	74-88-4	ug/l	NV	NV	NV	NR	2.5 UJ	NR	NR	5 UJ	NR	NR	NR	25 UJ	NR	NR	25 U	NR	25 U	NR	25 U	NR
Isobutanol	78-83-1	ug/l	NV	NV	5900	NR	100 UJ	NR	NR	200 UJ	NR	NR	NR	1000 UJ	NR	NR	1000 U	NR	1000 U	NR	0 R	NR
m&p-Xylene	179601-23-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NR	*2.5 UJ*	NR	NR	*5 UJ*	NR	NR	NR	*25 UJ*	NR	NR	*25 U*	NR	*25 U*	NR	*25 UJ*	NR
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NR	2.5 UJ	NR	NR	5 UJ	NR	NR	NR	25 UJ	NR	NR	25 U	NR	25 U	NR	25 UJ	NR
Methylene Chloride	75-09-2	ug/l	5	1500	11	NR	5 UJ	NR	NR	*10 UJ*	NR	NR	NR	*50 UJ*	NR	NR	*50 U*	NR	*50 U*	NR	*50 U*	NR
o-Xylene	95-47-6	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NR	*10 UJ*	NR	NR	*20 UJ*	NR	NR	NR	*100 UJ*	NR	NR	*100 U*	NR	*100 U*	NR	*100 U*	NR
Propionitrile	107-12-0	ug/l	NV	NV	NV	NR	20 UJ	NR	NR	40 UJ	NR	NR	NR	200 UJ	NR	NR	200 U	NR	200 U	NR	0 R	NR
Styrene	100-42-5	ug/l	100	32	1200	NR	1.4 J	NR	NR	2 UJ	NR	NR	NR	10 UJ	NR	NR	10 U	NR	10 U	NR	10 U	NR
Tetrachloroethene	127-18-4	ug/l	5	60	11	NR	1 UJ	NR	NR	2 UJ	NR	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR
Toluene	108-88-3	ug/l	1000	94	1100	NR	25 J	NR	NR	20 J	NR	NR	NR	20 J	NR	NR	21	NR	21	NR	19	NR
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NR	1 UJ	NR	NR	2 UJ	NR	NR	NR	10 UJ	NR	NR	10 U	NR	10 U	NR	10 U	NR
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NR	1 UJ	NR	NR	*2 UJ*	NR	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NR	*10 UJ*	NR	NR	*20 UJ*	NR	NR	NR	*100 UJ*	NR	NR	*100 U*	NR	*100 U*	NR	*100 U*	NR
Trichloroethene	79-01-6	ug/l	5	260	0.49	NR	*0.5 UJ*	NR	NR	*1 UJ*	NR	NR	NR	*5 UJ*	NR	NR	*5 U*	NR	*5 U*	NR	*5 U*	NR
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NR	1 UJ	NR	NR	2 UJ	NR	NR	NR	10 UJ	NR	NR	10 U	NR	10 U	NR	10 U	NR
Vinyl acetate	108-05-4	ug/l	NV	248	410	NR	2 UJ	NR	NR	4 UJ	NR	NR	NR	20 UJ	NR	NR	20 U	NR	20 U	NR	20 UJ	NR
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NR	*0.5 UJ*	NR	NR	*1 UJ*	NR	NR	NR	*5 UJ*	NR	NR	*5 U*	NR	*5 U*	NR	*5 U*	NR
Xylenes (Total)	1330-20-7	ug/l	10000	35	190	NR	35 J	NR	NR	32 J	NR	NR	NR	**37 J**	NR	NR	**42**	NR	32	NR	29	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	510-74601-1	510-74601-1DL	510-75744-1	510-75744-1DL	510-76604-1	510-76604-1DL	510-76604-1DL2	510-77649-1	510-77649-1DL	510-77649-1DL2	510-78818-1	510-78818-1DL	510-79909-1	510-81001-1	510-82368-1	510-83570-1
					Lab Sample ID	TRG	TRGDL	TRG	TRGDL	TRG	TRGDL	TRGDL2	TRG	TRGDL	TRGDL2	TRG	TRGDL	TRG	TRG	TRG	TRG
					Sample Type	1/17/2012	1/17/2012	2/16/2012	2/16/2012	3/14/2012	3/14/2012	3/14/2012	4/11/2012	4/11/2012	4/11/2012	5/15/2012	5/15/2012	6/13/2012	7/11/2012	8/15/2012	9/17/2012
SVOCs																					
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	*11 U*	NR	*2 U*	NR	*2.1 U*	NR	NR	*2.1 U*	NR	NR	*20 U*	NR	*20 U*	*2 U*	*22 U*	*20 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	11 U	NR	2 U	NR	2.1 U	NR	NR	2.1 U	NR	NR	*20 U*	NR	*20 U*	2 U	*22 U*	*20 U*
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	*26 U*	NR	5 U	NR	5.3 U	NR	NR	5.2 U	NR	NR	*50 U*	NR	*51 U*	5 U	*54 U*	*51 U*
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	11 U	NR	2 U	NR	2.1 U	NR	NR	2.1 U	NR	NR	20 U	NR	20 U	2 U	22 U	20 U
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	*11 U*	NR	*2 U*	NR	*2.1 U*	NR	NR	*2.1 U*	NR	NR	*20 U*	NR	*20 U*	*2 U*	*22 U*	*20 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	*110 U*	NR	*20 U*	NR	*21 U*	NR	NR	*21 U*	NR	NR	*200 U*	NR	*200 U*	*20 U*	*220 U*	*200 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	53 U	NR	10 U	NR	11 U	NR	NR	10 U	NR	NR	100 U	NR	100 U	10 U	110 U	100 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	53 U	NR	10 U	NR	11 U	NR	NR	10 U	NR	NR	100 U	NR	100 U	10 U	110 U	100 U
2,2'-oxybis(2-chloropropane)	39638-32-9	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	26 U	NR	5 U	NR	5.3 U	NR	NR	5.2 U	NR	NR	50 U	NR	51 U	5 U	54 U	51 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	*53 U*	NR	*10 U*	NR	*11 U*	NR	NR	*10 U*	NR	NR	*100 U*	NR	*100 U*	*10 U*	*110 U*	*100 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	*53 U*	NR	10 U	NR	11 U	NR	NR	10 U	NR	NR	*100 U*	NR	*100 U*	10 U	*110 U*	*100 U*
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	**89**	NR	NR	**95**	NR	**110**	NR	10 U	NR	NR	**120**	NR	**130**	**88**	*110 U*	*100 U*
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	*110 U*	NR	*20 U*	NR	*21 U*	NR	NR	*21 U*	NR	NR	*200 UJ*	NR	*200 UJ*	*20 U*	*220 U*	*200 U*
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	*5.3 U*	NR	*1 U*	NR	*1.1 U*	NR	NR	*1 U*	NR	NR	*10 U*	NR	*10 UJ*	*1 U*	*11 U*	*10 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	*2.6 U*	NR	*0.5 U*	NR	*0.53 U*	NR	NR	*0.52 U*	NR	NR	*5 U*	NR	*5.1 U*	*0.5 U*	*5.4 U*	*5.1 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	*11 U*	NR	*2 U*	NR	*2.1 U*	NR	NR	*2.1 U*	NR	NR	*20 U*	NR	*20 U*	*2 U*	*22 U*	*20 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	*26 U*	NR	5 U	NR	5.3 U	NR	NR	5.2 U	NR	NR	*50 U*	NR	*51 U*	5 U	*54 U*	*51 U*
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	**68**	NR	**54**	NR	**54**	NR	NR	0.52 U	NR	NR	**84**	NR	**120**	**130**	**140**	**130**
2-Methylphenol	95-48-7	ug/l	NV	67	930	33	NR	27	NR	34	NR	NR	43	NR	NR	27	NR	32	31	27	27
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	*53 U*	NR	*10 U*	NR	*11 U*	NR	NR	*10 U*	NR	NR	*100 U*	NR	*100 U*	*10 U*	*110 U*	*100 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	26 U	NR	5 U	NR	5.3 U	NR	NR	5.2 U	NR	NR	50 U	NR	51 U	5 U	54 U	51 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	53 U	NR	10 U	NR	11 U	NR	NR	10 U	NR	NR	*100 U*	NR	*100 UJ*	10 U	*110 UJ*	*100 U*
2-Picoline	109-06-8	ug/l	NV	NV	NV	53 U	NR	10 U	NR	14	NR	NR	10 U	NR	NR	100 U	NR	100 U	16	110 U	100 U
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	*53 U*	NR	*10 U*	NR	*11 U*	NR	NR	*10 U*	NR	NR	*100 UJ*	NR	*100 U*	*10 U*	*110 U*	*100 U*
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	54	NR	69	NR	83	NR	NR	110	NR	NR	110	NR	120	97	70	48
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	*110 U*	NR	0 R	NR	0 R	NR	NR	*21 U*	NR	NR	0 R	NR	*200 U*	*20 UJ*	*220 U*	*200 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	53 U	NR	10 U	NR	11 U	NR	NR	10 U	NR	NR	100 U	NR	100 U	10 U	110 U	100 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	*110 U*	NR	*20 U*	NR	*21 U*	NR	NR	*21 U*	NR	NR	*200 U*	NR	*200 U*	*20 U*	*220 U*	*200 U*
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	*53 U*	NR	*10 U*	NR	*11 U*	NR	NR	*10 U*	NR	NR	*100 U*	NR	*100 U*	*10 U*	*110 U*	*100 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	53 U	NR	10 U	NR	11 U	NR	NR	10 U	NR	NR	100 U	NR	100 U	10 U	110 U	100 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	*53 U*	NR	*10 U*	NR	*11 U*	NR	NR	*10 U*	NR	NR	*100 U*	NR	*100 U*	*10 U*	*110 U*	*100 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	26 U	NR	5 U	NR	5.3 U	NR	NR	5.2 U	NR	NR	50 U	NR	51 U	5 U	54 U	51 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	*53 U*	NR	*10 U*	NR	*11 U*	NR	NR	*10 U*	NR	NR	*100 U*	NR	*100 U*	*10 U*	*110 U*	*100 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	*110 U*	NR	20 U	NR	21 U	NR	NR	21 U	NR	NR	*200 U*	NR	*200 UJ*	20 U	*220 U*	*200 U*
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	110 U	NR	20 U	NR	21 U	NR	NR	21 U	NR	NR	200 U	NR	200 UJ	20 U	220 U	200 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	*26 U*	NR	5 U	NR	5.3 U	NR	NR	5.2 U	NR	NR	*50 U*	NR	*51 U*	5 U	*54 U*	*51 U*
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	210 U	NR	40 U	NR	42 U	NR	NR	42 U	NR	NR	400 U	NR	410 U	40 U	430 U	400 U
Acenaphthene	83-32-9	ug/l	NV	27	400	**140**	NR	NR	**140**	NR	**150**	NR	NR	**220**	NR	**160**	NR	**220**	**260**	**320**	**410**
Acenaphthylene	208-96-8	ug/l	NV	4840	400	12	NR	14	NR	11	NR	NR	15	NR	NR	12	NR	20	19	33	34
Acetophenone	98-86-2	ug/l	NV	1550	1900	26 U	NR	5 U	NR	5.3	NR	NR	5.2 U	NR	NR	50 U	NR	51 U	5 U	54 U	51 U
Aniline	62-53-3	ug/l	NV	4.1	13	*110 U*	NR	*20 U*	NR	*21 U*	NR	NR	*21 U*	NR	NR	*200 U*	NR	*200 U*	*20 U*	*220 U*	*200 U*
Anthracene	120-12-7	ug/l	NV	0.68	1800	*5.3 U*	NR	**2.5**	NR	**2.4**	NR	NR	**2.8**	NR	NR	*10 U*	NR	*10 U*	**5.1**	*11 U*	*10 U*
Aramite	140-57-8	ug/l	NV	3.09	1.3	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 UJ*	*5 U*	*54 U*	*51 U*
Aramite Peak 1	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Aramite Peak 2	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	*1.1 U*	NR	*0.2 U*	NR	*0.21 U*	NR	NR	*0.21 U*	NR	NR	*2 U*	NR	*2 U*	*0.2 U*	*2.2 U*	*2 U*
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	*1.1 U*	NR	*0.2 U*	NR	*0.21 U*	NR	NR	*0.21 U*	NR	NR	*2 U*	NR	*2 U*	*0.2 U*	*2.2 U*	*2 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	*1.1 U*	NR	*0.2 U*	NR	*0.21 UJ*	NR	NR	*0.21 U*	NR	NR	*2 U*	NR	*2 U*	*0.2 U*	*2.2 U*	*2 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	5.3 U	NR	1 U	NR	1.1 U	NR	NR	1 U	NR	NR	*10 U*	NR	*10 U*	1 U	*11 U*	*10 U*
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	*1.1 U*	NR	0.2 U	NR	0.21 U	NR	NR	0.21 U	NR	NR	*2 U*	NR	*2 U*	0.2 U	*2.2 U*	*2 U*
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	*110 U*	NR	*20 U*	NR	*21 U*	NR	NR	*21 U*	NR	NR	*200 U*	NR	*200 U*	*20 U*	*220 U*	*200 U*
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	11 U	NR	2 U	NR	2.1 U	NR	NR	2.1 U	NR	NR	20 U	NR	20 U	2 U	22 U	20 U
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	11 U	NR	2 U	NR	2.1 U	NR	NR	2.1 U	NR	NR	20 U	NR	20 U	2 U	22 U	20 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	*11 U*	NR	*2 U*	NR	*2.1 U*	NR	NR	*2.1 U*	NR	NR	*20 U*	NR	*20 U*	*2 U*	*22 U*	*20 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	*53 U*	NR	*10 U*	NR	*11 U*	NR	NR	*10 U*	NR	NR	*100 U*	NR	*100 U*	*10 U*	*110 U*	*100 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	11 U	NR	2 U	NR	2.1 U	NR	NR	2.1 U	NR	NR	*20 U*	NR	*20 U*	2 U	*22 U*	*20 U*
Carbazole	86-74-8	ug/l	NV	NV	NV	72	NR	61	NR	52	NR	NR	56	NR	NR	72	NR	86	91	130	120
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	*2.6 U*	NR	0.5 U	NR	0.53 U	NR	NR	0.52 U	NR	NR	*5 U*	NR	*5.1 U*	0.5 U	*5.4 U*	*5.1 U*
Diallate	2303-16-4	ug/l	NV	NV	0.54	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
Diallate Peak 1	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diallate Peak 2	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	510-74601-1	510-74601-1DL	510-75744-1	510-75744-1DL	510-76604-1	510-76604-1DL	510-76604-1DL2	510-77649-1	510-77649-1DL	510-77649-1DL2	510-78818-1	510-78818-1DL	510-79909-1	510-81001-1	510-82368-1	510-83570-1
					Lab Sample ID	TRG	TRGDL	TRG	TRGDL	TRG	TRGDL	TRGDL2	TRG	TRGDL	TRGDL2	TRG	TRGDL	TRG	TRG	TRG	TRG
					Sample Type	1/17/2012	1/17/2012	2/16/2012	2/16/2012	3/14/2012	3/14/2012	3/14/2012	4/11/2012	4/11/2012	4/11/2012	5/15/2012	5/15/2012	6/13/2012	7/11/2012	8/15/2012	9/17/2012
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	*1.6 U*	NR	*0.3 U*	NR	*0.32 U*	NR	NR	*0.31 U*	NR	NR	*3 U*	NR	*3.1 U*	*0.3 U*	*3.2 U*	*3 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	**56**	NR	**46**	NR	**42**	NR	NR	**58**	NR	NR	**62**	NR	**100**	**110**	**170**	**180**
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	11 U	NR	2 U	NR	2.1 U	NR	NR	2.1 U	NR	NR	20 U	NR	20 U	2 U	22 U	20 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	11 U	NR	2 U	NR	2.1 U	NR	NR	2.1 U	NR	NR	20 U	NR	20 U	2 U	22 U	20 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	*26 U*	NR	5 U	NR	5.3 U	NR	NR	5.2 U	NR	NR	*50 U*	NR	*51 U*	5 U	*54 U*	*51 U*
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	*53 U*	NR	10 U	NR	11 U	NR	NR	10 U	NR	NR	*100 UJ*	NR	*100 UJ*	10 U	*110 UJ*	*100 UJ*
Diphenylamine	122-39-4	ug/l	NV	412	310	26 U	NR	5 U	NR	5.3 U	NR	NR	5.2 U	NR	NR	50 U	NR	51 U	5 U	54 U	51 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	26 U	NR	5 U	NR	5.3 U	NR	NR	5.2 U	NR	NR	50 U	NR	51 U	5 U	54 U	51 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	*5.3 U*	NR	1 U	NR	1.1 U	NR	NR	1 U	NR	NR	*10 U*	NR	1.9	*11 U*	*10 U*	
Fluorene	86-73-7	ug/l	NV	2.4	290	**42**	NR	**41**	NR	**33**	NR	NR	**45**	NR	NR	**44**	NR	**78**	**71**	**130**	**140**
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	*2.6 U*	NR	*0.5 U*	NR	*0.53 U*	NR	NR	*0.52 U*	NR	NR	*5 U*	NR	*5.1 UJ*	*0.5 U*	*5.4 U*	*5.1 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	*110 U*	NR	*20 U*	NR	*21 U*	NR	NR	*21 U*	NR	NR	*200 U*	NR	*200 U*	*20 U*	*220 U*	*200 U*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	*530 U*	NR	*100 U*	NR	*110 U*	NR	NR	*100 U*	NR	NR	*1000 U*	NR	*1000 UJ*	*100 U*	*1100 U*	*1000 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	110 U	NR	20 U	NR	21 U	NR	NR	21 U	NR	NR	200 U	NR	200 U	20 U	220 U	200 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	*1.1 U*	NR	*0.2 U*	NR	*0.21 U*	NR	NR	*0.21 U*	NR	NR	*2 U*	NR	*2 U*	*0.2 U*	*2.2 U*	*2 U*
Isophorone	78-59-1	ug/l	NV	830	78	11 U	NR	2 U	NR	2.1 U	NR	NR	2.1 U	NR	NR	20 U	NR	20 U	2 U	22 U	20 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	26 U	NR	5 U	NR	5.3 U	NR	NR	5.2 U	NR	NR	50 U	NR	51 U	5 U	54 U	51 U
Isosafrole Peak 1	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Isosafrole Peak 2	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	210 U	NR	40 U	NR	42 U	NR	NR	42 U	NR	NR	400 U	NR	410 U	40 U	430 U	400 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NR	**970**	NR	**320**	NR	NR	**1000**	NR	NR	**1300**	NR	**1400**	**1600**	**1800**	**1200**	**1200**
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	*5.3 U*	NR	*1 U*	NR	*1.1 U*	NR	NR	*1 U*	NR	NR	*10 U*	NR	*10 U*	*1 U*	*11 U*	*10 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	*53 U*	NR	*10 U*	NR	*11 U*	NR	NR	*10 U*	NR	NR	*100 U*	NR	*100 UJ*	*10 U*	*110 U*	*100 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	*2.6 U*	NR	*0.5 U*	NR	*0.53 U*	NR	NR	*0.52 U*	NR	NR	*5 U*	NR	*5.1 U*	*0.5 U*	*5.4 UJ*	*5.1 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	5.3 U	NR	1 U	NR	1.1 U	NR	NR	1 U	NR	NR	10 U	NR	10 U	1 U	11 U	10 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	26 U	NR	5 U	NR	5.3 U	NR	NR	5.2 U	NR	NR	50 U	NR	51 U	5 U	54 U	51 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 UJ*	NR	*51 U*	*5 U*	*54 U*	*51 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	26 U	NR	5 U	NR	5.3 U	NR	NR	5.2 U	NR	NR	50 U	NR	51 U	5 U	54 U	51 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
Pentachloroethane	76-01-7	ug/L	NV	56.4	0.65	NR	NR	NR	NR	*11 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	*110 U*	NR	*20 U*	NR	*21 U*	NR	NR	*21 U*	NR	NR	*200 U*	NR	*200 UJ*	*20 U*	*220 U*	*200 U*
Phenacetin	62-44-2	ug/l	NV	NV	34	26 U	NR	5 U	NR	5.3 U	NR	NR	5.2 U	NR	NR	*50 U*	NR	*51 U*	5 U	*54 U*	*51 U*
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	**9.8**	NR	**9.3**	NR	**8.7**	NR	NR	**13**	NR	NR	**13**	NR	**26**	**26**	**41**	**42**
Phenol	108-95-2	ug/l	NV	180	5800	59	NR	NR	94	NR	130	NR	NR	160 J	NR	**220**	NR	**190**	110	82	61
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	210 U	NR	40 U	NR	42 U	NR	NR	42 U	NR	NR	400 U	NR	410 U	40 U	430 U	400 U
Pronamide	23950-59-5	ug/l	NV	NV	NV	53 U	NR	10 U	NR	11 U	NR	NR	10 U	NR	NR	100 U	NR	100 U	10 U	110 U	100 U
Pyrene	129-00-0	ug/l	NV	0.3	120	*5.3 U*	NR	*1 U*	NR	*1.1 U*	NR	NR	*1 U*	NR	NR	*10 U*	NR	*10 U*	**1.2**	*11 U*	*10 U*
Pyridine	110-86-1	ug/l	NV	NV	20	*110 U*	NR	*21 U*	NR	*21 U*	NR	NR	*21 U*	NR	NR	*200 UJ*	NR	*200 UJ*	20 UJ	*220 U*	*200 U*
Quinoline	91-22-5	ug/l	NV	NV	0.024	*53 U*	NR	*10 U*	NR	*11 U*	NR	NR	*10 U*	NR	NR	*100 U*	NR	*100 UJ*	*10 U*	*110 U*	*100 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	*26 U*	NR	*5 U*	NR	*5.3 U*	NR	NR	*5.2 U*	NR	NR	*50 U*	NR	*51 U*	*5 U*	*54 U*	*51 U*
General Chemistry																					
Ammonia as N	7664-41-7	ug/l	NV	150	NV	**12000**	NR	**16000**	NR	**22000**	NR	NR	**22000**	NR	NR	**15000**	NR	**17000**	**14000**	**12000**	**18000**
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	*10 U*	NR	*10 U*	NR	*10 U*	NR	NR	*10 U*	NR	NR	*10 U*	NR	*10 U*	*10 UJ*	*10 U*	*10 U*
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field pH	000010297	S.U.	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Temperature, F	000000086	Degree F	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		umhos/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		uS/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Dissolved Solids		ug/l	NV	NV	NV	1900000	NR	2100000	NR	2300000	NR	NR	2200000	NR	NR	1900000	NR	2100000	2200000	2200000	2200000
Total Suspended Solids		ug/l	NV	NV	NV	4400	NR	2800	NR	4800	NR	NR	3400	NR	NR	4000	NR	2000 U	2000 U	2000 U	2000 U
Inorganics																					
Arsenic	7440-38-2	ug/l	10	150	0.052	*2 UJ*	NR	*2 UJ*	NR	*2 U*	NR	NR	*2 UJ*	NR	NR	*2 UJ*	NR	*2 UJ*	**2.3 J**	*20 UJ*	**2.4 J**
Barium	7440-39-3	ug/l	2000	438	3800	**580 J**	NR	**510 J**	NR	**760**	NR	NR	**680 J**	NR	NR	**680 J**	NR	**630 J**	**610 J**	**480 J**	**450 J**
Cadmium	7440-43-9	ug/l	5	2.2	9.2	1 UJ	NR	1 UJ	NR	1 U	NR	NR	1 UJ	NR	NR	1 UJ	NR	1 UJ	1 UJ	*10 UJ*	1 UJ
Chromium	7440-47-3	ug/l	100	74	NV	1.5 UJ	NR	1.5 UJ	NR	1.5 U	NR	NR	1.5 UJ	NR	NR	1.5 UJ	NR	1.5 UJ	1.5 UJ	15 UJ	1.5 UJ
Lead	7439-92-1	ug/l	15	6.4	15	**9.9 J**	NR	**8.1 J**	NR	**8.6**	NR	NR	**14 J**	NR	NR	1.9 J	NR	0.5 UJ	0.5 UJ	5 UJ	0.5 UJ
Lithium	7439-93-2	ug/l	NV	14	40	**37 J**	NR	**40 J**	NR	**43**	NR	NR	**43 J**	NR	NR	**41 J**	NR	**37 J**	**43 J**	*150 UJ*	**54 J**
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2 UJ	NR	0.2 UJ	NR	0.2 U	NR	NR	0.2 UJ	NR	NR	0.2 UJ	NR	0.2 UJ	0.2 U	0.2 UJ	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	1 UJ	NR	1.2 J	NR	2	NR	NR	2.4 J	NR	NR	1.1 J	NR	1 UJ	1 UJ	*10 UJ*	1 UJ
Silver	7440-22-4	ug/l	NV	0.12	94	*2 UJ*	NR	*2 UJ*	NR	*2 U*	NR	NR	*2 UJ*	NR	NR	*2 UJ*	NR	*2 UJ*	*2 UJ*	*20 UJ*	*2 UJ*
PCBs																					
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	*0.53 U*	NR	*0.52 U*	NR	*0.53 U*	NR	NR	*0.51 U*	NR	NR	*0.51 U*	NR	*0.52 U*	*0.52 U*	*0.52 U*	*0.52 U*
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	*0.53 U*	NR	*0.52 U*	NR	*0.53 U*	NR	NR	*0.51 U*	NR	NR	*0.51 U*	NR	*0.52 U*	*0.52 U*	*0.52 U*	*0.52 U*

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	510-74601-1	510-74601-1DL	510-75744-1	510-75744-1DL	510-76604-1	510-76604-1DL	510-76604-1DL2	510-77649-1	510-77649-1DL	510-77649-1DL2	510-78818-1	510-78818-1DL	510-79909-1	510-81001-1	510-82368-1	510-83570-1
					Lab Sample ID	TRG	TRGDL	TRG	TRGDL	TRG	TRGDL	TRGDL2	TRG	TRGDL	TRGDL2	TRG	TRGDL	TRG	TRG	TRG	TRG
					Sample Type	1/17/2012	1/17/2012	2/16/2012	2/16/2012	3/14/2012	3/14/2012	3/14/2012	4/11/2012	4/11/2012	4/11/2012	5/15/2012	5/15/2012	6/13/2012	7/11/2012	8/15/2012	9/17/2012
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	*0.53 U*	NR	*0.52 U*	NR	*0.53 U*	NR	NR	*0.51 U*	NR	NR	*0.51 U*	NR	*0.52 U*	*0.52 U*	*0.52 U*	*0.52 U*
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	*0.53 U*	NR	*0.52 U*	NR	*0.53 U*	NR	NR	*0.51 U*	NR	NR	*0.51 U*	NR	*0.52 U*	*0.52 U*	*0.52 U*	*0.52 U*
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	*0.53 U*	NR	*0.52 U*	NR	*0.53 U*	NR	NR	*0.51 U*	NR	NR	*0.51 U*	NR	*0.52 U*	*0.52 U*	*0.52 U*	*0.52 U*
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	*0.53 U*	NR	*0.52 U*	NR	*0.53 U*	NR	NR	*0.51 U*	NR	NR	*0.51 U*	NR	*0.52 U*	*0.52 U*	*0.52 U*	*0.52 U*
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	*0.53 U*	NR	*0.52 U*	NR	*0.53 U*	NR	NR	*0.51 U*	NR	NR	*0.51 U*	NR	*0.52 U*	*0.52 U*	*0.52 U*	*0.52 U*
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	*0.53 U*	NR	*0.52 U*	NR	*0.53 U*	NR	NR	*0.51 U*	NR	NR	*0.51 U*	NR	*0.52 U*	*0.52 U*	*0.52 U*	*0.52 U*
VOCs																					
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	*5 U*	NR	*10 U*	NR	*83 U*	NR	NR	*5 UJ*	NR	NR	*5 U*	NR	*2 UJ*	*5 UJ*	*1 UJ*	*5 U*
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	5 U	NR	10 U	NR	83 U	NR	NR	5 UJ	NR	NR	5 U	NR	2 UJ	5 UJ	1 UJ	5 UJ
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	*5 U*	NR	*10 U*	NR	*83 U*	NR	NR	*5 UJ*	NR	NR	*5 U*	NR	*2 UJ*	*5 UJ*	*1 UJ*	*5 U*
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	*5 U*	NR	*10 U*	NR	*83 U*	NR	NR	*5 UJ*	NR	NR	*5 U*	NR	*2 UJ*	*5 UJ*	*1 UJ*	*5 UJ*
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	*5 U*	NR	*10 U*	NR	*83 U*	NR	NR	*5 UJ*	NR	NR	*5 U*	NR	2 UJ	*5 UJ*	1 UJ	*5 U*
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	5 U	NR	*10 U*	NR	*83 U*	NR	NR	5 UJ	NR	NR	5 U	NR	2 UJ	5 UJ	1 UJ	5 U
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	*5 U*	NR	*10 U*	NR	*83 U*	NR	NR	*5 UJ*	NR	NR	*5 U*	NR	*2 UJ*	*5 UJ*	*1 UJ*	*5 U*
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	*10 U*	NR	*20 U*	NR	*170 U*	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*4 UJ*	*10 UJ*	*2 UJ*	*10 U*
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	*5 U*	NR	*10 U*	NR	NR	NR	NR	*5 UJ*	NR	NR	*5 U*	NR	*2 UJ*	*5 UJ*	*1 UJ*	*5 U*
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	*5 U*	NR	*10 U*	NR	*83 U*	NR	NR	*5 UJ*	NR	NR	*5 U*	NR	*2 UJ*	*5 UJ*	*1 UJ*	*5 U*
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	*5 U*	NR	*10 U*	NR	*83 U*	NR	NR	*5 UJ*	NR	NR	*5 U*	NR	*2 UJ*	*5 UJ*	*1 UJ*	*5 U*
2-Butanone	78-93-3	ug/l	NV	14000	5600	25 U	NR	50 U	NR	420 U	NR	NR	25 UJ	NR	NR	25 U	NR	10 UJ	25 UJ	5 UJ	25 U
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	*5 U*	NR	*10 U*	NR	NR	NR	NR	*5 UJ*	NR	NR	*5 U*	NR	*2 UJ*	*5 UJ*	*1 UJ*	*5 U*
2-Hexanone	591-78-6	ug/l	NV	99	38	25 U	NR	*50 U*	NR	*420 U*	NR	NR	25 UJ	NR	NR	25 U	NR	10 UJ	25 UJ	5 UJ	25 U
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	*13 U*	NR	*25 U*	NR	*210 U*	NR	NR	*13 UJ*	NR	NR	*13 U*	NR	*5 UJ*	*13 UJ*	*2.5 UJ*	*13 U*
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	25 U	NR	50 U	NR	*420 U*	NR	NR	25 UJ	NR	NR	25 U	NR	10 UJ	25 UJ	5 UJ	25 U
Acetone	67-64-1	ug/l	NV	1700	14000	45	NR	53	NR	420 U	NR	NR	32 J	NR	NR	28	NR	22 J	38 J	19 J	41
Acetonitrile	75-05-8	ug/l	NV	12000	130	100 U	NR	*200 U*	NR	*1700 U*	NR	NR	100 UJ	NR	NR	100 U	NR	40 UJ	100 UJ	20 UJ	100 U
Acrolein	107-02-8	ug/l	NV	0.19	0.042	*500 U*	NR	*1000 U*	NR	*8300 U*	NR	NR	*500 UJ*	NR	NR	*500 U*	NR	*200 UJ*	*500 UJ*	*100 UJ*	*500 UJ*
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	*100 U*	NR	*200 U*	NR	*1700 U*	NR	NR	*100 UJ*	NR	NR	*100 U*	NR	*40 UJ*	*100 UJ*	*20 UJ*	*100 U*
Benzene	71-43-2	ug/l	5	98	0.46	NR	**1400**	**1700**	NR	**2400**	NR	NR	NR	**2300 J**	NR	NR	**1400**	**1900 J**	**2000 J**	**2700 J**	**3200**
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	*5 U*	NR	*10 U*	NR	*83 U*	NR	NR	*5 UJ*	NR	NR	*5 U*	NR	*2 UJ*	*5 UJ*	*1 UJ*	*5 U*
Bromoform	75-25-2	ug/l	80	61	3.3	*5 U*	NR	*10 U*	NR	*83 U*	NR	NR	*5 UJ*	NR	NR	*5 U*	NR	2 UJ	*5 UJ*	1 UJ	*5 U*
Bromomethane	74-83-9	ug/l	NV	16	7.5	5 U	NR	*10 U*	NR	*83 U*	NR	NR	5 UJ	NR	NR	5 U	NR	2 UJ	5 UJ	1 UJ	5 UJ
Carbon disulfide	75-15-0	ug/l	NV	15	810	*25 U*	NR	*50 U*	NR	*420 U*	NR	NR	*25 UJ*	NR	NR	*25 U*	NR	10 UJ	*25 UJ*	5 UJ	*25 U*
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	*5 U*	NR	*10 U*	NR	*83 U*	NR	NR	*5 UJ*	NR	NR	*5 U*	NR	*2 UJ*	*5 UJ*	*1 UJ*	*5 U*
Chlorobenzene	108-90-7	ug/l	100	47	78	5 U	NR	10 U	NR	*83 U*	NR	NR	5 UJ	NR	NR	5 U	NR	2 UJ	5 UJ	1 UJ	5 U
Chloroethane	75-00-3	ug/l	NV	NV	21000	5 U	NR	10 U	NR	83 U	NR	NR	5 UJ	NR	NR	5 U	NR	2 UJ	5 UJ	1 UJ	5 U
Chloroform	67-66-3	ug/l	80	170	0.22	*5 U*	NR	*10 U*	NR	*83 U*	NR	NR	*5 UJ*	NR	NR	*5 U*	NR	*2 UJ*	*5 UJ*	*1 UJ*	*5 U*
Chloromethane	74-87-3	ug/l	NV	NV	190	5 U	NR	10 U	NR	83 U	NR	NR	5 UJ	NR	NR	5 U	NR	2 UJ	5 UJ	1 UJ	5 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	*5 U*	NR	*10 U*	NR	*83 U*	NR	NR	*5 UJ*	NR	NR	*5 U*	NR	*2 UJ*	*5 UJ*	1 UJ	*5 U*
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	*5 U*	NR	*10 U*	NR	*83 U*	NR	NR	*5 UJ*	NR	NR	*5 U*	NR	*2 UJ*	*5 UJ*	*1 UJ*	*5 U*
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	5 U	NR	*10 U*	NR	*83 U*	NR	NR	5 UJ	NR	NR	5 U	NR	2 UJ	5 UJ	1 UJ	5 U
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	5 U	NR	10 U	NR	83 U	NR	NR	5 UJ	NR	NR	5 U	NR	2 UJ	5 UJ	1 UJ	5 U
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	13 U	NR	25 U	NR	210 U	NR	NR	13 UJ	NR	NR	13 U	NR	5 UJ	13 UJ	2.5 UJ	13 U
Ethylbenzene	100-41-4	ug/l	700	110	1.5	**12**	NR	**11**	NR	*42 U*	NR	NR	**17 J**	NR	NR	**16**	NR	**20 J**	**18 J**	**23 J**	**23**
Iodomethane	74-88-4	ug/l	NV	NV	NV	13 U	NR	25 U	NR	210 U	NR	NR	13 UJ	NR	NR	13 U	NR	5 UJ	13 UJ	2.5 UJ	13 U
Isobutanol	78-83-1	ug/l	NV	NV	5900	500 U	NR	1000 U	NR	*8300 U*	NR	NR	500 UJ	NR	NR	500 U	NR	200 UJ	500 UJ	100 UJ	500 U
m&p-Xylene	179601-23-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	*13 U*	NR	*25 U*	NR	*210 U*	NR	NR	*13 UJ*	NR	NR	*13 U*	NR	*5 UJ*	*13 UJ*	*2.5 UJ*	*13 U*
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	13 U	NR	25 U	NR	210 U	NR	NR	13 UJ	NR	NR	13 U	NR	5 UJ	13 UJ	2.5 UJ	13 U
Methylene Chloride	75-09-2	ug/l	5	1500	11	*25 U*	NR	*50 U*	NR	*420 U*	NR	NR	*25 UJ*	NR	NR	*25 U*	NR	*10 UJ*	*25 UJ*	5 UJ	*25 U*
o-Xylene	95-47-6	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	*50 U*	NR	*100 U*	NR	NR	NR	NR	*50 UJ*	NR	NR	*50 U*	NR	*20 UJ*	*50 UJ*	*10 UJ*	*50 U*
Propionitrile	107-12-0	ug/l	NV	NV	NV	100 U	NR	200 U	NR	1700 U	NR	NR	100 UJ	NR	NR	100 U	NR	40 UJ	100 UJ	20 UJ	100 U
Styrene	100-42-5	ug/l	100	32	1200	5 U	NR	10 U	NR	*83 U*	NR	NR	5 UJ	NR	NR	5 U	NR	2 UJ	5 UJ	2.4 J	5 U
Tetrachloroethene	127-18-4	ug/l	5	60	11	5 U	NR	*10 U*	NR	*83 U*	NR	NR	5 UJ	NR	NR	5 U	NR	2 UJ	5 UJ	2 UJ	5 U
Toluene	108-88-3	ug/l	1000	94	1100	22	NR	28	NR	42 U	NR	NR	39 J	NR	NR	40	NR	41 J	39 J	38 J	34
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	5 U	NR	10 U	NR	83 U	NR	NR	5 UJ	NR	NR	5 U	NR	2 UJ	5 UJ	1 UJ	5 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	*5 U*	NR	*10 U*	NR	*83 U*	NR	NR	*5 UJ*	NR	NR	*5 U*	NR	*2 UJ*	*5 UJ*	1 UJ	*5 U*
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	*50 U*	NR	*100 U*	NR	NR	NR	NR	*50 UJ*	NR	NR	*50 U*	NR	*20 UJ*	*50 UJ*	*10 UJ*	*50 U*
Trichloroethene	79-01-6	ug/l	5	260	0.49	*2.5 U*	NR	*5 U*	NR	*42 U*	NR	NR	*2.5 UJ*	NR	NR	*2.5 U*	NR	*1 UJ*	*2.5 UJ*	*0.5 UJ*	*2.5 U*
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	5 U	NR	10 U	NR	83 U	NR	NR	5 UJ	NR	NR	5 U	NR	2 UJ	5 UJ	1 UJ	5 U
Vinyl acetate	108-05-4	ug/l	NV	248	410	10 U	NR	20 U	NR	170 U	NR	NR	10 UJ	NR	NR	10 U	NR	4 UJ	10 UJ	2 UJ	10 UJ
Vinyl chloride	75-01-4	ug/l	2	930	0.015	*2.5 U*	NR	*5 U*	NR	*42 U*	NR	NR	*2.5 UJ*	NR	NR	*2.5 U*	NR	*1 UJ*	*2.5 UJ*	*0.5 UJ*	*2.5 U*
Xylenes (Total)	1330-20-7	ug/l	10000	35	190	30	NR	31	NR	*83 U*	NR	NR	**42 J**	NR	NR	**48**	NR	**51 J**	**48 J**	**56 J**	**53**

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	510-84660-1	510-84660-1DL	510-84660-1DL2	510-85739-1	510-85739-1DL	510-86570-1	510-86570-1DL	510-88318-1	510-88318-1DL	510-89165-1	510-89165-1DL	510-89165-1DL2	510-90088-1	510-90088-1DL	510-90862-1	510-90862-1DL
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	10/15/2012	10/15/2012	10/15/2012	11/13/2012	11/13/2012	12/6/2012	12/6/2012	1/28/2013	1/28/2013	2/20/2013	2/20/2013	2/20/2013	3/19/2013	3/19/2013	4/9/2013	4/9/2013
SVOCs																					
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	*5.1 U*	NR	NR	*260 U*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 U*	NR	*5.3 U*	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	*2 U*	NR	NR	*100 U*	NR	*21 U*	NR	*2.1 U*	NR	*2 U*	NR	NR	*2.1 U*	NR	*2.1 U*	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	2 U	NR	NR	*100 U*	NR	*21 U*	NR	2.1 U	NR	2 U	NR	NR	2.1 U	NR	2.1 U	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	5.1 U	NR	NR	*260 U*	NR	*52 U*	NR	5.2 U	NR	5.1 U	NR	NR	5.2 U	NR	5.3 U	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	2 U	NR	NR	*100 U*	NR	21 U	NR	2.1 U	NR	2 U	NR	NR	2.1 U	NR	2.1 U	NR
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	*5.1 U*	NR	NR	*260 U*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 U*	NR	*5.3 U*	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	*2 U*	NR	NR	*100 UJ*	NR	*21 U*	NR	*2.1 U*	NR	*2 U*	NR	NR	*2.1 U*	NR	**2.1**	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	*20 U*	NR	NR	*1000 U*	NR	*210 U*	NR	*21 UJ*	NR	*20 UJ*	NR	NR	*21 UJ*	NR	*21 U*	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	10 U	NR	NR	520 U	NR	100 U	NR	10 U	NR	10 U	NR	NR	10 U	NR	11 U	NR
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	10 U	NR	NR	520 U	NR	100 U	NR	10 U	NR	10 U	NR	NR	10 U	NR	11 U	NR
2,2'-oxybis(2-chloropropane)	39638-32-9	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	5.1 U	NR	NR	*260 U*	NR	52 U	NR	5.2 U	NR	5.1 U	NR	NR	5.2 U	NR	5.3 U	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	*10 U*	NR	NR	*520 U*	NR	*100 U*	NR	*10 U*	NR	*10 U*	NR	NR	*10 U*	NR	*11 U*	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	*5.1 U*	NR	NR	*260 UJ*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 U*	NR	*5.3 U*	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	10 U	NR	NR	*520 UJ*	NR	*100 U*	NR	10 U	NR	10 U	NR	NR	10 U	NR	11 U	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	**66**	NR	NR	*520 U*	NR	*100 U*	NR	**25**	NR	**37**	NR	NR	10 U	NR	11 U	NR
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	*20 U*	NR	NR	*1000 U*	NR	*210 U*	NR	*21 U*	NR	*20 U*	NR	NR	*21 UJ*	NR	*21 UJ*	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	*1 U*	NR	NR	*52 U*	NR	*10 U*	NR	*1 U*	NR	*1 U*	NR	NR	*1 U*	NR	*1.1 U*	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	*5.1 U*	NR	NR	*260 U*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 U*	NR	*5.3 U*	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	*0.51 U*	NR	NR	*26 U*	NR	*5.2 U*	NR	*0.52 U*	NR	*0.51 U*	NR	NR	*0.52 UJ*	NR	*0.53 U*	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	*5.1 U*	NR	NR	*260 U*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 U*	NR	*5.3 U*	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	*2 U*	NR	NR	*100 U*	NR	*21 U*	NR	*2.1 U*	NR	*2 U*	NR	NR	*2.1 U*	NR	*2.1 U*	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	5.1 U	NR	NR	*260 U*	NR	*52 U*	NR	5.2 U	NR	5.1 U	NR	NR	5.2 U	NR	5.3 U	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NR	**180**	NR	**86**	NR	**92**	NR	**60**	NR	0.51 U	NR	NR	**39 J**	NR	**60**	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	24	NR	NR	*100 U*	NR	22	NR	9.6	NR	2 U	NR	NR	2.1 U	NR	2.1 U	NR
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	*10 U*	NR	NR	*520 U*	NR	*100 U*	NR	*10 U*	NR	*10 U*	NR	NR	*10 U*	NR	*11 U*	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	5.1 U	NR	NR	0 R	NR	52 U	NR	5.2 U	NR	5.1 U	NR	NR	5.2 UJ	NR	5.3 U	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	10 U	NR	NR	*520 U*	NR	*100 UJ*	NR	10 U	NR	10 U	NR	NR	10 U	NR	11 U	NR
2-Picoline	109-06-8	ug/l	NV	NV	NV	10 U	NR	NR	520 U	NR	100 U	NR	10 U	NR	10 U	NR	NR	10 U	NR	11 U	NR
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	*10 U*	NR	NR	*520 U*	NR	*100 U*	NR	*10 U*	NR	*10 U*	NR	NR	*10 U*	NR	*11 U*	NR
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	44	NR	NR	100 U	NR	21 U	NR	11	NR	14	NR	NR	7	NR	7.9	NR
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	*5.1 UJ*	NR	NR	*260 U*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 UJ*	NR	*5.3 U*	NR
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	*20 UJ*	NR	NR	0 R	NR	*210 UJ*	NR	*21 U*	NR	*20 U*	NR	NR	*21 U*	NR	*21 U*	NR
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	*5.1 U*	NR	NR	*260 U*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 U*	NR	*5.3 U*	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	10 U	NR	NR	520 U	NR	100 U	NR	10 U	NR	10 U	NR	NR	10 UJ	NR	11 U	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	*20 U*	NR	NR	*1000 U*	NR	*210 U*	NR	*21 U*	NR	*20 U*	NR	NR	*21 UJ*	NR	*21 U*	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	*10 U*	NR	NR	*520 U*	NR	*100 U*	NR	*10 U*	NR	*10 U*	NR	NR	*10 U*	NR	*11 U*	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	*5.1 U*	NR	NR	*260 U*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 U*	NR	*5.3 U*	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	10 U	NR	NR	520 U	NR	100 U	NR	10 U	NR	10 U	NR	NR	10 U	NR	11 U	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	*10 U*	NR	NR	*520 U*	NR	*100 U*	NR	*10 U*	NR	*10 U*	NR	NR	*10 UJ*	NR	*11 U*	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	5.1 U	NR	NR	260 U	NR	52 U	NR	5.2 U	NR	5.1 U	NR	NR	5.2 U	NR	5.3 U	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	*10 UJ*	NR	NR	*520 U*	NR	*100 U*	NR	*10 U*	NR	*10 U*	NR	NR	*10 UJ*	NR	*11 UJ*	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	20 U	NR	NR	*1000 U*	NR	*210 U*	NR	21 U	NR	20 U	NR	NR	21 U	NR	21 UJ	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	20 U	NR	NR	1000 U	NR	210 UJ	NR	21 UJ	NR	20 UJ	NR	NR	21 UJ	NR	21 UJ	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	5.1 U	NR	NR	*260 U*	NR	*52 U*	NR	5.2 U	NR	5.1 U	NR	NR	5.2 U	NR	5.3 U	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	*5.1 U*	NR	NR	*260 U*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 UJ*	NR	*5.3 U*	NR
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	40 U	NR	NR	2100 U	NR	410 U	NR	42 UJ	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	NR	NR	**430**	**360**	NR	**250**	NR	NR	**160**	NR	**210 J**	NR	NR	**180**	NR	**180**
Acenaphthylene	208-96-8	ug/l	NV	4840	400	33	NR	NR	52 U	NR	22	NR	13	NR	19 J	NR	NR	7.7	NR	12	NR
Acetophenone	98-86-2	ug/l	NV	1550	1900	5.1 U	NR	NR	260 U	NR	52 U	NR	7	NR	11 J	NR	NR	5.3	NR	5.9	NR
Aniline	62-53-3	ug/l	NV	4.1	13	*20 UJ*	NR	NR	*1000 U*	NR	*210 U*	NR	*21 U*	NR	*20 U*	NR	NR	*21 U*	NR	*21 U*	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	**7.2 J**	NR	NR	*52 U*	NR	*10 U*	NR	**4.7**	NR	**5.3 J**	NR	NR	**4.7**	NR	**4.2**	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	*5.1 U*	NR	NR	*260 U*	NR	*52 U*	NR	*5.2 UJ*	NR	*5.1 UJ*	NR	NR	*5.2 UJ*	NR	*5.3 U*	NR
Aramite Peak 1	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Aramite Peak 2	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	*0.2 UJ*	NR	NR	*10 U*	NR	*2.1 U*	NR	*0.21 U*	NR	*0.2 U*	NR	NR	*0.21 U*	NR	*0.21 UJ*	NR
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	*0.2 UJ*	NR	NR	*10 UJ*	NR	*2.1 U*	NR	*0.21 U*	NR	*0.2 U*	NR	NR	*0.21 U*	NR	*0.21 U*	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	*0.2 U*	NR	NR	*10 U*	NR	*2.1 U*	NR	*0.21 U*	NR	*0.2 U*	NR	NR	*0.21 UJ*	NR	*0.21 U*	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	1 U	NR	NR	*52 U*	NR	*10 U*	NR	1 U	NR	1 U	NR	NR	1 UJ	NR	1.1 U	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	0.2 UJ	NR	NR	*10 U*	NR	*2.1 U*	NR	0.21 U	NR	0.2 UJ	NR	NR	0.21 U	NR	0.21 UJ	NR
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	*20 U*	NR	NR	*1000 U*	NR	*210 U*	NR	*21 U*	NR	*20 U*	NR	NR	*21 U*	NR	*21 U*	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	2 U	NR	NR	100 U	NR	21 U	NR	2.1 U	NR	2 U	NR	NR	2.1 UJ	NR	2.1 U	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	2 U	NR	NR	*100 U*	NR	21 U	NR	2.1 U	NR	2 U	NR	NR	2.1 U	NR	2.1 U	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	*2 U*	NR	NR	*100 U*	NR	*21 U*	NR	*2.1 U*	NR	*2 U*	NR	NR	*2.1 U*	NR	*2.1 U*	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	*10 UJ*	NR	NR	*520 U*	NR	*100 U*	NR	*10 U*	NR	*10 U*	NR	NR	*10 U*	NR	*11 U*	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	2 UJ	NR	NR	*100 U*	NR	*21 U*	NR	2.1 U	NR	2 U	NR	NR	2.1 UJ	NR	2.1 U	NR
Carbazole	86-74-8	ug/l	NV	NV	NV	71 J	NR	NR	260 U	NR	100	NR	53	NR	64 J	NR	NR	61	NR	47	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	*5.1 U*	NR	NR	*260 U*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 UJ*	NR	*5.3 U*	NR
Chrysene	218-01-9	ug/l	NV	2.042	2.9	0.51 UJ	NR	NR	*26 U*	NR	*5.2 U*	NR	0.52 U	NR	0.51 U	NR	NR	0.52 U	NR	0.53 UJ	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	*5.1 U*	NR	NR	*260 U*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 U*	NR	*5.3 U*	NR
Diallate Peak 1	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diallate Peak 2	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	510-84660-1	510-84660-1DL	510-84660-1DL2	510-85739-1	510-85739-1DL	510-86570-1	510-86570-1DL	510-88318-1	510-88318-1DL	510-89165-1	510-89165-1DL	510-89165-1DL2	510-90088-1	510-90088-1DL	510-90862-1	510-90862-1DL
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	10/15/2012	10/15/2012	10/15/2012	11/13/2012	11/13/2012	12/6/2012	12/6/2012	1/28/2013	1/28/2013	2/20/2013	2/20/2013	2/20/2013	3/19/2013	3/19/2013	4/9/2013	4/9/2013
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	*0.3 U*	NR	NR	*15 U*	NR	*3.1 U*	NR	*0.31 U*	NR	*0.31 U*	NR	NR	*0.31 UJ*	NR	*0.32 U*	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NR	**190**	NR	**140**	NR	**110**	NR	**55**	NR	NR	**100 J**	NR	**50**	NR	**57**	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	2 U	NR	NR	100 U	NR	21 U	NR	2.1 U	NR	2 U	NR	NR	2.1 U	NR	2.1 U	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	2 U	NR	NR	100 U	NR	21 U	NR	2.1 U	NR	2 U	NR	NR	2.1 UJ	NR	2.1 U	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	5.1 U	NR	NR	*260 U*	NR	*52 U*	NR	5.2 U	NR	5.1 U	NR	NR	5.2 U	NR	5.3 U	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	10 UJ	NR	NR	*520 U*	NR	*100 UJ*	NR	10 U	NR	10 U	NR	NR	10 UJ	NR	11 UJ	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	5.1 U	NR	NR	260 U	NR	52 U	NR	5.2 U	NR	5.1 U	NR	NR	5.2 U	NR	5.3 U	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	5.1 U	NR	NR	260 U	NR	52 U	NR	5.2 U	NR	5.1 U	NR	NR	5.2 U	NR	5.3 U	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	2.7	NR	NR	*52 U*	NR	*10 U*	NR	3.3	NR	3.6 J	NR	NR	3.4	NR	3.6	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	NR	**150**	NR	**110**	NR	**81**	NR	**49**	NR	**72 J**	NR	NR	1 U	NR	**41**	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	*0.51 U*	NR	NR	*26 U*	NR	*5.2 U*	NR	*0.52 U*	NR	*0.51 U*	NR	NR	*0.52 U*	NR	*0.53 U*	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	*5.1 UJ*	NR	NR	*260 UJ*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 U*	NR	*5.3 U*	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	*20 U*	NR	NR	*1000 U*	NR	*210 U*	NR	*21 U*	NR	*20 U*	NR	NR	*21 U*	NR	*21 U*	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	*5.1 U*	NR	NR	*260 U*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 U*	NR	*5.3 U*	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	*100 U*	NR	NR	*5200 U*	NR	*1000 UJ*	NR	*100 UJ*	NR	*100 UJ*	NR	NR	*100 UJ*	NR	*110 UJ*	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	20 U	NR	NR	1000 U	NR	210 U	NR	21 U	NR	20 U	NR	NR	21 U	NR	21 U	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	*0.2 U*	NR	NR	*10 U*	NR	*2.1 U*	NR	*0.21 U*	NR	*0.2 U*	NR	NR	*0.21 UJ*	NR	*0.21 U*	NR
Isophorone	78-59-1	ug/l	NV	830	78	2 U	NR	NR	*100 U*	NR	21 U	NR	2.1 U	NR	2 U	NR	NR	2.1 U	NR	2.1 U	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	5.1 U	NR	NR	260 U	NR	52 U	NR	5.2 U	NR	5.1 U	NR	NR	5.2 U	NR	5.3 U	NR
Isosafrole Peak 1	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Isosafrole Peak 2	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	40 U	NR	NR	2100 U	NR	410 U	NR	42 U	NR	41 U	NR	NR	42 UJ	NR	43 U	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	*5.1 U*	NR	NR	*260 U*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 U*	NR	*5.3 UJ*	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	NR	*5.1 U*	NR	**1800**	NR	NR	**1200**	NR	**530**	NR	NR	**1300 J**	NR	**760 J**	NR	**470**
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	*1 U*	NR	NR	*52 U*	NR	*10 U*	NR	*1 U*	NR	*1 U*	NR	NR	*1 U*	NR	*1.1 U*	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	*5.1 U*	NR	NR	*260 U*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 U*	NR	*5.3 U*	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	*10 U*	NR	NR	*520 UJ*	NR	*100 U*	NR	*10 U*	NR	*10 U*	NR	NR	*10 U*	NR	*11 UJ*	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	*5.1 U*	NR	NR	*260 U*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 UJ*	NR	*5.3 U*	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	*0.51 U*	NR	NR	*26 U*	NR	*5.2 U*	NR	*0.52 U*	NR	*0.51 UJ*	NR	NR	*0.52 U*	NR	*0.53 U*	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	1 U	NR	NR	*52 U*	NR	10 U	NR	1 U	NR	1 U	NR	NR	1 U	NR	1.1 U	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	*5.1 U*	NR	NR	*260 U*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 UJ*	NR	*5.3 U*	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	*5.1 U*	NR	NR	*260 UJ*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 UJ*	NR	NR	*5.2 UJ*	NR	*5.3 U*	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	5.1 U	NR	NR	260 U	NR	52 U	NR	5.2 U	NR	5.1 U	NR	NR	5.2 U	NR	5.3 U	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	*5.1 U*	NR	NR	*260 U*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 U*	NR	*5.3 U*	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	5.1 U	NR	NR	260 U	NR	52 U	NR	5.2 U	NR	5.1 U	NR	NR	5.2 U	NR	5.3 U	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	*5.1 U*	NR	NR	*260 U*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 UJ*	NR	*5.3 U*	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	*5.1 U*	NR	NR	*260 U*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 U*	NR	*5.3 U*	NR
Pentachloroethane	76-01-7	ug/L	NV	56.4	0.65	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	*5.1 U*	NR	NR	*260 U*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 U*	NR	*5.3 U*	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	*20 UJ*	NR	NR	*1000 UJ*	NR	*210 UJ*	NR	*21 U*	NR	*20 U*	NR	NR	*21 U*	NR	*21 U*	NR
Phenacetin	62-44-2	ug/l	NV	NV	34	5.1 U	NR	NR	*260 U*	NR	*52 U*	NR	5.2 U	NR	5.1 U	NR	NR	5.2 U	NR	5.3 U	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	**37 J**	NR	NR	*52 U*	NR	**24**	NR	**24**	NR	**27 J**	NR	NR	**39 J**	NR	**20**	NR
Phenol	108-95-2	ug/l	NV	180	5800	57	NR	NR	*260 UJ*	NR	52 U	NR	11	NR	17	NR	NR	8.2 J	NR	11	NR
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	40 U	NR	NR	2100 U	NR	410 U	NR	42 U	NR	NR	NR	NR	NR	NR	NR	NR
Pronamide	23950-59-5	ug/l	NV	NV	NV	10 U	NR	NR	520 U	NR	100 U	NR	10 U	NR	10 U	NR	NR	10 U	NR	11 U	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	**1.5 J**	NR	NR	*52 U*	NR	*10 U*	NR	**1.8**	NR	**1.8 J**	NR	NR	**2.3 J**	NR	**1.8**	NR
Pyridine	110-86-1	ug/l	NV	NV	20	20 UJ	NR	NR	*1000 UJ*	NR	*210 U*	NR	*21 U*	NR	20 U	NR	NR	*21 UJ*	NR	*21 UJ*	NR
Quinoline	91-22-5	ug/l	NV	NV	0.024	*10 U*	NR	NR	*520 U*	NR	*100 U*	NR	*10 U*	NR	*10 U*	NR	NR	*10 U*	NR	*11 U*	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	*5.1 U*	NR	NR	*260 U*	NR	*52 U*	NR	*5.2 U*	NR	*5.1 U*	NR	NR	*5.2 U*	NR	*5.3 U*	NR
General Chemistry																					
Ammonia as N	7664-41-7	ug/l	NV	150	NV	**16000**	NR	NR	**23000**	NR	**8200**	NR	NR	**7400**	**10000**	NR	NR	NR	**6000**	**6300**	NR
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	**30**	NR	NR	**14**	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR	NR	*10 U*	NR	*10 U*	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field pH	000010297	S.U.	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Temperature, F	000000086	Degree F	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		umhos/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		uS/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Dissolved Solids		ug/l	NV	NV	NV	2200000	NR	NR	2000000	NR	1600000	NR	1100000	NR	1200000	NR	NR	820000	NR	1000000	NR
Total Suspended Solids		ug/l	NV	NV	NV	2000 U	NR	NR	2000 U	NR	2000 U	NR	2000 U	NR	2000 U	NR	NR	2000 U	NR	2000 U	NR
Inorganics																					
Arsenic	7440-38-2	ug/l	10	150	0.052	**3.1 J**	NR	NR	**2.3**	NR	**2.2 J**	NR	*2 U*	NR	**2.4**	NR	NR	*4 U*	NR	**3.1**	NR
Barium	7440-39-3	ug/l	2000	438	3800	**440 J**	NR	NR	280	NR	250 J	NR	93	NR	100	NR	NR	57	NR	68	NR
Cadmium	7440-43-9	ug/l	5	2.2	9.2	1 UJ	NR	NR	1 U	NR	1 UJ	NR	1 U	NR	1 U	NR	NR	1 U	NR	1 U	NR
Chromium	7440-47-3	ug/l	100	74	NV	1.5 UJ	NR	NR	1.5 U	NR	1.5 UJ	NR	1.5 U	NR	1.5 U	NR	NR	1.5 U	NR	1.5 U	NR
Lead	7439-92-1	ug/l	15	6.4	15	0.5 UJ	NR	NR	0.5 U	NR	0.96 J	NR	0.5 U	NR	0.5 U	NR	NR	0.5 U	NR	0.5 U	NR
Lithium	7439-93-2	ug/l	NV	14	40	**56 J**	NR	NR	**46**	NR	**42 J**	NR	**23**	NR	**26**	NR	NR	*30 U*	NR	**19**	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2 UJ	NR	NR	0.2 U	NR	0.2 UJ	NR	0.2 U	NR	0.2 U	NR	NR	0.2 U	NR	0.2 U	NR
Selenium	7782-49-2	ug/l	50	4.6	100	1 UJ	NR	NR	1 U	NR	1 UJ	NR	1.5	NR	1 U	NR	NR	1 U	NR	1.1	NR
Silver	7440-22-4	ug/l	NV	0.12	94	*2 UJ*	NR	NR	*2 U*	NR	*2 UJ*	NR	*2 U*	NR	*2 U*	NR	NR	*2 U*	NR	*2 U*	NR
PCBs																					
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	*0.52 U*	NR	NR	*0.52 U*	NR	*0.53 U*	NR	*0.52 U*	NR	*0.52 U*	NR	NR	*0.51 U*	NR	*0.52 U*	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	*0.52 U*	NR	NR	*0.52 U*	NR	*0.53 U*	NR	*0.52 U*	NR	*0.52 U*	NR	NR	*0.51 U*	NR	*0.52 U*	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	510-84660-1	510-84660-1DL	510-84660-1DL2	510-85739-1	510-85739-1DL	510-86570-1	510-86570-1DL	510-88318-1	510-88318-1DL	510-89165-1	510-89165-1DL	510-89165-1DL2	510-90088-1	510-90088-1DL	510-90862-1	510-90862-1DL
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	10/15/2012	10/15/2012	10/15/2012	11/13/2012	11/13/2012	12/6/2012	12/6/2012	1/28/2013	1/28/2013	2/20/2013	2/20/2013	2/20/2013	3/19/2013	3/19/2013	4/9/2013	4/9/2013
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	*0.52 U*	NR	NR	*0.52 U*	NR	*0.53 U*	NR	*0.52 U*	NR	*0.52 U*	NR	NR	*0.51 U*	NR	*0.52 U*	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	*0.52 U*	NR	NR	*0.52 U*	NR	*0.53 U*	NR	*0.52 U*	NR	*0.52 U*	NR	NR	*0.51 U*	NR	*0.52 U*	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	*0.52 U*	NR	NR	*0.52 U*	NR	*0.53 U*	NR	*0.52 U*	NR	*0.52 U*	NR	NR	*0.51 U*	NR	*0.52 U*	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	*0.52 U*	NR	NR	*0.52 U*	NR	*0.53 U*	NR	*0.52 U*	NR	*0.52 U*	NR	NR	*0.51 U*	NR	*0.52 U*	NR
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	*0.52 U*	NR	NR	*0.52 U*	NR	*0.53 U*	NR	*0.52 U*	NR	*0.52 U*	NR	NR	*0.51 U*	NR	*0.52 U*	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	*0.52 U*	NR	NR	*0.52 U*	NR	*0.53 U*	NR	*0.52 U*	NR	*0.52 U*	NR	NR	*0.51 U*	NR	*0.52 U*	NR
VOCs																					
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	*10 U*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*1 UJ*	NR
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	10 U	NR	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	1 UJ	NR
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	*10 U*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*1 UJ*	NR
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	*10 U*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*1 UJ*	NR
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	*10 U*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	2 UJ	NR	2 UJ	NR	NR	*5 UJ*	NR	1 UJ	NR
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	*10 U*	NR	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	1 UJ	NR
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	*10 U*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*1 UJ*	NR
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	*20 U*	NR	NR	*10 UJ*	NR	*10 UJ*	NR	*4 UJ*	NR	*4 UJ*	NR	NR	*10 UJ*	NR	*2 UJ*	NR
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	*10 U*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*1 UJ*	NR
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	*10 U*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*1 UJ*	NR
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	*10 U*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*1 UJ*	NR
2-Butanone	78-93-3	ug/l	NV	14000	5600	50 U	NR	NR	25 UJ	NR	25 UJ	NR	10 UJ	NR	10 UJ	NR	NR	25 UJ	NR	5 UJ	NR
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	*10 U*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*1 UJ*	NR
2-Hexanone	591-78-6	ug/l	NV	99	38	*50 U*	NR	NR	25 UJ	NR	25 UJ	NR	10 UJ	NR	10 UJ	NR	NR	25 UJ	NR	5 UJ	NR
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	*25 U*	NR	NR	*13 UJ*	NR	*13 UJ*	NR	*5 UJ*	NR	*5 UJ*	NR	NR	*13 UJ*	NR	*2.5 UJ*	NR
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	50 U	NR	NR	25 UJ	NR	25 UJ	NR	10 UJ	NR	10 UJ	NR	NR	25 UJ	NR	5 UJ	NR
Acetone	67-64-1	ug/l	NV	1700	14000	50 U	NR	NR	25 UJ	NR	67 J	NR	20 J	NR	32 J	NR	NR	25 UJ	NR	15 J	NR
Acetonitrile	75-05-8	ug/l	NV	12000	130	*200 U*	NR	NR	100 UJ	NR	100 UJ	NR	40 UJ	NR	40 UJ	NR	NR	100 UJ	NR	20 UJ	NR
Acrolein	107-02-8	ug/l	NV	0.19	0.042	*1000 U*	NR	NR	*500 UJ*	NR	*500 UJ*	NR	*200 UJ*	NR	*200 UJ*	NR	NR	*500 UJ*	NR	*100 UJ*	NR
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	*200 U*	NR	NR	*100 UJ*	NR	*100 UJ*	NR	*40 UJ*	NR	*40 UJ*	NR	NR	*100 UJ*	NR	*20 UJ*	NR
Benzene	71-43-2	ug/l	5	98	0.46	NR	**3400**	NR	NR	**3400 J**	NR	**1900**	NR	**1200 J**	NR	**1300 J**	NR	**870 J**	NR	NR	**530 J**
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	*10 U*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*1 UJ*	NR
Bromoform	75-25-2	ug/l	80	61	3.3	*10 U*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	2 UJ	NR	2 UJ	NR	NR	*5 UJ*	NR	1 UJ	NR
Bromomethane	74-83-9	ug/l	NV	16	7.5	*10 U*	NR	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	1 UJ	NR
Carbon disulfide	75-15-0	ug/l	NV	15	810	*50 U*	NR	NR	*25 UJ*	NR	*25 UJ*	NR	10 UJ	NR	10 UJ	NR	NR	*25 UJ*	NR	5 UJ	NR
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	*10 U*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*1 UJ*	NR
Chlorobenzene	108-90-7	ug/l	100	47	78	10 U	NR	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	1 UJ	NR
Chloroethane	75-00-3	ug/l	NV	NV	21000	10 U	NR	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	1 UJ	NR
Chloroform	67-66-3	ug/l	80	170	0.22	*10 U*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*1 UJ*	NR
Chloromethane	74-87-3	ug/l	NV	NV	190	10 U	NR	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	1 UJ	NR
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	*10 U*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	1 UJ	NR
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	*10 U*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*1 UJ*	NR
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	*10 U*	NR	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	1 UJ	NR
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	10 U	NR	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	1 UJ	NR
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	25 U	NR	NR	13 UJ	NR	13 UJ	NR	5 UJ	NR	5 UJ	NR	NR	13 UJ	NR	2.5 UJ	NR
Ethylbenzene	100-41-4	ug/l	700	110	1.5	**26**	NR	NR	**19 J**	NR	**14 J**	NR	**11 J**	NR	**16 J**	NR	NR	**17 J**	NR	**11 J**	NR
Iodomethane	74-88-4	ug/l	NV	NV	NV	25 U	NR	NR	13 UJ	NR	13 UJ	NR	5 UJ	NR	5 UJ	NR	NR	13 UJ	NR	2.5 UJ	NR
Isobutanol	78-83-1	ug/l	NV	NV	5900	1000 U	NR	NR	500 UJ	NR	500 UJ	NR	200 UJ	NR	200 UJ	NR	NR	500 UJ	NR	100 UJ	NR
m&p-Xylene	179601-23-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	*25 U*	NR	NR	*13 UJ*	NR	*13 UJ*	NR	*5 UJ*	NR	*5 UJ*	NR	NR	*13 UJ*	NR	*2.5 UJ*	NR
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	25 U	NR	NR	13 UJ	NR	13 UJ	NR	5 UJ	NR	5 UJ	NR	NR	13 UJ	NR	2.5 UJ	NR
Methylene Chloride	75-09-2	ug/l	5	1500	11	*50 U*	NR	NR	*25 UJ*	NR	*25 UJ*	NR	*10 UJ*	NR	*10 UJ*	NR	NR	*25 UJ*	NR	5 UJ	NR
o-Xylene	95-47-6	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	*100 U*	NR	NR	*50 UJ*	NR	*50 UJ*	NR	*20 UJ*	NR	*20 UJ*	NR	NR	*50 UJ*	NR	*10 UJ*	NR
Propionitrile	107-12-0	ug/l	NV	NV	NV	200 U	NR	NR	100 UJ	NR	100 UJ	NR	40 UJ	NR	40 UJ	NR	NR	100 UJ	NR	20 UJ	NR
Styrene	100-42-5	ug/l	100	32	1200	10 U	NR	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	1 UJ	NR
Tetrachloroethene	127-18-4	ug/l	5	60	11	*10 U*	NR	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	3.1 J	NR	NR	5 UJ	NR	1 UJ	NR
Toluene	108-88-3	ug/l	1000	94	1100	40	NR	NR	35 J	NR	22 J	NR	11 J	NR	13 J	NR	NR	13 J	NR	8.1 J	NR
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	10 U	NR	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	1 UJ	NR
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	*10 U*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	1 UJ	NR
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	*100 U*	NR	NR	*50 UJ*	NR	*50 UJ*	NR	*20 UJ*	NR	*20 UJ*	NR	NR	*50 UJ*	NR	*10 UJ*	NR
Trichloroethene	79-01-6	ug/l	5	260	0.49	*5 U*	NR	NR	*2.5 UJ*	NR	*2.5 UJ*	NR	*1 UJ*	NR	*1 UJ*	NR	NR	*2.5 UJ*	NR	*0.5 UJ*	NR
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	10 U	NR	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	1 UJ	NR
Vinyl acetate	108-05-4	ug/l	NV	248	410	20 U	NR	NR	10 UJ	NR	10 UJ	NR	4 UJ	NR	4 UJ	NR	NR	10 UJ	NR	2 UJ	NR
Vinyl chloride	75-01-4	ug/l	2	930	0.015	*5 U*	NR	NR	*2.5 UJ*	NR	*2.5 UJ*	NR	*1 UJ*	NR	*1 UJ*	NR	NR	*2.5 UJ*	NR	*0.5 UJ*	NR
Xylenes (Total)	1330-20-7	ug/l	10000	35	190	**62**	NR	NR	**45 J**	NR	35 J	NR	22 J	NR	31 J	NR	NR	31 J	NR	21 J	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	510-91906-1	510-91906-1DL	510-91906-1RADL	510-93494-1	510-93494-1DL	510-94032-1	510-94032-1DL	500-61158-1	500-61158-1DL	500-62888-1	500-62888-1DL	500-64237-1	500-64237-1DL	500-64237-1DL2	500-66749-1	500-66749-1DL
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	5/8/2013	5/8/2013	5/8/2013	6/19/2013	6/19/2013	7/9/2013	7/9/2013	8/14/2013	8/14/2013	9/12/2013	9/12/2013	10/3/2013	10/3/2013	10/3/2013	11/13/2013	11/13/2013
SVOCs																					
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	5.4 U	NR	NR	51 U	NR	52 U	NR	55 U	NR	3.9 U	NR	4 U	NR	NR	3.9 U	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	2.2 U	NR	NR	20 UJ	NR	21 U	NR	22 U	NR	1.5 U	NR	1.6 U	NR	NR	1.5 U	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	2.2 U	NR	NR	20 U	NR	21 U	NR	22 U	NR	1.5 U	NR	1.6 U	NR	NR	1.5 U	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	5.4 U	NR	NR	51 U	NR	52 U	NR	55 UJ	NR	7.7 U	NR	8 UJ	NR	NR	7.7 U	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	2.2 U	NR	NR	20 U	NR	21 U	NR	22 U	NR	1.5 U	NR	1.6 U	NR	NR	1.5 U	NR
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	5.4 U	NR	NR	51 U	NR	52 U	NR	55 U	NR	3.9 U	NR	4 U	NR	NR	3.9 U	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	2.2 U	NR	NR	20 U	NR	21 U	NR	22 U	NR	1.5 U	NR	1.6 U	NR	NR	1.5 U	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	22 UJ	NR	NR	200 U	NR	210 U	NR	220 U	NR	15 U	NR	16 U	NR	NR	15 U	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	11 U	NR	NR	100 U	NR	100 U	NR	110 UJ	NR	31 UJ	NR	32 UJ	NR	NR	31 U	NR
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	11 U	NR	NR	100 U	NR	100 U	NR	110 U	NR	15 U	NR	16 U	NR	NR	15 U	NR
2,2'-oxybis(2-chloropropane)	39638-32-9	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	5.4 U	NR	NR	51 U	NR	52 UJ	NR	55 U	NR	3.9 U	NR	4 U	NR	NR	3.9 U	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	11 U	NR	NR	100 U	NR	100 U	NR	110 U	NR	7.7 U	NR	8 U	NR	NR	7.7 U	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	5.4 U	NR	NR	51 U	NR	52 U	NR	55 U	NR	3.9 U	NR	4 U	NR	NR	3.9 U	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	11 U	NR	NR	100 U	NR	100 U	NR	110 U	NR	7.7 U	NR	8 U	NR	NR	7.7 U	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	**23**	NR	NR	100 U	NR	100 U	NR	110 U	NR	**33**	NR	NR	**59**	NR	**50**	NR
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	22 UJ	NR	NR	200 U	NR	210 UJ	NR	220 U	NR	15 U	NR	16 U	NR	NR	15 U	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	1.1 UJ	NR	NR	10 U	NR	10 U	NR	11 U	NR	0.77 U	NR	0.8 U	NR	NR	0.77 U	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	5.4 U	NR	NR	51 U	NR	52 U	NR	55 U	NR	7.7 UJ	NR	8 U	NR	NR	7.7 U	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	0.54 UJ	NR	NR	5.1 U	NR	5.2 U	NR	5.5 U	NR	0.39 U	NR	0.4 U	NR	NR	0.39 U	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	5.4 U	NR	NR	51 U	NR	52 U	NR	55 U	NR	7.7 U	NR	8 UJ	NR	NR	7.7 U	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	2.2 U	NR	NR	20 U	NR	21 U	NR	22 U	NR	1.5 U	NR	1.6 U	NR	NR	1.5 U	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	5.4 U	NR	NR	51 U	NR	52 U	NR	55 U	NR	3.9 U	NR	4 U	NR	NR	3.9 U	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NR	**110**	NR	**110**	NR	**49**	NR	**78**	NR	**42**	NR	NR	**65**	NR	**45**	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	9.1	NR	NR	20 U	NR	21 U	NR	22 U	NR	17	NR	26	NR	NR	19	NR
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	11 U	NR	NR	100 U	NR	100 U	NR	110 U	NR	15 U	NR	16 U	NR	NR	15 U	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	5.4 UJ	NR	NR	51 U	NR	52 U	NR	55 U	NR	3.9 U	NR	4 U	NR	NR	3.9 U	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	11 UJ	NR	NR	100 U	NR	100 U	NR	110 U	NR	7.7 U	NR	8 U	NR	NR	7.7 U	NR
2-Picoline	109-06-8	ug/l	NV	NV	NV	11 U	NR	NR	100 U	NR	100 U	NR	110 U	NR	31 U	NR	32 U	NR	NR	31 U	NR
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	11 U	NR	NR	100 U	NR	100 U	NR	110 U	NR	7.7 U	NR	8 U	NR	NR	7.7 U	NR
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	7.9	NR	NR	20 U	NR	21 U	NR	22 U	NR	22	NR	41	NR	NR	34	NR
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	5.4 U	NR	NR	51 U	NR	52 U	NR	55 U	NR	3.9 U	NR	4 U	NR	NR	3.9 U	NR
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	22 U	NR	NR	200 U	NR	210 U	NR	220 U	NR	31 U	NR	32 U	NR	NR	31 U	NR
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	5.4 U	NR	NR	51 U	NR	52 U	NR	55 U	NR	7.7 U	NR	8 U	NR	NR	7.7 U	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	11 U	NR	NR	100 UJ	NR	100 U	NR	110 U	NR	7.7 U	NR	8 UJ	NR	NR	7.7 U	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	22 U	NR	NR	200 U	NR	210 U	NR	220 U	NR	15 U	NR	16 U	NR	NR	15 U	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	11 U	NR	NR	100 U	NR	100 U	NR	110 U	NR	7.7 U	NR	8 U	NR	NR	7.7 U	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	5.4 U	NR	NR	51 U	NR	52 U	NR	55 U	NR	3.9 U	NR	4 U	NR	NR	3.9 U	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	11 U	NR	NR	100 U	NR	100 U	NR	110 U	NR	7.7 U	NR	8 U	NR	NR	7.7 U	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	11 UJ	NR	NR	100 UJ	NR	100 U	NR	110 U	NR	7.7 U	NR	8 UJ	NR	NR	7.7 U	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	5.4 U	NR	NR	51 U	NR	52 U	NR	55 U	NR	3.9 U	NR	4 U	NR	NR	3.9 U	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	11 UJ	NR	NR	100 U	NR	100 U	NR	110 U	NR	7.7 U	NR	8 U	NR	NR	7.7 UJ	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	22 U	NR	NR	200 UJ	NR	210 U	NR	220 U	NR	15 U	NR	16 U	NR	NR	15 U	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	22 U	NR	NR	200 U	NR	210 U	NR	220 UJ	NR	31 U	NR	32 UJ	NR	NR	31 U	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	5.4 U	NR	NR	51 U	NR	52 U	NR	55 UJ	NR	7.7 U	NR	8 U	NR	NR	7.7 U	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	5.4 U	NR	NR	51 U	NR	52 U	NR	55 U	NR	31 U	NR	32 U	NR	NR	31 U	NR
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	NR	**350**	NR	**280**	NR	**190**	NR	**300**	NR	NR	**210**	NR	NR	**320**	NR	**160**
Acenaphthylene	208-96-8	ug/l	NV	4840	400	24 J	NR	NR	26	NR	18	NR	28	NR	17	NR	30	NR	NR	18	NR
Acetophenone	98-86-2	ug/l	NV	1550	1900	5.4 U	NR	NR	51 U	NR	52 U	NR	55 U	NR	3.9 U	NR	6.5	NR	NR	3.9 U	NR
Aniline	62-53-3	ug/l	NV	4.1	13	22 U	NR	NR	200 U	NR	210 U	NR	220 U	NR	15 U	NR	16 U	NR	NR	15 U	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	**5.2 J**	NR	NR	10 U	NR	10 U	NR	11 U	NR	**4.6**	NR	**3**	NR	NR	**3**	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	55 U	NR	7.7 U	NR	8 U	NR	NR	7.7 U	NR
Aramite Peak 1	140-57-8	ug/l	NV	3.09	1.3	5.4 UJ	NR	NR	51 U	NR	52 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Aramite Peak 2	140-57-8	ug/l	NV	3.09	1.3	5.4 UJ	NR	NR	51 U	NR	52 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	0.22 U	NR	NR	2 U	NR	2.1 U	NR	2.2 U	NR	0.15 U	NR	0.16 U	NR	NR	0.15 U	NR
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	0.22 U	NR	NR	2 U	NR	2.1 U	NR	2.2 U	NR	0.15 U	NR	0.16 U	NR	NR	0.15 U	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	0.22 U	NR	NR	2 U	NR	2.1 U	NR	2.2 U	NR	0.15 U	NR	0.16 U	NR	NR	0.15 U	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	1.1 U	NR	NR	10 U	NR	10 U	NR	11 U	NR	0.77 U	NR	0.8 U	NR	NR	0.77 U	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	0.22 U	NR	NR	2 U	NR	2.1 U	NR	2.2 U	NR	0.15 U	NR	0.16 U	NR	NR	0.15 U	NR
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	22 U	NR	NR	200 U	NR	210 U	NR	220 U	NR	15 UJ	NR	16 U	NR	NR	15 U	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	2.2 U	NR	NR	20 U	NR	21 U	NR	22 U	NR	1.5 U	NR	1.6 U	NR	NR	1.5 U	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	2.2 U	NR	NR	20 U	NR	21 U	NR	22 U	NR	1.5 U	NR	1.6 U	NR	NR	1.5 U	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	2.2 U	NR	NR	20 U	NR	21 U	NR	22 U	NR	1.5 U	NR	1.6 U	NR	NR	1.5 U	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	11 U	NR	NR	100 U	NR	100 UJ	NR	110 U	NR	7.7 U	NR	8 U	NR	NR	7.7 UJ	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	2.2 U	NR	NR	20 U	NR	21 UJ	NR	22 U	NR	1.5 U	NR	1.6 U	NR	NR	1.5 U	NR
Carbazole	86-74-8	ug/l	NV	NV	NV	NR	120	NR	130 J	NR	81	NR	96	NR	NR	89	NR	130	NR	NR	92
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	5.4 U	NR	NR	51 U	NR	52 U	NR	55 U	NR	7.7 U	NR	8 U	NR	NR	7.7 U	NR
Chrysene	218-01-9	ug/l	NV	2.042	2.9	0.54 U	NR	NR	5.1 U	NR	5.2 U	NR	5.5 U	NR	0.39 U	NR	0.4 U	NR	NR	0.39 U	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	55 U	NR	7.7 U	NR	8 U	NR	NR	7.7 U	NR
Diallate Peak 1	2303-16-4	ug/l	NV	NV	0.54	5.4 U	NR	NR	51 U	NR	52 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diallate Peak 2	2303-16-4	ug/l	NV	NV	0.54	5.4 U	NR	NR	51 U	NR	52 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	510-91906-1	510-91906-1DL	510-91906-1RADL	510-93494-1	510-93494-1DL	510-94032-1	510-94032-1DL	500-61158-1	500-61158-1DL	500-62888-1	500-62888-1DL	500-64237-1	500-64237-1DL	500-64237-1DL2	500-66749-1	500-66749-1DL
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	5/8/2013	5/8/2013	5/8/2013	6/19/2013	6/19/2013	7/9/2013	7/9/2013	8/14/2013	8/14/2013	9/12/2013	9/12/2013	10/3/2013	10/3/2013	10/3/2013	11/13/2013	11/13/2013
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	*0.32 U*	NR	NR	*3.1 U*	NR	*3.1 U*	NR	*3.3 U*	NR	*0.23 U*	NR	*0.24 U*	NR	NR	*0.23 U*	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NR	**160**	NR	**120**	NR	**82**	NR	**120**	NR	NR	**87**	NR	**110**	NR	NR	**87**
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	2.2 U	NR	NR	20 U	NR	21 U	NR	22 U	NR	1.5 U	NR	1.6 U	NR	NR	1.5 U	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	2.2 U	NR	NR	20 U	NR	21 U	NR	22 U	NR	1.5 U	NR	1.6 U	NR	NR	1.5 U	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	5.4 U	NR	NR	*51 U*	NR	*52 U*	NR	*55 U*	NR	3.9 U	NR	4 U	NR	NR	3.9 U	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	11 U	NR	NR	*100 UJ*	NR	*100 UJ*	NR	*110 U*	NR	7.7 U	NR	8 U	NR	NR	7.7 U	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	5.4 U	NR	NR	51 U	NR	52 U	NR	55 U	NR	7.7 U	NR	8 U	NR	NR	7.7 U	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	5.4 U	NR	NR	51 U	NR	52 U	NR	55 U	NR	15 U	NR	16 UJ	NR	NR	15 U	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	2.9 J	NR	NR	*10 U*	NR	*10 U*	NR	*11 U*	NR	2.2	NR	1.6	NR	NR	0.85	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	NR	**130**	NR	**93**	NR	**59**	NR	**92**	NR	**50**	NR	NR	**95**	NR	**42**	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	*0.54 U*	NR	NR	*5.1 U*	NR	*5.2 U*	NR	*5.5 U*	NR	*0.39 U*	NR	*0.4 U*	NR	NR	*0.39 U*	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	*5.4 U*	NR	NR	*51 UJ*	NR	*52 UJ*	NR	*55 U*	NR	*3.9 U*	NR	*4 U*	NR	NR	*3.9 U*	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	*22 UJ*	NR	NR	*200 UJ*	NR	*210 UJ*	NR	*220 U*	NR	*15 U*	NR	*16 U*	NR	NR	*15 U*	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	*5.4 U*	NR	NR	*51 U*	NR	*52 U*	NR	*55 U*	NR	*3.9 U*	NR	*4 U*	NR	NR	*3.9 U*	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	*110 U*	NR	NR	*1000 U*	NR	*1000 U*	NR	*1100 UJ*	NR	NR	NR	NR	NR	NR	NR	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	22 U	NR	NR	200 U	NR	210 U	NR	220 U	NR	15 UJ	NR	16 UJ	NR	NR	15 U	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	*0.22 U*	NR	NR	*2 U*	NR	**2.4**	NR	*2.2 U*	NR	*0.15 U*	NR	*0.16 U*	NR	NR	*0.15 U*	NR
Isophorone	78-59-1	ug/l	NV	830	78	2.2 U	NR	NR	20 U	NR	21 UJ	NR	22 U	NR	1.5 U	NR	1.6 U	NR	NR	1.5 U	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	55 U	NR	7.7 U	NR	8 U	NR	NR	7.7 U	NR
Isosafrole Peak 1	120-58-1	ug/l	NV	NV	NV	5.4 U	NR	NR	51 U	NR	52 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Isosafrole Peak 2	120-58-1	ug/l	NV	NV	NV	5.4 U	NR	NR	51 U	NR	52 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	43 U	NR	NR	410 U	NR	420 U	NR	440 U	NR	31 U	NR	32 U	NR	NR	31 U	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	*5.4 U*	NR	NR	*51 U*	NR	*52 U*	NR	*55 UJ*	NR	*31 U*	NR	*32 UJ*	NR	NR	*31 U*	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	NR	**1200**	NR	NR	**1600**	**350**	NR	**680**	NR	NR	**430**	NR	NR	**760**	NR	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	*1.1 U*	NR	NR	*10 U*	NR	*10 UJ*	NR	*11 U*	NR	*0.77 U*	NR	*0.8 U*	NR	NR	*0.77 U*	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	*5.4 U*	NR	NR	*51 U*	NR	*52 U*	NR	*55 U*	NR	*15 U*	NR	*16 U*	NR	NR	*15 U*	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	*11 UJ*	NR	NR	*100 UJ*	NR	*100 U*	NR	*110 U*	NR	*7.7 U*	NR	*8 U*	NR	NR	*7.7 U*	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	*5.4 U*	NR	NR	*51 U*	NR	*52 U*	NR	*55 U*	NR	*7.7 U*	NR	*8 U*	NR	NR	*7.7 U*	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	*0.54 U*	NR	NR	*5.1 U*	NR	*5.2 UJ*	NR	*5.5 U*	NR	*0.39 U*	NR	*0.4 U*	NR	NR	*0.39 UJ*	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	1.1 U	NR	NR	10 U	NR	10 U	NR	11 U	NR	0.77 U	NR	0.8 U	NR	NR	0.77 U	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	*5.4 U*	NR	NR	*51 U*	NR	*52 U*	NR	*55 UJ*	NR	*15 UJ*	NR	*16 UJ*	NR	NR	*15 U*	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	*5.4 U*	NR	NR	*51 U*	NR	*52 U*	NR	*55 U*	NR	*15 U*	NR	*16 U*	NR	NR	*15 U*	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	5.4 U	NR	NR	51 U	NR	52 U	NR	55 U	NR	7.7 U	NR	8 U	NR	NR	7.7 U	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	*5.4 U*	NR	NR	*51 U*	NR	*52 U*	NR	*55 U*	NR	*7.7 U*	NR	*8 U*	NR	NR	*7.7 U*	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	5.4 U	NR	NR	51 U	NR	52 U	NR	55 U	NR	31 U	NR	32 U	NR	NR	31 U	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	*5.4 U*	NR	NR	*51 U*	NR	*52 U*	NR	*55 U*	NR	*7.7 U*	NR	*8 U*	NR	NR	*7.7 U*	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	*5.4 U*	NR	NR	*51 U*	NR	*52 U*	NR	*55 U*	NR	*7.7 U*	NR	*8 U*	NR	NR	*7.7 U*	NR
Pentachloroethane	76-01-7	ug/L	NV	56.4	0.65	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	*5.4 U*	NR	NR	*51 U*	NR	*52 U*	NR	*55 U*	NR	*7.7 U*	NR	*8 U*	NR	NR	*7.7 U*	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	*22 UJ*	NR	NR	*200 U*	NR	*210 UJ*	NR	*220 U*	NR	*15 UJ*	NR	*16 U*	NR	NR	*15 U*	NR
Phenacetin	62-44-2	ug/l	NV	NV	34	5.4 UJ	NR	NR	*51 U*	NR	*52 U*	NR	*55 UJ*	NR	7.7 U	NR	8 U	NR	NR	7.7 U	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	**27 J**	NR	NR	**41**	NR	**16**	NR	**23**	NR	**20**	NR	**20**	NR	NR	**11**	NR
Phenol	108-95-2	ug/l	NV	180	5800	12	NR	NR	51 U	NR	52 U	NR	55 U	NR	37	NR	NR	66	NR	49	NR
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pronamide	23950-59-5	ug/l	NV	NV	NV	11 U	NR	NR	100 U	NR	100 U	NR	110 U	NR	7.7 U	NR	8 U	NR	NR	7.7 U	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	**1.2 J**	NR	NR	*10 U*	NR	*10 U*	NR	*11 U*	NR	**1.3**	NR	**0.99**	NR	NR	*0.77 U*	NR
Pyridine	110-86-1	ug/l	NV	NV	20	*22 UJ*	NR	NR	*200 UJ*	NR	*210 U*	NR	*220 UJ*	NR	15 U	NR	16 U	NR	NR	15 U	NR
Quinoline	91-22-5	ug/l	NV	NV	0.024	*11 U*	NR	NR	*100 U*	NR	*100 U*	NR	*110 U*	NR	*31 U*	NR	*32 U*	NR	NR	*31 U*	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	*5.4 U*	NR	NR	*51 U*	NR	*52 U*	NR	*55 U*	NR	*7.7 U*	NR	*8 U*	NR	NR	*7.7 U*	NR
General Chemistry																					
Ammonia as N	7664-41-7	ug/l	NV	150	NV	NR	NR	**15000**	**19000**	NR	**16000**	NR	**13000**	NR	**13000**	NR	**7900**	NR	NR	**10000**	NR
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	*10 U*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR	*10 UJ*	NR	NR	**51 J**	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**52 J**	NR
Field pH	000010297	S.U.	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Temperature, F	000000086	Degree F	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		umhos/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		uS/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Dissolved Solids		ug/l	NV	NV	NV	1400000 J	NR	NR	1400000	NR	1900000	NR	1900000	NR	2300000	NR	2400000	NR	NR	2300000	NR
Total Suspended Solids		ug/l	NV	NV	NV	12000	NR	NR	2000 U	NR	2000 U	NR	2000 U	NR	2000 U	NR	2000 U	NR	NR	2000 U	NR
Inorganics																					
Arsenic	7440-38-2	ug/l	10	150	0.052	**2**	NR	NR	**2.4**	NR	**2.1**	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR	NR	*10 U*	NR
Barium	7440-39-3	ug/l	2000	438	3800	200	NR	NR	120	NR	250	NR	300	NR	290	NR	380	NR	NR	380	NR
Cadmium	7440-43-9	ug/l	5	2.2	9.2	1 U	NR	NR	1 U	NR	1 U	NR	2 U	NR	2 U	NR	2 U	NR	NR	2 U	NR
Chromium	7440-47-3	ug/l	100	74	NV	1.5 U	NR	NR	1.5 U	NR	1.5 U	NR	10 U	NR	10 U	NR	10 U	NR	NR	10 U	NR
Lead	7439-92-1	ug/l	15	6.4	15	0.5 U	NR	NR	0.5 U	NR	1.2	NR	5 U	NR	5 U	NR	5 U	NR	NR	5 U	NR
Lithium	7439-93-2	ug/l	NV	14	40	**28**	NR	NR	**27**	NR	**37**	NR	**54**	NR	**53**	NR	**66**	NR	NR	**65**	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	0.2 U	NR	NR	0.2 U	NR	0.2 U	NR	0.2 U	NR	0.2 U	NR	0.2 U	NR	NR	0.2 U	NR
Selenium	7782-49-2	ug/l	50	4.6	100	1 U	NR	NR	1.4	NR	1.3	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR	NR	*10 U*	NR
Silver	7440-22-4	ug/l	NV	0.12	94	*2 U*	NR	NR	*2 U*	NR	*2 U*	NR	*5 U*	NR	*5 U*	NR	*5 U*	NR	NR	*5 U*	NR
PCBs																					
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	*0.52 U*	NR	NR	*0.51 U*	NR	*0.51 U*	NR	*0.53 U*	NR	*0.4 U*	NR	*0.39 UJ*	NR	NR	*0.39 U*	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	*0.52 U*	NR	NR	*0.51 U*	NR	*0.51 U*	NR	*0.53 U*	NR	*0.4 U*	NR	*0.39 U*	NR	NR	*0.39 U*	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	510-91906-1	510-91906-1DL	510-91906-1RADL	510-93494-1	510-93494-1DL	510-94032-1	510-94032-1DL	500-61158-1	500-61158-1DL	500-62888-1	500-62888-1DL	500-64237-1	500-64237-1DL	500-64237-1DL2	500-66749-1	500-66749-1DL
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	5/8/2013	5/8/2013	5/8/2013	6/19/2013	6/19/2013	7/9/2013	7/9/2013	8/14/2013	8/14/2013	9/12/2013	9/12/2013	10/3/2013	10/3/2013	10/3/2013	11/13/2013	11/13/2013
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	0.52 U	NR	NR	0.51 U	NR	0.51 U	NR	0.53 U	NR	0.4 U	NR	0.39 U	NR	NR	0.39 U	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	0.52 U	NR	NR	0.51 U	NR	0.51 U	NR	0.53 U	NR	0.4 U	NR	0.39 U	NR	NR	0.39 U	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	0.52 U	NR	NR	0.51 U	NR	0.51 U	NR	0.53 U	NR	0.4 U	NR	0.39 U	NR	NR	0.39 U	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	0.52 U	NR	NR	0.51 U	NR	0.51 U	NR	0.53 U	NR	0.4 U	NR	0.39 U	NR	NR	0.39 U	NR
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	0.52 U	NR	NR	0.51 U	NR	0.51 U	NR	0.53 U	NR	0.4 U	NR	0.39 UJ	NR	NR	0.39 U	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	0.52 U	NR	NR	0.51 U	NR	0.51 U	NR	0.53 U	NR	0.4 U	NR	0.39 U	NR	NR	0.39 U	NR
VOCs																					
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	10 UJ	NR	NR	4 UJ	NR	10 UJ	NR	10 UJ	NR	10 UJ	NR	10 UJ	NR	NR	4 UJ	NR
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
2-Butanone	78-93-3	ug/l	NV	14000	5600	25 UJ	NR	NR	10 UJ	NR	25 UJ	NR	25 UJ	NR	25 UJ	NR	25 UJ	NR	NR	10 UJ	NR
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
2-Hexanone	591-78-6	ug/l	NV	99	38	25 UJ	NR	NR	10 UJ	NR	25 UJ	NR	25 UJ	NR	25 UJ	NR	25 UJ	NR	NR	10 UJ	NR
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	13 UJ	NR	NR	5 UJ	NR	13 UJ	NR	13 UJ	NR	13 UJ	NR	13 UJ	NR	NR	5 UJ	NR
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	25 UJ	NR	NR	10 UJ	NR	25 UJ	NR	25 UJ	NR	25 UJ	NR	25 UJ	NR	NR	10 UJ	NR
Acetone	67-64-1	ug/l	NV	1700	14000	35 J	NR	NR	10 UJ	NR	25 UJ	NR	25 UJ	NR	39 J	NR	65 J	NR	NR	76 J	NR
Acetonitrile	75-05-8	ug/l	NV	12000	130	100 UJ	NR	NR	40 UJ	NR	100 UJ	NR	100 UJ	NR	100 UJ	NR	100 UJ	NR	NR	40 UJ	NR
Acrolein	107-02-8	ug/l	NV	0.19	0.042	500 UJ	NR	NR	200 UJ	NR	500 UJ	NR	500 UJ	NR	500 UJ	NR	500 UJ	NR	NR	200 UJ	NR
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	100 UJ	NR	NR	40 UJ	NR	100 UJ	NR	100 UJ	NR	100 UJ	NR	100 UJ	NR	NR	40 UJ	NR
Benzene	71-43-2	ug/l	5	98	0.46	NR	**2300 J**	NR	NR	**650 J**	NR	**1400 J**	NR	**2100 J**	NR	**1500 J**	NR	**2900 J**	NR	NR	**840**
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
Bromoform	75-25-2	ug/l	80	61	3.3	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
Bromomethane	74-83-9	ug/l	NV	16	7.5	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
Carbon disulfide	75-15-0	ug/l	NV	15	810	25 UJ	NR	NR	10 UJ	NR	25 UJ	NR	25 UJ	NR	25 UJ	NR	25 UJ	NR	NR	10 UJ	NR
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
Chlorobenzene	108-90-7	ug/l	100	47	78	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
Chloroethane	75-00-3	ug/l	NV	NV	21000	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
Chloroform	67-66-3	ug/l	80	170	0.22	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
Chloromethane	74-87-3	ug/l	NV	NV	190	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	13 UJ	NR	NR	5 UJ	NR	13 UJ	NR	13 UJ	NR	13 UJ	NR	13 UJ	NR	NR	5 UJ	NR
Ethylbenzene	100-41-4	ug/l	700	110	1.5	**18 J**	NR	NR	**12 J**	NR	**8.1 J**	NR	**11 J**	NR	**8.5 J**	NR	**11 J**	NR	NR	**4.6 J**	NR
Iodomethane	74-88-4	ug/l	NV	NV	NV	13 UJ	NR	NR	5 UJ	NR	13 UJ	NR	13 UJ	NR	13 UJ	NR	13 UJ	NR	NR	5 UJ	NR
Isobutanol	78-83-1	ug/l	NV	NV	5900	500 UJ	NR	NR	200 UJ	NR	500 UJ	NR	500 UJ	NR	500 UJ	NR	500 UJ	NR	NR	200 UJ	NR
m&p-Xylene	179601-23-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	13 UJ	NR	NR	5 UJ	NR	13 UJ	NR	13 UJ	NR	13 UJ	NR	13 UJ	NR	NR	5 UJ	NR
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	13 UJ	NR	NR	5 UJ	NR	13 UJ	NR	13 UJ	NR	13 UJ	NR	13 UJ	NR	NR	5 UJ	NR
Methylene Chloride	75-09-2	ug/l	5	1500	11	25 UJ	NR	NR	10 UJ	NR	25 UJ	NR	25 UJ	NR	25 UJ	NR	25 UJ	NR	NR	10 UJ	NR
o-Xylene	95-47-6	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	50 UJ	NR	NR	20 UJ	NR	50 UJ	NR	50 UJ	NR	50 UJ	NR	50 UJ	NR	NR	20 UJ	NR
Propionitrile	107-12-0	ug/l	NV	NV	NV	100 UJ	NR	NR	40 UJ	NR	100 UJ	NR	100 UJ	NR	100 UJ	NR	100 UJ	NR	NR	40 UJ	NR
Styrene	100-42-5	ug/l	100	32	1200	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
Tetrachloroethene	127-18-4	ug/l	5	60	11	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
Toluene	108-88-3	ug/l	1000	94	1100	15 J	NR	NR	9.2 J	NR	8.1 J	NR	10 J	NR	8 J	NR	12 J	NR	NR	6.2 J	NR
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	50 UJ	NR	NR	20 UJ	NR	50 UJ	NR	50 UJ	NR	50 UJ	NR	50 UJ	NR	NR	20 UJ	NR
Trichloroethene	79-01-6	ug/l	5	260	0.49	2.5 UJ	NR	NR	1 UJ	NR	2.5 UJ	NR	2.5 UJ	NR	2.5 UJ	NR	2.5 UJ	NR	NR	1 UJ	NR
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	5 UJ	NR	NR	2 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	2 UJ	NR
Vinyl acetate	108-05-4	ug/l	NV	248	410	10 UJ	NR	NR	4 UJ	NR	10 UJ	NR	10 UJ	NR	10 UJ	NR	10 UJ	NR	NR	4 UJ	NR
Vinyl chloride	75-01-4	ug/l	2	930	0.015	2.5 UJ	NR	NR	1 UJ	NR	2.5 UJ	NR	2.5 UJ	NR	2.5 UJ	NR	2.5 UJ	NR	NR	1 UJ	NR
Xylenes (Total)	1330-20-7	ug/l	10000	35	190	**36 J**	NR	NR	24 J	NR	19 J	NR	24 J	NR	25 J	NR	26 J	NR	NR	18 J	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	500-66749-1DL2	500-68917-1	500-68917-1DL	500-70815-1	500-70815-1DL	500-72257-1	500-72257-1DL	500-72257-1DL2	500-72977-1	500-72977-1DL	500-75527-1	500-75527-1DL	500-77288-1	500-77288-1DL	500-78191-1	500-78191-1DL
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	11/13/2013	12/19/2013	12/19/2013	1/30/2014	1/30/2014	2/26/2014	2/26/2014	2/26/2014	3/11/2014	3/11/2014	4/22/2014	4/22/2014	5/20/2014	5/20/2014	6/4/2014	6/4/2014
SVOCs																				
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NR	*39 U*	NR	*3.8 U*	NR	*3.9 U*	NR	NR	*20 U*	NR	*19 U*	NR	*39 U*	NR	*3.8 U*	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NR	*16 U*	NR	*1.5 U*	NR	*1.6 U*	NR	NR	*7.8 U*	NR	*7.7 U*	NR	*15 U*	NR	*1.5 U*	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NR	*16 U*	NR	1.5 U	NR	1.6 U	NR	NR	7.8 U	NR	7.7 U	NR	*15 U*	NR	1.5 U	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NR	*78 U*	NR	7.7 U	NR	7.9 U	NR	NR	*39 U*	NR	*39 U*	NR	*77 U*	NR	7.6 U	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NR	16 U	NR	1.5 U	NR	1.6 U	NR	NR	7.8 U	NR	7.7 U	NR	15 U	NR	1.5 U	NR
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NR	*39 U*	NR	*3.8 UJ*	NR	*3.9 U*	NR	NR	*20 U*	NR	*19 U*	NR	*39 U*	NR	*3.8 U*	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NR	*16 U*	NR	*1.5 U*	NR	*1.6 U*	NR	NR	*7.8 U*	NR	*7.7 U*	NR	*15 U*	NR	*1.5 U*	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NR	*160 U*	NR	*15 U*	NR	*16 U*	NR	NR	*78 U*	NR	*77 U*	NR	*150 U*	NR	*15 U*	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NR	310 U	NR	31 U	NR	0 R	NR	NR	160 UJ	NR	150 U	NR	310 U	NR	30 U	NR
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NR	160 U	NR	15 U	NR	16 UJ	NR	NR	78 UJ	NR	77 U	NR	150 U	NR	15 U	NR
2,2'-oxybis(2-chloropropane)	39638-32-9	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NR	39 U	NR	3.8 U	NR	3.9 U	NR	NR	20 U	NR	19 U	NR	39 U	NR	3.8 U	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NR	*78 U*	NR	*7.7 U*	NR	*7.9 U*	NR	NR	*39 U*	NR	*39 U*	NR	*77 U*	NR	*7.6 U*	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NR	*39 U*	NR	*3.8 U*	NR	*3.9 U*	NR	NR	*20 U*	NR	*19 U*	NR	*39 U*	NR	*3.8 U*	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NR	*78 U*	NR	7.7 U	NR	7.9 U	NR	NR	*39 U*	NR	*39 U*	NR	*77 U*	NR	7.6 U	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NR	*78 U*	NR	8 UJ	NR	NR	**49**	NR	**53**	NR	**94**	NR	**110**	NR	NR	**87**
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NR	*160 U*	NR	15 U	NR	16 U	NR	NR	*78 U*	NR	*77 U*	NR	*150 U*	NR	15 U	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NR	*7.8 U*	NR	*0.77 UJ*	NR	*0.79 U*	NR	NR	*3.9 U*	NR	*3.9 U*	NR	*7.7 U*	NR	*0.76 U*	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NR	*78 U*	NR	*7.7 U*	NR	*7.9 U*	NR	NR	*39 U*	NR	*39 U*	NR	*77 U*	NR	*7.6 U*	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NR	*3.9 U*	NR	*0.38 U*	NR	*0.39 U*	NR	NR	*2 U*	NR	*1.9 U*	NR	*3.9 U*	NR	*0.38 U*	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NR	*78 U*	NR	*7.7 U*	NR	*7.9 U*	NR	NR	*39 U*	NR	*39 U*	NR	*77 U*	NR	*7.6 U*	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NR	*16 U*	NR	*1.5 U*	NR	*1.6 U*	NR	NR	*7.8 U*	NR	*7.7 U*	NR	*15 U*	NR	*1.5 U*	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NR	*39 U*	NR	3.8 U	NR	3.9 U	NR	NR	20 U	NR	19 U	NR	*39 U*	NR	3.8 U	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NR	**90**	NR	36	NR	**49**	NR	NR	**50**	NR	**74**	NR	**92**	NR	**44**	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	NR	26	NR	25 J	NR	22	NR	NR	28	NR	35 J	NR	44	NR	33	NR
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NR	*160 U*	NR	*15 U*	NR	*16 U*	NR	NR	*78 U*	NR	*77 U*	NR	*150 U*	NR	*15 U*	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NR	39 U	NR	3.8 U	NR	3.9 U	NR	NR	20 U	NR	19 U	NR	39 U	NR	3.8 U	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NR	*78 U*	NR	7.7 U	NR	7.9 U	NR	NR	39 U	NR	39 U	NR	*77 U*	NR	7.6 U	NR
2-Picoline	109-06-8	ug/l	NV	NV	NV	NR	310 U	NR	31 U	NR	32 U	NR	NR	160 U	NR	150 U	NR	310 U	NR	30 U	NR
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NR	*78 U*	NR	*7.7 U*	NR	*7.9 U*	NR	NR	*39 UJ*	NR	*39 U*	NR	*77 U*	NR	*7.6 U*	NR
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NR	51	NR	52 J	NR	51	NR	NR	58	NR	91	NR	120	NR	NR	110
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NR	*39 U*	NR	*3.8 U*	NR	*3.9 U*	NR	NR	*20 U*	NR	*19 U*	NR	*39 U*	NR	*3.8 U*	NR
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NR	*310 U*	NR	*31 U*	NR	*32 UJ*	NR	NR	*160 UJ*	NR	*150 U*	NR	*310 U*	NR	*30 U*	NR
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NR	*78 U*	NR	*7.7 U*	NR	*7.9 U*	NR	NR	*39 U*	NR	*39 U*	NR	*77 U*	NR	*7.6 U*	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NR	78 U	NR	7.7 U	NR	7.9 U	NR	NR	39 U	NR	39 U	NR	77 U	NR	7.6 U	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NR	*160 U*	NR	*15 UJ*	NR	*16 U*	NR	NR	*78 U*	NR	*77 U*	NR	*150 U*	NR	*15 U*	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NR	*78 U*	NR	*7.7 U*	NR	*7.9 U*	NR	NR	*39 UJ*	NR	*39 U*	NR	*77 U*	NR	*7.6 U*	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NR	*39 U*	NR	*3.8 U*	NR	*3.9 U*	NR	NR	*20 U*	NR	*19 U*	NR	*39 UJ*	NR	*3.8 U*	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NR	78 U	NR	7.7 U	NR	7.9 U	NR	NR	39 U	NR	39 UJ	NR	77 U	NR	7.6 U	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NR	*78 U*	NR	*7.7 U*	NR	*7.9 U*	NR	NR	*39 U*	NR	*39 U*	NR	*77 UJ*	NR	*7.6 UJ*	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NR	39 U	NR	3.8 U	NR	3.9 U	NR	NR	20 U	NR	19 U	NR	39 U	NR	3.8 U	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NR	*78 U*	NR	*7.7 U*	NR	*7.9 U*	NR	NR	*39 U*	NR	*39 U*	NR	*77 U*	NR	*7.6 U*	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NR	*160 U*	NR	15 U	NR	16 U	NR	NR	*78 U*	NR	*77 U*	NR	*150 U*	NR	15 U	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NR	310 U	NR	31 U	NR	0 R	NR	NR	160 U	NR	150 U	NR	310 U	NR	30 U	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NR	*78 U*	NR	7.7 U	NR	7.9 U	NR	NR	*39 UJ*	NR	*39 U*	NR	*77 U*	NR	7.6 U	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NR	*310 U*	NR	*31 U*	NR	*32 U*	NR	NR	*160 U*	NR	*150 U*	NR	*310 U*	NR	*30 U*	NR
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	NR	**330**	NR	NR	**160**	NR	**190 J**	NR	**190**	NR	**170**	NR	**230**	NR	NR	**170**
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NR	33	NR	15 J	NR	18	NR	NR	15	NR	17	NR	23	NR	17 J	NR
Acetophenone	98-86-2	ug/l	NV	1550	1900	NR	39 U	NR	4.9	NR	5.2	NR	NR	20 U	NR	19 U	NR	39 U	NR	3.8 U	NR
Aniline	62-53-3	ug/l	NV	4.1	13	NR	*160 U*	NR	*15 U*	NR	*16 UJ*	NR	NR	*78 U*	NR	*77 U*	NR	*150 UJ*	NR	*15 UJ*	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	NR	*7.8 U*	NR	**3.7**	NR	**3.3**	NR	NR	*3.9 U*	NR	*3.9 U*	NR	*7.7 U*	NR	**3.9**	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	NR	*78 U*	NR	*7.7 U*	NR	*7.9 U*	NR	NR	*39 U*	NR	*39 U*	NR	*77 U*	NR	*7.6 U*	NR
Aramite Peak 1	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Aramite Peak 2	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NR	*1.6 U*	NR	*0.15 U*	NR	*0.16 U*	NR	NR	*0.78 U*	NR	*0.77 U*	NR	*1.5 UJ*	NR	*0.15 U*	NR
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NR	*1.6 U*	NR	*0.15 U*	NR	*0.16 U*	NR	NR	*0.78 U*	NR	*0.77 U*	NR	*1.5 U*	NR	*0.15 U*	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NR	*1.6 U*	NR	*0.15 U*	NR	*0.16 U*	NR	NR	*0.78 U*	NR	*0.77 U*	NR	*1.5 U*	NR	*0.15 U*	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NR	*7.8 U*	NR	0.77 U	NR	0.79 U	NR	NR	3.9 U	NR	3.9 U	NR	*7.7 U*	NR	0.76 U	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NR	*1.6 U*	NR	0.15 U	NR	0.16 UJ	NR	NR	*0.78 U*	NR	*0.77 U*	NR	*1.5 U*	NR	0.15 U	NR
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NR	*160 U*	NR	*15 U*	NR	*16 U*	NR	NR	*78 U*	NR	*77 U*	NR	*150 U*	NR	*15 UJ*	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NR	16 U	NR	1.5 UJ	NR	1.6 U	NR	NR	7.8 U	NR	7.7 U	NR	15 UJ	NR	1.5 U	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NR	16 U	NR	1.5 U	NR	1.6 U	NR	NR	7.8 U	NR	7.7 UJ	NR	15 U	NR	1.5 U	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NR	*16 U*	NR	*1.5 U*	NR	*1.6 U*	NR	NR	*7.8 U*	NR	*7.7 UJ*	NR	*15 U*	NR	*1.5 U*	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NR	*78 U*	NR	*7.7 UJ*	NR	*7.9 U*	NR	NR	*39 U*	NR	*39 U*	NR	*77 U*	NR	*7.6 U*	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NR	16 U	NR	1.5 U	NR	1.6 U	NR	NR	7.8 U	NR	7.7 U	NR	15 U	NR	1.5 U	NR
Carbazole	86-74-8	ug/l	NV	NV	NV	NR	110	NR	44	NR	NR	72	NR	69	NR	81	NR	100	NR	40	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NR	*78 U*	NR	*7.7 U*	NR	*7.9 U*	NR	NR	*39 U*	NR	*39 U*	NR	*77 U*	NR	*7.6 U*	NR
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NR	*3.9 U*	NR	0.38 U	NR	0.39 UJ	NR	NR	2 U	NR	1.9 U	NR	*3.9 U*	NR	0.38 U	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	NR	*78 U*	NR	*7.7 U*	NR	*7.9 U*	NR	NR	*39 U*	NR	*39 U*	NR	*77 U*	NR	*7.6 U*	NR
Diallate Peak 1	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diallate Peak 2	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	500-66749-1DL2	500-68917-1	500-68917-1DL	500-70815-1	500-70815-1DL	500-72257-1	500-72257-1DL	500-72257-1DL2	500-72977-1	500-72977-1DL	500-75527-1	500-75527-1DL	500-77288-1	500-77288-1DL	500-78191-1	500-78191-1DL
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	11/13/2013	12/19/2013	12/19/2013	1/30/2014	1/30/2014	2/26/2014	2/26/2014	2/26/2014	3/11/2014	3/11/2014	4/22/2014	4/22/2014	5/20/2014	5/20/2014	6/4/2014	6/4/2014
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NR	*2.4 U*	NR	*0.23 U*	NR	*0.24 U*	NR	NR	*1.2 U*	NR	*1.2 U*	NR	*2.3 U*	NR	*0.23 U*	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NR	**140**	NR	**34 J**	NR	NR	**63**	NR	**76**	NR	**78**	NR	**100**	NR	**37**	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NR	16 U	NR	1.5 U	NR	1.6 U	NR	NR	7.8 U	NR	7.7 U	NR	15 U	NR	1.5 U	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NR	16 U	NR	1.5 U	NR	1.6 U	NR	NR	7.8 U	NR	7.7 U	NR	15 U	NR	1.5 U	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NR	*39 U*	NR	3.8 U	NR	3.9 U	NR	NR	*20 U*	NR	*19 U*	NR	*39 U*	NR	3.8 U	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NR	*78 U*	NR	7.7 U	NR	7.9 U	NR	NR	*39 U*	NR	*39 U*	NR	*77 U*	NR	7.6 U	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	NR	78 U	NR	7.7 U	NR	7.9 U	NR	NR	39 U	NR	39 U	NR	77 U	NR	7.6 U	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NR	160 U	NR	15 U	NR	16 U	NR	NR	78 U	NR	77 U	NR	150 U	NR	15 U	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NR	*7.8 U*	NR	0.89	NR	0.79 U	NR	NR	*3.9 U*	NR	*3.9 U*	NR	*7.7 U*	NR	0.76 U	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	NR	**100**	NR	**33 J**	NR	**54**	NR	NR	**43**	NR	**53**	NR	**70**	NR	**36**	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NR	*3.9 U*	NR	*0.38 U*	NR	*0.39 U*	NR	NR	*2 U*	NR	*1.9 U*	NR	*3.9 U*	NR	*0.38 U*	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NR	*39 U*	NR	*3.8 UJ*	NR	*3.9 U*	NR	NR	*20 U*	NR	*19 U*	NR	*39 UJ*	NR	*3.8 U*	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NR	*160 U*	NR	*15 U*	NR	*16 U*	NR	NR	*78 UJ*	NR	*77 U*	NR	*150 U*	NR	*15 UJ*	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NR	*39 U*	NR	*3.8 U*	NR	*3.9 U*	NR	NR	*20 U*	NR	*19 U*	NR	*39 U*	NR	*3.8 U*	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NR	NR	NR	NR	NR	*63 U*	NR	NR	*310 U*	NR	*310 U*	NR	*620 U*	NR	*61 U*	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NR	160 U	NR	15 U	NR	16 U	NR	NR	78 UJ	NR	77 U	NR	150 U	NR	15 U	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NR	*1.6 U*	NR	*0.15 U*	NR	*0.16 U*	NR	NR	*0.78 U*	NR	*0.77 U*	NR	*1.5 U*	NR	*0.15 U*	NR
Isophorone	78-59-1	ug/l	NV	830	78	NR	16 U	NR	1.5 U	NR	1.6 U	NR	NR	7.8 U	NR	7.7 UJ	NR	15 U	NR	1.5 U	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	NR	78 U	NR	7.7 U	NR	7.9 U	NR	NR	39 U	NR	39 U	NR	77 U	NR	7.6 U	NR
Isosafrole Peak 1	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Isosafrole Peak 2	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NR	310 U	NR	31 U	NR	32 UJ	NR	NR	160 UJ	NR	150 U	NR	310 U	NR	30 U	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NR	*310 U*	NR	*31 U*	NR	*32 U*	NR	NR	*160 U*	NR	*150 U*	NR	*310 U*	NR	*30 U*	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	**680**	NR	**820**	NR	**250**	NR	NR	**750**	NR	**940**	NR	**920 J**	NR	**1200 J**	NR	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NR	*7.8 U*	NR	*0.77 U*	NR	*0.79 U*	NR	NR	*3.9 U*	NR	*3.9 UJ*	NR	*7.7 U*	NR	*0.76 U*	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NR	*160 U*	NR	*15 U*	NR	*16 U*	NR	NR	*78 U*	NR	*77 U*	NR	*150 U*	NR	*15 U*	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NR	*78 U*	NR	*7.7 U*	NR	*7.9 U*	NR	NR	*39 U*	NR	*39 U*	NR	*77 U*	NR	*7.6 U*	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NR	*78 U*	NR	*7.7 U*	NR	*7.9 U*	NR	NR	*39 U*	NR	*39 U*	NR	*77 U*	NR	*7.6 U*	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NR	*3.9 U*	NR	*0.38 U*	NR	*0.39 U*	NR	NR	*2 U*	NR	*1.9 UJ*	NR	*3.9 U*	NR	*0.38 U*	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NR	7.8 U	NR	0.77 U	NR	0.79 U	NR	NR	3.9 U	NR	3.9 UJ	NR	7.7 U	NR	0.76 U	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NR	*160 U*	NR	*15 UJ*	NR	*16 UJ*	NR	NR	*78 U*	NR	*77 U*	NR	*150 U*	NR	*15 U*	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NR	*160 U*	NR	*15 U*	NR	*16 U*	NR	NR	*78 U*	NR	*77 U*	NR	*150 U*	NR	*15 U*	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NR	78 U	NR	7.7 U	NR	7.9 U	NR	NR	39 U	NR	39 U	NR	77 U	NR	7.6 U	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NR	*78 U*	NR	*7.7 U*	NR	*7.9 U*	NR	NR	*39 U*	NR	*39 U*	NR	*77 U*	NR	*7.6 U*	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NR	310 U	NR	31 U	NR	32 U	NR	NR	160 UJ	NR	150 U	NR	310 U	NR	30 U	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NR	*78 U*	NR	*7.7 U*	NR	*7.9 U*	NR	NR	*39 U*	NR	*39 U*	NR	*77 U*	NR	*7.6 U*	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NR	*78 U*	NR	*7.7 U*	NR	*7.9 U*	NR	NR	*39 U*	NR	*39 U*	NR	*77 U*	NR	*7.6 U*	NR
Pentachloroethane	76-01-7	ug/L	NV	56.4	0.65	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NR	*78 U*	NR	*7.7 U*	NR	*7.9 U*	NR	NR	*39 U*	NR	*39 U*	NR	*77 U*	NR	*7.6 U*	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NR	*160 UJ*	NR	*15 UJ*	NR	*16 U*	NR	NR	*78 U*	NR	*77 U*	NR	*150 U*	NR	*15 U*	NR
Phenacetin	62-44-2	ug/l	NV	NV	34	NR	*78 U*	NR	7.7 U	NR	7.9 U	NR	NR	*39 U*	NR	*39 U*	NR	*77 U*	NR	7.6 U	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NR	**26**	NR	**12**	NR	**11**	NR	NR	**9.2**	NR	**11**	NR	**14 J**	NR	**13**	NR
Phenol	108-95-2	ug/l	NV	180	5800	NR	52 J	NR	53	NR	NR	55	NR	95	NR	130	NR	160	NR	NR	150
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pronamide	23950-59-5	ug/l	NV	NV	NV	NR	78 U	NR	7.7 U	NR	7.9 U	NR	NR	39 U	NR	39 U	NR	77 U	NR	7.6 U	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	NR	*7.8 U*	NR	*0.77 UJ*	NR	*0.79 U*	NR	NR	*3.9 U*	NR	*3.9 U*	NR	*7.7 U*	NR	*0.76 U*	NR
Pyridine	110-86-1	ug/l	NV	NV	20	NR	*160 U*	NR	15 UJ	NR	16 UJ	NR	NR	*78 U*	NR	*77 U*	NR	*150 U*	NR	15 UJ	NR
Quinoline	91-22-5	ug/l	NV	NV	0.024	NR	*310 U*	NR	*32 U*	NR	*32 U*	NR	NR	*160 U*	NR	*150 U*	NR	*310 U*	NR	*30 U*	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NR	*78 U*	NR	*7.7 U*	NR	*7.9 U*	NR	NR	*39 U*	NR	*39 U*	NR	*77 U*	NR	*7.6 U*	NR
General Chemistry																					
Ammonia as N	7664-41-7	ug/l	NV	150	NV	NR	**13000**	NR	**13000**	NR	**19000**	NR	NR	**19000**	NR	**21000**	NR	**18000**	NR	**17000**	NR
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	NR	**11 J**	NR	*10 UJ*	NR	*20 U*	NR	NR	*10 U*	NR	**12 J**	NR	*20 U*	NR	*20 UJ*	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR	*10 UJ*	NR	NR	NR	*10 UJ*	NR
Field pH	000010297	S.U.	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Temperature, F	000000086	Degree F	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		umhos/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		uS/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Dissolved Solids		ug/l	NV	NV	NV	NR	2500000	NR	2300000	NR	2200000	NR	NR	2400000	NR	2600000	NR	2500000	NR	2500000	NR
Total Suspended Solids		ug/l	NV	NV	NV	NR	2000 U	NR	5000 U	NR	2000 U	NR	NR	5000 U	NR	2000 U	NR	2000 U	NR	2000 U	NR
Inorganics																					
Arsenic	7440-38-2	ug/l	10	150	0.052	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR
Barium	7440-39-3	ug/l	2000	438	3800	NR	420	NR	430	NR	**460**	NR	NR	**460 J**	NR	**480**	NR	**530**	NR	**480**	NR
Cadmium	7440-43-9	ug/l	5	2.2	9.2	NR	2 U	NR	2 U	NR	2 U	NR	NR	2 U	NR	2 U	NR	2 U	NR	2 U	NR
Chromium	7440-47-3	ug/l	100	74	NV	NR	10 U	NR	10 U	NR	10 U	NR	NR	10 U	NR	10 U	NR	10 U	NR	10 U	NR
Lead	7439-92-1	ug/l	15	6.4	15	NR	5 U	NR	5 U	NR	5 U	NR	NR	5 U	NR	5 U	NR	5 U	NR	5 U	NR
Lithium	7439-93-2	ug/l	NV	14	40	NR	**78**	NR	**71**	NR	**82**	NR	NR	**64**	NR	**66**	NR	**71**	NR	**67**	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	NR	0.2 U	NR	0.2 U	NR	0.2 U	NR	NR	0.2 U	NR	0.2 U	NR	0.2 U	NR	0.2 U	NR
Selenium	7782-49-2	ug/l	50	4.6	100	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR	NR	*10 U*	NR	*10 UJ*	NR	*10 U*	NR	*10 U*	NR
Silver	7440-22-4	ug/l	NV	0.12	94	NR	*5 U*	NR	*5 U*	NR	*5 U*	NR	NR	*5 U*	NR	*5 U*	NR	*5 U*	NR	*5 U*	NR
PCBs																					
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NR	*0.4 U*	NR	*0.4 U*	NR	*0.4 UJ*	NR	NR	*0.4 U*	NR	0.19 UJ	NR	0.19 UJ	NR	0.2 U	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NR	*0.4 U*	NR	*0.4 U*	NR	*0.4 U*	NR	NR	*0.4 U*	NR	*0.19 U*	NR	*0.19 UJ*	NR	*0.2 U*	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	500-66749-1DL2	500-68917-1	500-68917-1DL	500-70815-1	500-70815-1DL	500-72257-1	500-72257-1DL	500-72257-1DL2	500-72977-1	500-72977-1DL	500-75527-1	500-75527-1DL	500-77288-1	500-77288-1DL	500-78191-1	500-78191-1DL
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	11/13/2013	12/19/2013	12/19/2013	1/30/2014	1/30/2014	2/26/2014	2/26/2014	2/26/2014	3/11/2014	3/11/2014	4/22/2014	4/22/2014	5/20/2014	5/20/2014	6/4/2014	6/4/2014
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NR	*0.4 U*	NR	*0.4 U*	NR	*0.4 U*	NR	NR	*0.4 U*	NR	*0.19 U*	NR	*0.19 UJ*	NR	*0.2 U*	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NR	*0.4 U*	NR	*0.4 U*	NR	*0.4 U*	NR	NR	*0.4 U*	NR	*0.19 U*	NR	*0.19 UJ*	NR	*0.2 U*	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NR	*0.4 U*	NR	*0.4 U*	NR	*0.4 U*	NR	NR	*0.4 U*	NR	*0.19 U*	NR	*0.19 UJ*	NR	*0.2 U*	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NR	*0.4 U*	NR	*0.4 U*	NR	*0.4 U*	NR	NR	*0.4 U*	NR	*0.19 U*	NR	*0.19 UJ*	NR	*0.2 U*	NR
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NR	*0.4 U*	NR	*0.4 U*	NR	*0.4 U*	NR	NR	*0.4 UJ*	NR	*0.19 UJ*	NR	*0.19 UJ*	NR	*0.2 U*	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NR	0.4 U	NR	0.4 U	NR	0.4 U	NR	NR	0.4 UJ	NR	0.19 U	NR	0.19 UJ	NR	0.2 U	NR
VOCs																					
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 U*	NR	*10 UJ*	NR
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 U	NR	10 UJ	NR
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 U*	NR	*10 UJ*	NR
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 U*	NR	*10 UJ*	NR
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NR	*5 UJ*	NR	*5 UJ*	NR	2 UJ	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 U*	NR	*10 UJ*	NR
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 U	NR	*10 UJ*	NR
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 U*	NR	*10 UJ*	NR
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NR	*10 UJ*	NR	*10 UJ*	NR	*4 UJ*	NR	NR	*10 UJ*	NR	*10 UJ*	NR	*10 U*	NR	*20 UJ*	NR
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 U*	NR	*10 UJ*	NR
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 U*	NR	*10 UJ*	NR
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 U*	NR	*10 UJ*	NR
2-Butanone	78-93-3	ug/l	NV	14000	5600	NR	25 UJ	NR	25 UJ	NR	10 UJ	NR	NR	25 UJ	NR	25 UJ	NR	25 U	NR	50 UJ	NR
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 U*	NR	*10 UJ*	NR
2-Hexanone	591-78-6	ug/l	NV	99	38	NR	25 UJ	NR	25 UJ	NR	10 UJ	NR	NR	25 UJ	NR	25 UJ	NR	25 U	NR	*50 UJ*	NR
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NR	*13 UJ*	NR	*13 UJ*	NR	*5 UJ*	NR	NR	*13 UJ*	NR	*13 UJ*	NR	*13 U*	NR	*25 UJ*	NR
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NR	25 UJ	NR	25 UJ	NR	10 UJ	NR	NR	25 UJ	NR	25 UJ	NR	25 U	NR	50 UJ	NR
Acetone	67-64-1	ug/l	NV	1700	14000	NR	37 J	NR	33 J	NR	26 J	NR	NR	25 UJ	NR	50 J	NR	46	NR	76 J	NR
Acetonitrile	75-05-8	ug/l	NV	12000	130	NR	100 UJ	NR	100 UJ	NR	40 UJ	NR	NR	100 UJ	NR	100 UJ	NR	100 U	NR	*200 UJ*	NR
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NR	*500 UJ*	NR	*500 UJ*	NR	*200 UJ*	NR	NR	*500 UJ*	NR	*500 UJ*	NR	*500 U*	NR	*1000 UJ*	NR
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NR	*100 UJ*	NR	*100 UJ*	NR	*40 UJ*	NR	NR	*100 UJ*	NR	*100 UJ*	NR	*100 U*	NR	*200 UJ*	NR
Benzene	71-43-2	ug/l	5	98	0.46	NR	NR	**2400 J**	NR	**2500**	NR	**2800**	NR	NR	**2600 J**	NR	**3300 J**	NR	**3500 J**	NR	**3900**
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 U*	NR	*10 UJ*	NR
Bromoform	75-25-2	ug/l	80	61	3.3	NR	*5 UJ*	NR	*5 UJ*	NR	2 UJ	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 U*	NR	*10 UJ*	NR
Bromomethane	74-83-9	ug/l	NV	16	7.5	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 U	NR	*10 UJ*	NR
Carbon disulfide	75-15-0	ug/l	NV	15	810	NR	*25 UJ*	NR	*25 UJ*	NR	10 UJ	NR	NR	*25 UJ*	NR	*25 UJ*	NR	*25 U*	NR	*50 UJ*	NR
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 U*	NR	*10 UJ*	NR
Chlorobenzene	108-90-7	ug/l	100	47	78	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 U	NR	10 UJ	NR
Chloroethane	75-00-3	ug/l	NV	NV	21000	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 U	NR	10 UJ	NR
Chloroform	67-66-3	ug/l	80	170	0.22	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 U*	NR	*10 UJ*	NR
Chloromethane	74-87-3	ug/l	NV	NV	190	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 U	NR	10 UJ	NR
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 U*	NR	*10 UJ*	NR
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 U*	NR	*10 UJ*	NR
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 U	NR	*10 UJ*	NR
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 U	NR	10 UJ	NR
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NR	13 UJ	NR	13 UJ	NR	5 UJ	NR	NR	13 UJ	NR	13 UJ	NR	13 U	NR	25 UJ	NR
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NR	**12 J**	NR	**11 J**	NR	**11 J**	NR	NR	**10 J**	NR	**12 J**	NR	**12**	NR	**14 J**	NR
Iodomethane	74-88-4	ug/l	NV	NV	NV	NR	13 UJ	NR	13 UJ	NR	5 UJ	NR	NR	13 UJ	NR	13 UJ	NR	13 U	NR	25 UJ	NR
Isobutanol	78-83-1	ug/l	NV	NV	5900	NR	500 UJ	NR	500 UJ	NR	200 UJ	NR	NR	500 UJ	NR	500 UJ	NR	500 U	NR	1000 UJ	NR
m&p-Xylene	179601-23-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NR	*13 UJ*	NR	*13 UJ*	NR	*5 UJ*	NR	NR	*13 UJ*	NR	*13 UJ*	NR	*13 U*	NR	*25 UJ*	NR
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NR	13 UJ	NR	13 UJ	NR	5 UJ	NR	NR	13 UJ	NR	13 UJ	NR	13 U	NR	25 UJ	NR
Methylene Chloride	75-09-2	ug/l	5	1500	11	NR	*25 UJ*	NR	*25 UJ*	NR	*10 UJ*	NR	NR	*25 UJ*	NR	*25 UJ*	NR	*25 U*	NR	*50 UJ*	NR
o-Xylene	95-47-6	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NR	*50 UJ*	NR	*50 UJ*	NR	*20 UJ*	NR	NR	*50 UJ*	NR	*50 UJ*	NR	*50 U*	NR	*100 UJ*	NR
Propionitrile	107-12-0	ug/l	NV	NV	NV	NR	100 UJ	NR	100 UJ	NR	40 UJ	NR	NR	100 UJ	NR	100 UJ	NR	100 U	NR	200 UJ	NR
Styrene	100-42-5	ug/l	100	32	1200	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 U	NR	10 UJ	NR
Tetrachloroethene	127-18-4	ug/l	5	60	11	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 U	NR	*10 UJ*	NR
Toluene	108-88-3	ug/l	1000	94	1100	NR	14 J	NR	13 J	NR	15 J	NR	NR	13 J	NR	18 J	NR	17	NR	21 J	NR
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 U	NR	10 UJ	NR
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NR	*5 UJ*	NR	*5 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 U*	NR	*10 UJ*	NR
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NR	*50 UJ*	NR	*50 UJ*	NR	*20 UJ*	NR	NR	*50 UJ*	NR	*50 UJ*	NR	*50 U*	NR	*100 UJ*	NR
Trichloroethene	79-01-6	ug/l	5	260	0.49	NR	*2.5 UJ*	NR	*2.5 UJ*	NR	*1 UJ*	NR	NR	*2.5 UJ*	NR	*2.5 UJ*	NR	*2.5 U*	NR	*5 UJ*	NR
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NR	5 UJ	NR	5 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 U	NR	10 UJ	NR
Vinyl acetate	108-05-4	ug/l	NV	248	410	NR	10 UJ	NR	10 UJ	NR	4 UJ	NR	NR	10 UJ	NR	10 UJ	NR	10 U	NR	20 UJ	NR
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NR	*2.5 UJ*	NR	*2.5 UJ*	NR	*1 UJ*	NR	NR	*2.5 UJ*	NR	*2.5 UJ*	NR	*2.5 U*	NR	*5 UJ*	NR
Xylenes (Total)	1330-20-7	ug/l	10000	35	190	NR	28 J	NR	25 J	NR	27 J	NR	NR	23 J	NR	27 J	NR	26	NR	31 J	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	500-78191-1DL2	500-80271-1	500-80271-1DL	500-81948-1	500-81948-1DL	500-81948-1DL2	500-84033-1	500-84033-1DL	500-84033-4	500-84033-4DL	500-86295-1	500-86295-1DL	500-86295-1DL2	500-87483-1	500-87483-1DL	500-87483-1DL2
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	FD	FD	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	6/4/2014	7/10/2014	7/10/2014	8/7/2014	8/7/2014	8/7/2014	9/12/2014	9/12/2014	9/12/2014	9/12/2014	10/17/2014	10/17/2014	10/17/2014	11/7/2014	11/7/2014	11/7/2014
SVOCs																				
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NR	*19 U*	NR	*3.9 U*	NR	NR	*38 U*	NR	*38 U*	NR	*3.7 U*	NR	NR	*3.8 UJ*	NR	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NR	*7.6 U*	NR	*1.6 U*	NR	NR	*15 U*	NR	*15 U*	NR	*1.5 U*	NR	NR	*1.5 UJ*	NR	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NR	7.6 U	NR	1.6 U	NR	NR	*15 U*	NR	*15 U*	NR	1.5 U	NR	NR	1.5 UJ	NR	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NR	*38 U*	NR	7.8 U	NR	NR	*75 U*	NR	*75 U*	NR	7.5 U	NR	NR	7.6 UJ	NR	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NR	7.6 U	NR	1.6 U	NR	NR	15 U	NR	15 U	NR	1.5 U	NR	NR	1.5 UJ	NR	NR
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NR	*19 U*	NR	*3.9 U*	NR	NR	*38 U*	NR	*38 U*	NR	*3.7 U*	NR	NR	*3.8 UJ*	NR	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NR	*7.6 U*	NR	*1.6 U*	NR	NR	*15 U*	NR	*15 U*	NR	*1.5 U*	NR	NR	*1.5 UJ*	NR	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NR	*76 U*	NR	*16 U*	NR	NR	*150 UJ*	NR	*150 UJ*	NR	*15 U*	NR	NR	*15 UJ*	NR	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NR	150 U	NR	31 U	NR	NR	300 UJ	NR	300 UJ	NR	30 U	NR	NR	31 UJ	NR	NR
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NR	76 U	NR	16 U	NR	NR	150 U	NR	150 U	NR	15 U	NR	NR	15 UJ	NR	NR
2,2'-oxybis(2-chloropropane)	39638-32-9	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NR	19 U	NR	3.9 U	NR	NR	38 UJ	NR	38 UJ	NR	3.7 UJ	NR	NR	3.8 UJ	NR	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NR	*38 U*	NR	*7.8 U*	NR	NR	*75 U*	NR	*75 U*	NR	*7.5 UJ*	NR	NR	*7.6 U*	NR	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NR	*19 U*	NR	*3.9 U*	NR	NR	*38 U*	NR	*38 U*	NR	*3.7 UJ*	NR	NR	*3.8 UJ*	NR	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NR	*38 U*	NR	7.8 U	NR	NR	*75 U*	NR	*75 U*	NR	7.5 UJ	NR	NR	7.6 UJ	NR	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NR	**91**	NR	NR	*160 U*	NR	*75 U*	NR	**76**	NR	7.5 UJ	NR	NR	18	NR	NR
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NR	*76 U*	NR	16 U	NR	NR	*150 U*	NR	*150 U*	NR	15 UJ	NR	NR	15 U	NR	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NR	*3.8 U*	NR	*0.78 U*	NR	NR	*7.5 U*	NR	*7.5 U*	NR	*0.75 U*	NR	NR	*0.76 UJ*	NR	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NR	*38 U*	NR	*7.8 U*	NR	NR	*75 U*	NR	*75 U*	NR	*7.5 UJ*	NR	NR	*7.6 U*	NR	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NR	*1.9 U*	NR	*0.39 U*	NR	NR	*3.8 U*	NR	*3.8 U*	NR	*0.37 U*	NR	NR	*0.38 UJ*	NR	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NR	*38 U*	NR	*7.8 U*	NR	NR	*75 U*	NR	*75 U*	NR	*7.5 U*	NR	NR	*7.6 UJ*	NR	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NR	*7.6 U*	NR	*1.6 U*	NR	NR	*15 U*	NR	*15 U*	NR	*1.5 U*	NR	NR	*1.5 UJ*	NR	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NR	19 U	NR	3.9 U	NR	NR	*38 U*	NR	*38 U*	NR	3.7 UJ	NR	NR	3.8 UJ	NR	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NR	**110**	NR	NR	**150**	NR	**170**	NR	**170**	NR	NR	**150**	NR	NR	**180 J**	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	NR	30	NR	28	NR	NR	18	NR	20	NR	1.5 UJ	NR	NR	14	NR	NR
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NR	*76 U*	NR	*16 U*	NR	NR	*150 U*	NR	*150 U*	NR	*15 U*	NR	NR	*15 UJ*	NR	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NR	19 U	NR	3.9 U	NR	NR	38 U	NR	38 U	NR	3.7 U	NR	NR	3.8 UJ	NR	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NR	38 U	NR	7.8 U	NR	NR	*75 U*	NR	*75 U*	NR	7.5 UJ	NR	NR	7.6 U	NR	NR
2-Picoline	109-06-8	ug/l	NV	NV	NV	NR	150 U	NR	31 U	NR	NR	300 U	NR	300 U	NR	30 U	NR	NR	31 UJ	NR	NR
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NR	*38 U*	NR	*7.8 U*	NR	NR	*75 U*	NR	*75 U*	NR	*7.5 UJ*	NR	NR	*7.6 U*	NR	NR
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NR	120	NR	NR	100	NR	76	NR	83	NR	1.5 UJ	NR	NR	50	NR	NR
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NR	*19 U*	NR	*3.9 U*	NR	NR	*38 U*	NR	*38 U*	NR	*3.7 U*	NR	NR	*3.8 UJ*	NR	NR
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NR	*150 U*	NR	*31 U*	NR	NR	*300 U*	NR	*300 U*	NR	*30 U*	NR	NR	*31 UJ*	NR	NR
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NR	*38 U*	NR	*7.8 U*	NR	NR	*75 U*	NR	*75 U*	NR	*7.5 U*	NR	NR	*7.6 UJ*	NR	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NR	38 U	NR	7.8 U	NR	NR	75 U	NR	75 U	NR	7.5 U	NR	NR	7.6 UJ	NR	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NR	*76 U*	NR	*16 U*	NR	NR	*150 U*	NR	*150 U*	NR	*15 UJ*	NR	NR	*15 U*	NR	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NR	*38 U*	NR	*7.8 U*	NR	NR	*75 U*	NR	*75 U*	NR	*7.5 U*	NR	NR	*7.6 UJ*	NR	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NR	*19 U*	NR	*3.9 U*	NR	NR	*38 U*	NR	*38 U*	NR	*3.7 U*	NR	NR	*3.8 UJ*	NR	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NR	38 U	NR	7.8 U	NR	NR	75 U	NR	75 U	NR	7.5 UJ	NR	NR	7.6 U	NR	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NR	*38 U*	NR	*7.8 U*	NR	NR	*75 UJ*	NR	*75 UJ*	NR	*7.5 UJ*	NR	NR	*7.6 UJ*	NR	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NR	19 U	NR	3.9 U	NR	NR	38 U	NR	38 U	NR	3.7 U	NR	NR	3.8 UJ	NR	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NR	*38 UJ*	NR	*7.8 U*	NR	NR	*75 U*	NR	*75 U*	NR	*7.5 U*	NR	NR	*7.6 UJ*	NR	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NR	*76 U*	NR	16 U	NR	NR	*150 U*	NR	*150 U*	NR	15 UJ	NR	NR	15 U	NR	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NR	150 U	NR	31 U	NR	NR	300 U	NR	300 U	NR	30 U	NR	NR	31 UJ	NR	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NR	*38 U*	NR	7.8 U	NR	NR	*75 U*	NR	*75 U*	NR	7.5 U	NR	NR	7.6 UJ	NR	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NR	*150 U*	NR	*31 U*	NR	NR	*300 UJ*	NR	*300 UJ*	NR	*30 U*	NR	NR	*31 UJ*	NR	NR
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	NR	**230**	NR	NR	**350**	NR	**400**	NR	**410**	NR	NR	**420**	NR	NR	**340**	NR
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NR	24	NR	22	NR	NR	20	NR	20	NR	20	NR	NR	18 J	NR	NR
Acetophenone	98-86-2	ug/l	NV	1550	1900	NR	19 U	NR	3.9 U	NR	NR	38 U	NR	38 U	NR	3.7 U	NR	NR	3.8 UJ	NR	NR
Aniline	62-53-3	ug/l	NV	4.1	13	NR	*76 U*	NR	*16 UJ*	NR	NR	*150 U*	NR	*150 U*	NR	*15 U*	NR	NR	*15 UJ*	NR	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	NR	**7.5**	NR	**7.3**	NR	NR	*7.5 U*	NR	*7.5 U*	NR	**5.7**	NR	NR	**6.4 J**	NR	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	NR	*38 U*	NR	*7.8 U*	NR	NR	*75 U*	NR	*75 U*	NR	*7.5 U*	NR	NR	*7.6 UJ*	NR	NR
Aramite Peak 1	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Aramite Peak 2	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NR	*0.76 U*	NR	*0.16 U*	NR	NR	*1.5 U*	NR	*1.5 U*	NR	*0.15 U*	NR	NR	*0.15 UJ*	NR	NR
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NR	*0.76 U*	NR	*0.16 U*	NR	NR	*1.5 U*	NR	*1.5 U*	NR	*0.15 U*	NR	NR	*0.15 UJ*	NR	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NR	*0.76 U*	NR	*0.16 U*	NR	NR	*1.5 U*	NR	*1.5 U*	NR	*0.15 U*	NR	NR	*0.15 UJ*	NR	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NR	3.8 U	NR	0.78 U	NR	NR	7.5 U	NR	7.5 U	NR	0.75 U	NR	NR	0.76 UJ	NR	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NR	*0.76 U*	NR	0.16 U	NR	NR	*1.5 U*	NR	*1.5 U*	NR	0.15 U	NR	NR	0.15 UJ	NR	NR
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NR	*76 U*	NR	*16 U*	NR	NR	*150 UJ*	NR	*150 UJ*	NR	*15 UJ*	NR	NR	*15 U*	NR	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NR	7.6 U	NR	1.6 U	NR	NR	15 UJ	NR	15 UJ	NR	1.5 U	NR	NR	1.5 UJ	NR	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NR	7.6 U	NR	1.6 U	NR	NR	15 U	NR	15 U	NR	1.5 U	NR	NR	1.5 UJ	NR	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NR	*7.6 U*	NR	*1.6 U*	NR	NR	*15 U*	NR	*15 U*	NR	*1.5 U*	NR	NR	*1.5 UJ*	NR	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NR	*38 U*	NR	*7.8 U*	NR	NR	*75 U*	NR	*75 U*	NR	*7.5 U*	NR	NR	*7.6 UJ*	NR	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NR	7.6 U	NR	1.6 U	NR	NR	15 U	NR	15 U	NR	1.5 U	NR	NR	1.5 UJ	NR	NR
Carbazole	86-74-8	ug/l	NV	NV	NV	NR	100	NR	NR	120	NR	140	NR	140	NR	NR	140	NR	NR	170	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NR	*38 U*	NR	*7.8 U*	NR	NR	*75 U*	NR	*75 U*	NR	*7.5 U*	NR	NR	*7.6 UJ*	NR	NR
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NR	1.9 U	NR	0.39 U	NR	NR	*3.8 U*	NR	*3.8 U*	NR	0.37 U	NR	NR	0.38 UJ	NR	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	NR	*38 U*	NR	*7.8 U*	NR	NR	*75 U*	NR	*75 U*	NR	*7.5 U*	NR	NR	*7.6 UJ*	NR	NR
Diallate Peak 1	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diallate Peak 2	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	500-78191-1DL2	500-80271-1	500-80271-1DL	500-81948-1	500-81948-1DL	500-81948-1DL2	500-84033-1	500-84033-1DL	500-84033-4	500-84033-4DL	500-86295-1	500-86295-1DL	500-86295-1DL2	500-87483-1	500-87483-1DL	500-87483-1DL2
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	FD	FD	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	6/4/2014	7/10/2014	7/10/2014	8/7/2014	8/7/2014	8/7/2014	9/12/2014	9/12/2014	9/12/2014	9/12/2014	10/17/2014	10/17/2014	10/17/2014	11/7/2014	11/7/2014	11/7/2014
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NR	*1.1 U*	NR	*0.23 U*	NR	NR	*2.3 U*	NR	*2.3 U*	NR	*0.22 U*	NR	NR	*0.23 UJ*	NR	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NR	**120**	NR	NR	**160**	NR	**160**	NR	**160**	NR	NR	**150**	NR	NR	**180**	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NR	7.6 U	NR	1.6 U	NR	NR	15 U	NR	15 U	NR	1.5 U	NR	NR	1.5 UJ	NR	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NR	7.6 U	NR	1.6 U	NR	NR	15 U	NR	15 U	NR	1.5 U	NR	NR	1.5 UJ	NR	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NR	*19 U*	NR	3.9 U	NR	NR	*38 UJ*	NR	*38 UJ*	NR	3.7 U	NR	NR	3.8 UJ	NR	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NR	*38 U*	NR	7.8 U	NR	NR	*75 U*	NR	*75 U*	NR	7.5 U	NR	NR	7.6 UJ	NR	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	NR	38 U	NR	7.8 U	NR	NR	75 U	NR	75 U	NR	7.5 U	NR	NR	7.6 UJ	NR	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NR	76 U	NR	16 U	NR	NR	150 U	NR	150 U	NR	15 U	NR	NR	15 UJ	NR	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NR	*3.8 U*	NR	3.2	NR	NR	*7.5 UJ*	NR	*7.5 UJ*	NR	2.9	NR	NR	2.6 J	NR	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	NR	**100**	NR	NR	**120**	NR	**120**	NR	**120**	NR	NR	**120**	NR	NR	**140**	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NR	*1.9 U*	NR	*0.39 U*	NR	NR	*3.8 U*	NR	*3.8 U*	NR	*0.37 U*	NR	NR	*0.38 UJ*	NR	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NR	*19 U*	NR	*3.9 U*	NR	NR	*38 UJ*	NR	*38 UJ*	NR	*3.7 U*	NR	NR	*3.8 UJ*	NR	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NR	*76 UJ*	NR	*16 UJ*	NR	NR	*150 U*	NR	*150 U*	NR	*15 U*	NR	NR	*15 UJ*	NR	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NR	*19 U*	NR	*3.9 U*	NR	NR	*38 U*	NR	*38 U*	NR	*3.7 U*	NR	NR	*3.8 UJ*	NR	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NR	*300 U*	NR	*62 U*	NR	NR	*600 U*	NR	*600 U*	NR	*60 U*	NR	NR	*61 UJ*	NR	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NR	76 U	NR	16 U	NR	NR	150 UJ	NR	150 UJ	NR	15 U	NR	NR	15 UJ	NR	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NR	*0.76 U*	NR	*0.16 U*	NR	NR	*1.5 U*	NR	*1.5 U*	NR	*0.15 U*	NR	NR	*0.15 UJ*	NR	NR
Isophorone	78-59-1	ug/l	NV	830	78	NR	7.6 U	NR	1.6 U	NR	NR	15 U	NR	15 U	NR	1.5 U	NR	NR	1.5 UJ	NR	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	NR	38 U	NR	7.8 U	NR	NR	75 U	NR	75 U	NR	7.5 U	NR	NR	7.6 UJ	NR	NR
Isosafrole Peak 1	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Isosafrole Peak 2	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NR	150 U	NR	31 U	NR	NR	300 U	NR	300 U	NR	30 U	NR	NR	31 UJ	NR	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NR	*150 U*	NR	*31 U*	NR	NR	*300 U*	NR	*300 U*	NR	*30 U*	NR	NR	*31 UJ*	NR	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	**950**	NR	**1800**	NR	NR	**1400**	NR	**3100**	NR	**3200**	NR	NR	**2000**	NR	NR	**2000**
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NR	*3.8 U*	NR	*0.78 U*	NR	NR	*7.5 U*	NR	*7.5 U*	NR	*0.75 U*	NR	NR	*0.76 UJ*	NR	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NR	*76 U*	NR	*16 U*	NR	NR	*150 U*	NR	*150 U*	NR	*15 U*	NR	NR	*15 UJ*	NR	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NR	*38 U*	NR	*7.8 U*	NR	NR	*75 U*	NR	*75 U*	NR	*7.5 U*	NR	NR	*7.6 UJ*	NR	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NR	*38 U*	NR	*7.8 U*	NR	NR	*75 UJ*	NR	*75 UJ*	NR	*7.5 U*	NR	NR	*7.6 UJ*	NR	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NR	*1.9 U*	NR	*0.39 U*	NR	NR	*3.8 U*	NR	*3.8 U*	NR	*0.37 U*	NR	NR	*0.38 UJ*	NR	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NR	3.8 U	NR	0.78 U	NR	NR	7.5 U	NR	7.5 U	NR	0.75 U	NR	NR	0.76 UJ	NR	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NR	*76 U*	NR	*16 U*	NR	NR	*150 U*	NR	*150 U*	NR	*15 U*	NR	NR	*15 UJ*	NR	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NR	*76 U*	NR	*16 U*	NR	NR	*150 U*	NR	*150 U*	NR	*15 U*	NR	NR	*15 UJ*	NR	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NR	38 U	NR	7.8 U	NR	NR	75 U	NR	75 U	NR	7.5 U	NR	NR	7.6 UJ	NR	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NR	*38 U*	NR	*7.8 U*	NR	NR	*75 U*	NR	*75 U*	NR	*7.5 U*	NR	NR	*7.6 UJ*	NR	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NR	150 U	NR	31 U	NR	NR	300 U	NR	300 U	NR	30 U	NR	NR	31 UJ	NR	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NR	*38 U*	NR	*7.8 U*	NR	NR	*75 U*	NR	*75 U*	NR	*7.5 U*	NR	NR	*7.6 UJ*	NR	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NR	*38 U*	NR	*7.8 U*	NR	NR	*75 U*	NR	*75 U*	NR	*7.5 U*	NR	NR	*7.6 UJ*	NR	NR
Pentachloroethane	76-01-7	ug/L	NV	56.4	0.65	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NR	*38 U*	NR	*7.8 U*	NR	NR	*75 U*	NR	*75 U*	NR	*7.5 U*	NR	NR	*7.6 UJ*	NR	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NR	*76 U*	NR	*16 U*	NR	NR	*150 U*	NR	*150 U*	NR	*15 UJ*	NR	NR	*15 UJ*	NR	NR
Phenacetin	62-44-2	ug/l	NV	NV	34	NR	*38 U*	NR	7.8 U	NR	NR	*75 U*	NR	*75 U*	NR	7.5 U	NR	NR	7.6 UJ	NR	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NR	**40**	NR	**37**	NR	NR	**39**	NR	**40**	NR	**32**	NR	NR	**39 J**	NR	NR
Phenol	108-95-2	ug/l	NV	180	5800	NR	**200**	NR	NR	180	NR	130	NR	140	NR	3.7 UJ	NR	NR	NR	74	NR
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pronamide	23950-59-5	ug/l	NV	NV	NV	NR	38 U	NR	7.8 U	NR	NR	75 U	NR	75 U	NR	7.5 U	NR	NR	7.6 UJ	NR	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	NR	*3.8 U*	NR	**1.7**	NR	NR	*7.5 U*	NR	*7.5 U*	NR	**1.6**	NR	NR	**1.5 J**	NR	NR
Pyridine	110-86-1	ug/l	NV	NV	20	NR	*76 U*	NR	16 UJ	NR	NR	*150 U*	NR	*150 U*	NR	15 U	NR	NR	15 UJ	NR	NR
Quinoline	91-22-5	ug/l	NV	NV	0.024	NR	*150 U*	NR	*31 U*	NR	NR	*300 U*	NR	*300 U*	NR	*30 U*	NR	NR	*31 UJ*	NR	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NR	*38 U*	NR	*7.8 U*	NR	NR	*75 UJ*	NR	*75 UJ*	NR	*7.5 U*	NR	NR	*7.6 UJ*	NR	NR
General Chemistry																					
Ammonia as N	7664-41-7	ug/l	NV	150	NV	NR	**19000**	NR	**14000**	NR	NR	**13000**	NR	**13000**	NR	**8000**	NR	NR	**7400**	NR	NR
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	NR	*10 UJ*	NR	**140 J**	NR	NR	**12 J**	NR	*10 UJ*	NR	*10 UJ*	NR	NR	*10 U*	NR	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	**10 J**	NR	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field pH	000010297	S.U.	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Temperature, F	000000086	Degree F	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		umhos/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		uS/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Dissolved Solids		ug/l	NV	NV	NV	NR	2200000	NR	2500000	NR	NR	2600000	NR	2500000	NR	2200000	NR	NR	2400000	NR	NR
Total Suspended Solids		ug/l	NV	NV	NV	NR	5000 U	NR	5000 U	NR	NR	2000 U	NR	2000 U	NR	2000 U	NR	NR	5000 U	NR	NR
Inorganics																					
Arsenic	7440-38-2	ug/l	10	150	0.052	NR	*10 U*	NR	*10 U*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR	NR	*10 U*	NR	NR
Barium	7440-39-3	ug/l	2000	438	3800	NR	**510**	NR	**490**	NR	NR	**450**	NR	**500**	NR	400	NR	NR	350	NR	NR
Cadmium	7440-43-9	ug/l	5	2.2	9.2	NR	2 U	NR	2 U	NR	NR	2 U	NR	2 U	NR	2 U	NR	NR	2 U	NR	NR
Chromium	7440-47-3	ug/l	100	74	NV	NR	10 U	NR	10 U	NR	NR	10 U	NR	10 U	NR	10 U	NR	NR	10 U	NR	NR
Lead	7439-92-1	ug/l	15	6.4	15	NR	5 U	NR	5 U	NR	NR	5 U	NR	5 U	NR	5 U	NR	NR	5 U	NR	NR
Lithium	7439-93-2	ug/l	NV	14	40	NR	**65**	NR	**60**	NR	NR	**67**	NR	**75**	NR	**69**	NR	NR	**70**	NR	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	NR	0.39	NR	0.34	NR	NR	0.2 U	NR	0.26	NR	0.2	NR	NR	0.24	NR	NR
Selenium	7782-49-2	ug/l	50	4.6	100	NR	*10 U*	NR	*10 U*	NR	NR	*10 U*	NR	*10 U*	NR	*10 U*	NR	NR	*10 U*	NR	NR
Silver	7440-22-4	ug/l	NV	0.12	94	NR	*5 U*	NR	*5 U*	NR	NR	*5 U*	NR	*5 U*	NR	*5 U*	NR	NR	*5 U*	NR	NR
PCBs																					
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NR	0.19 U	NR	*0.41 U*	NR	NR	*0.39 UJ*	NR	*0.39 UJ*	NR	*0.39 U*	NR	NR	*0.39 U*	NR	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NR	*0.19 U*	NR	*0.41 U*	NR	NR	*0.39 U*	NR	*0.39 U*	NR	*0.39 U*	NR	NR	*0.39 U*	NR	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	500-78191-1DL2	500-80271-1	500-80271-1DL	500-81948-1	500-81948-1DL	500-81948-1DL2	500-84033-1	500-84033-1DL	500-84033-4	500-84033-4DL	500-86295-1	500-86295-1DL	500-86295-1DL2	500-87483-1	500-87483-1DL	500-87483-1DL2
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	FD	FD	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	6/4/2014	7/10/2014	7/10/2014	8/7/2014	8/7/2014	8/7/2014	9/12/2014	9/12/2014	9/12/2014	9/12/2014	10/17/2014	10/17/2014	10/17/2014	11/7/2014	11/7/2014	11/7/2014
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NR	*0.19 U*	NR	*0.41 U*	NR	NR	*0.39 U*	NR	*0.39 U*	NR	*0.39 U*	NR	NR	*0.39 U*	NR	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NR	*0.19 U*	NR	*0.41 U*	NR	NR	*0.39 U*	NR	*0.39 U*	NR	*0.39 U*	NR	NR	*0.39 U*	NR	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NR	*0.19 U*	NR	*0.41 U*	NR	NR	*0.39 U*	NR	*0.39 U*	NR	*0.39 U*	NR	NR	*0.39 U*	NR	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NR	*0.19 U*	NR	*0.41 U*	NR	NR	*0.39 U*	NR	*0.39 U*	NR	*0.39 U*	NR	NR	*0.39 U*	NR	NR
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NR	*0.19 UJ*	NR	**1.4 J**	NR	NR	*0.39 UJ*	NR	*0.39 UJ*	NR	*0.39 UJ*	NR	NR	*0.39 U*	NR	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NR	0.19 U	NR	**1.4 J**	NR	NR	0.39 UJ	NR	0.39 UJ	NR	0.39 UJ	NR	NR	0.39 U	NR	NR
VOCs																					
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NR	2 UJ	NR	2 UJ	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NR	*4 UJ*	NR	*4 UJ*	NR	NR	*10 UJ*	NR	*10 UJ*	NR	*10 UJ*	NR	NR	*10 UJ*	NR	NR
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR
2-Butanone	78-93-3	ug/l	NV	14000	5600	NR	10 UJ	NR	10 UJ	NR	NR	25 UJ	NR	25 UJ	NR	25 UJ	NR	NR	25 UJ	NR	NR
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR
2-Hexanone	591-78-6	ug/l	NV	99	38	NR	10 UJ	NR	10 UJ	NR	NR	25 UJ	NR	25 UJ	NR	25 UJ	NR	NR	25 UJ	NR	NR
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NR	*5 UJ*	NR	*5 UJ*	NR	NR	*13 UJ*	NR	*13 UJ*	NR	*13 UJ*	NR	NR	*13 UJ*	NR	NR
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NR	10 UJ	NR	10 UJ	NR	NR	25 UJ	NR	25 UJ	NR	25 UJ	NR	NR	25 UJ	NR	NR
Acetone	67-64-1	ug/l	NV	1700	14000	NR	20 J	NR	28 J	NR	NR	25 UJ	NR	25 UJ	NR	25 UJ	NR	NR	25 UJ	NR	NR
Acetonitrile	75-05-8	ug/l	NV	12000	130	NR	40 UJ	NR	40 UJ	NR	NR	100 UJ	NR	100 UJ	NR	100 UJ	NR	NR	100 UJ	NR	NR
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NR	*200 UJ*	NR	*200 UJ*	NR	NR	*500 UJ*	NR	*500 UJ*	NR	*500 UJ*	NR	NR	*500 UJ*	NR	NR
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NR	*40 UJ*	NR	*40 UJ*	NR	NR	*100 UJ*	NR	*100 UJ*	NR	*100 UJ*	NR	NR	*100 UJ*	NR	NR
Benzene	71-43-2	ug/l	5	98	0.46	NR	NR	**3000**	NR	**2200**	NR	NR	**2100 J**	NR	**1900 J**	NR	**2000**	NR	NR	**1700**	NR
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR
Bromoform	75-25-2	ug/l	80	61	3.3	NR	2 UJ	NR	2 UJ	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR
Bromomethane	74-83-9	ug/l	NV	16	7.5	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR
Carbon disulfide	75-15-0	ug/l	NV	15	810	NR	10 UJ	NR	10 UJ	NR	NR	*25 UJ*	NR	*25 UJ*	NR	*25 UJ*	NR	NR	*25 UJ*	NR	NR
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR
Chlorobenzene	108-90-7	ug/l	100	47	78	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR
Chloroethane	75-00-3	ug/l	NV	NV	21000	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR
Chloroform	67-66-3	ug/l	80	170	0.22	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR
Chloromethane	74-87-3	ug/l	NV	NV	190	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NR	5 UJ	NR	5 UJ	NR	NR	13 UJ	NR	13 UJ	NR	13 UJ	NR	NR	13 UJ	NR	NR
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NR	**22 J**	NR	**22 J**	NR	NR	**27 J**	NR	**23 J**	NR	**28 J**	NR	NR	**21 J**	NR	NR
Iodomethane	74-88-4	ug/l	NV	NV	NV	NR	5 UJ	NR	5 UJ	NR	NR	13 UJ	NR	13 UJ	NR	13 UJ	NR	NR	13 UJ	NR	NR
Isobutanol	78-83-1	ug/l	NV	NV	5900	NR	200 UJ	NR	200 UJ	NR	NR	500 UJ	NR	500 UJ	NR	500 UJ	NR	NR	500 UJ	NR	NR
m&p-Xylene	179601-23-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NR	*5 UJ*	NR	*5 UJ*	NR	NR	*13 UJ*	NR	*13 UJ*	NR	*13 UJ*	NR	NR	*13 UJ*	NR	NR
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NR	5 UJ	NR	5 UJ	NR	NR	13 UJ	NR	13 UJ	NR	13 UJ	NR	NR	13 UJ	NR	NR
Methylene Chloride	75-09-2	ug/l	5	1500	11	NR	*10 UJ*	NR	*10 UJ*	NR	NR	*25 UJ*	NR	*25 UJ*	NR	*25 UJ*	NR	NR	*25 UJ*	NR	NR
o-Xylene	95-47-6	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NR	*20 UJ*	NR	*20 UJ*	NR	NR	*50 UJ*	NR	*50 UJ*	NR	*50 UJ*	NR	NR	*50 UJ*	NR	NR
Propionitrile	107-12-0	ug/l	NV	NV	NV	NR	40 UJ	NR	40 UJ	NR	NR	100 UJ	NR	100 UJ	NR	100 UJ	NR	NR	100 UJ	NR	NR
Styrene	100-42-5	ug/l	100	32	1200	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR
Tetrachloroethene	127-18-4	ug/l	5	60	11	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR
Toluene	108-88-3	ug/l	1000	94	1100	NR	40 J	NR	36 J	NR	NR	39 J	NR	35 J	NR	43 J	NR	NR	30 J	NR	NR
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NR	*2 UJ*	NR	*2 UJ*	NR	NR	*5 UJ*	NR	*5 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NR	*20 UJ*	NR	*20 UJ*	NR	NR	*50 UJ*	NR	*50 UJ*	NR	*50 UJ*	NR	NR	*50 UJ*	NR	NR
Trichloroethene	79-01-6	ug/l	5	260	0.49	NR	*1 UJ*	NR	*1 UJ*	NR	NR	*2.5 UJ*	NR	*2.5 UJ*	NR	*2.5 UJ*	NR	NR	*2.5 UJ*	NR	NR
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NR	2 UJ	NR	2 UJ	NR	NR	5 UJ	NR	5 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR
Vinyl acetate	108-05-4	ug/l	NV	248	410	NR	4 UJ	NR	4 UJ	NR	NR	10 UJ	NR	10 UJ	NR	10 UJ	NR	NR	10 UJ	NR	NR
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NR	*1 UJ*	NR	*1 UJ*	NR	NR	*2.5 UJ*	NR	*2.5 UJ*	NR	*2.5 UJ*	NR	NR	*2.5 UJ*	NR	NR
Xylenes (Total)	1330-20-7	ug/l	10000	35	190	NR	**52 J**	NR	**54 J**	NR	NR	**59 J**	NR	**53 J**	NR	**63 J**	NR	NR	**47 J**	NR	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	500-87483-2DL	500-87483-2DL2	500-89092-1	500-89092-1DL	500-89092-1DL2	500-90991-1	500-90991-1DL	500-92207-1	500-92207-1DL	500-92207-1DL2	1503923-01B_RA	1503923-01C_RA	1503923-01C	1503923-01D_RA	1503923-01E	1503923-01F
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	11/7/2014	11/7/2014	12/8/2014	12/8/2014	12/8/2014	1/19/2015	1/19/2015	2/13/2015	2/13/2015	2/13/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015
SVOCs																					
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NR	NR	*3.8 U*	NR	NR	*19 U*	NR	*3.8 U*	NR	NR	NR	NR	NR	NR	NR	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NR	NR	*1.5 U*	NR	NR	*7.6 U*	NR	*1.5 U*	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NR	NR	1.5 U	NR	NR	7.6 U	NR	1.5 U	NR	NR	NR	NR	NR	NR	NR	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NR	NR	7.7 U	NR	NR	*38 U*	NR	7.6 U	NR	NR	NR	NR	NR	NR	NR	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NR	NR	1.5 U	NR	NR	7.6 U	NR	1.5 U	NR	NR	NR	NR	NR	NR	NR	NR
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NR	NR	*3.8 U*	NR	NR	*19 U*	NR	*3.8 U*	NR	NR	NR	NR	NR	NR	NR	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NR	NR	*1.5 U*	NR	NR	*7.6 U*	NR	*1.5 U*	NR	NR	NR	NR	NR	NR	NR	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NR	NR	*15 U*	NR	NR	*76 U*	NR	*15 U*	NR	NR	NR	NR	NR	NR	NR	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NR	NR	31 U	NR	NR	150 U	NR	31 U	NR	NR	NR	NR	NR	NR	NR	NR
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NR	NR	15 U	NR	NR	76 U	NR	15 U	NR	NR	NR	NR	NR	NR	NR	NR
2,2'-oxybis(2-chloropropane)	39638-32-9	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NR	NR	3.8 U	NR	NR	19 U	NR	3.8 U	NR	NR	NR	NR	NR	NR	NR	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NR	NR	*7.7 U*	NR	NR	*38 U*	NR	*7.6 U*	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NR	NR	*3.8 U*	NR	NR	*19 U*	NR	*3.8 U*	NR	NR	NR	NR	NR	NR	NR	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NR	NR	7.7 U	NR	NR	*38 U*	NR	7.6 U	NR	NR	NR	NR	NR	NR	NR	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NR	NR	**45**	NR	NR	**40**	NR	7.6 U	NR	NR	NR	NR	NR	NR	NR	NR
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NR	NR	15 U	NR	NR	*76 U*	NR	15 U	NR	NR	NR	NR	NR	NR	NR	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NR	NR	*0.77 U*	NR	NR	*3.8 U*	NR	*0.76 U*	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NR	NR	*7.7 U*	NR	NR	*38 U*	NR	*7.6 U*	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NR	NR	*0.38 U*	NR	NR	*1.9 U*	NR	*0.38 U*	NR	NR	NR	NR	NR	NR	NR	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NR	NR	*7.7 U*	NR	NR	*38 U*	NR	*7.6 U*	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NR	NR	*1.5 U*	NR	NR	*7.6 U*	NR	*1.5 U*	NR	NR	NR	NR	NR	NR	NR	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NR	NR	3.8 U	NR	NR	19 U	NR	3.8 U	NR	NR	NR	NR	NR	NR	NR	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	**110 J**	NR	NR	**89**	NR	**84**	NR	NR	**97**	NR	NR	NR	NR	NR	NR	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	NR	NR	1.5 U	NR	NR	13	NR	13	NR	NR	NR	NR	NR	NR	NR	NR
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NR	NR	*15 U*	NR	NR	*76 U*	NR	*15 U*	NR	NR	NR	NR	NR	NR	NR	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NR	NR	3.8 UJ	NR	NR	19 U	NR	3.8 U	NR	NR	NR	NR	NR	NR	NR	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NR	NR	7.7 UJ	NR	NR	38 U	NR	7.6 U	NR	NR	NR	NR	NR	NR	NR	NR
2-Picoline	109-06-8	ug/l	NV	NV	NV	NR	NR	31 U	NR	NR	150 U	NR	31 U	NR	NR	NR	NR	NR	NR	NR	NR
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	NV	7	NV	NR	NR	*7.7 U*	NR	NR	*38 U*	NR	*7.6 U*	NR	NR	NR	NR	NR	NR	NR	NR
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	61	NR	38	NR	NR	42	NR	51	NR	NR	NR	NR	NR	NR	NR	NR
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NR	NR	*3.8 U*	NR	NR	*19 U*	NR	*3.8 U*	NR	NR	NR	NR	NR	NR	NR	NR
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NR	NR	*31 U*	NR	NR	*150 U*	NR	*31 U*	NR	NR	NR	NR	NR	NR	NR	NR
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NR	NR	*7.7 UJ*	NR	NR	*38 U*	NR	*7.6 U*	NR	NR	NR	NR	NR	NR	NR	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NR	NR	7.7 U	NR	NR	38 U	NR	7.6 U	NR	NR	NR	NR	NR	NR	NR	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NR	NR	*15 U*	NR	NR	*76 U*	NR	*15 U*	NR	NR	NR	NR	NR	NR	NR	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NR	NR	*7.7 U*	NR	NR	*38 U*	NR	*7.6 U*	NR	NR	NR	NR	NR	NR	NR	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NR	NR	*3.8 U*	NR	NR	*19 U*	NR	*3.8 U*	NR	NR	NR	NR	NR	NR	NR	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NR	NR	7.7 U	NR	NR	38 U	NR	7.6 U	NR	NR	NR	NR	NR	NR	NR	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NR	NR	*7.7 UJ*	NR	NR	*38 UJ*	NR	*7.6 U*	NR	NR	NR	NR	NR	NR	NR	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NR	NR	3.8 U	NR	NR	19 U	NR	3.8 U	NR	NR	NR	NR	NR	NR	NR	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NR	NR	*7.7 UJ*	NR	NR	*38 U*	NR	*7.6 U*	NR	NR	NR	NR	NR	NR	NR	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NR	NR	15 U	NR	NR	*76 U*	NR	15 U	NR	NR	NR	NR	NR	NR	NR	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NR	NR	31 U	NR	NR	150 U	NR	31 U	NR	NR	NR	NR	NR	NR	NR	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NR	NR	7.7 U	NR	NR	*38 U*	NR	7.6 U	NR	NR	NR	NR	NR	NR	NR	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NR	NR	*31 UJ*	NR	NR	*150 U*	NR	*31 U*	NR	NR	NR	NR	NR	NR	NR	NR
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	**150**	NR	NR	**220**	NR	**180**	NR	NR	**210**	NR	NR	NR	NR	NR	NR	NR
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NR	NR	18	NR	NR	17	NR	17	NR	NR	NR	NR	NR	NR	NR	NR
Acetophenone	98-86-2	ug/l	NV	1550	1900	NR	NR	3.8 U	NR	NR	19 U	NR	3.8 U	NR	NR	NR	NR	NR	NR	NR	NR
Aniline	62-53-3	ug/l	NV	4.1	13	NR	NR	*15 U*	NR	NR	*76 U*	NR	*15 U*	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	NR	NR	**3.8**	NR	NR	*3.8 U*	NR	**4.2**	NR	NR	NR	NR	NR	NR	NR	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	NR	NR	*7.7 U*	NR	NR	*38 U*	NR	*7.6 U*	NR	NR	NR	NR	NR	NR	NR	NR
Aramite Peak 1	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Aramite Peak 2	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NR	NR	*0.15 U*	NR	NR	*0.76 U*	NR	*0.15 U*	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NR	NR	*0.15 UJ*	NR	NR	*0.76 U*	NR	*0.15 U*	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NR	NR	*0.15 UJ*	NR	NR	*0.76 U*	NR	*0.15 U*	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NR	NR	0.77 UJ	NR	NR	3.8 U	NR	0.76 U	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NR	NR	0.15 UJ	NR	NR	*0.76 U*	NR	0.15 U	NR	NR	NR	NR	NR	NR	NR	NR
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	*160 U*	NR	*15 UJ*	NR	NR	*76 U*	NR	*15 U*	NR	NR	NR	NR	NR	NR	NR	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NR	NR	1.5 U	NR	NR	7.6 U	NR	1.5 U	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NR	NR	0 R	NR	NR	7.6 U	NR	1.5 U	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NR	NR	*1.5 U*	NR	NR	*7.6 U*	NR	*1.5 U*	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NR	NR	*7.7 U*	NR	NR	*38 U*	NR	*7.6 U*	NR	NR	NR	NR	NR	NR	NR	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NR	NR	1.5 U	NR	NR	7.6 U	NR	1.5 U	NR	NR	NR	NR	NR	NR	NR	NR
Carbazole	86-74-8	ug/l	NV	NV	NV	100	NR	NR	120	NR	87	NR	NR	72	NR	NR	NR	NR	NR	NR	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NR	NR	*7.7 U*	NR	NR	*38 U*	NR	*7.6 U*	NR	NR	NR	NR	NR	NR	NR	NR
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NR	NR	0.38 U	NR	NR	1.9 U	NR	0.38 U	NR	NR	NR	NR	NR	NR	NR	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	NR	NR	*7.7 U*	NR	NR	*38 U*	NR	*7.6 U*	NR	NR	NR	NR	NR	NR	NR	NR
Diallate Peak 1	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diallate Peak 2	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	500-87483-2DL	500-87483-2DL2	500-89092-1	500-89092-1DL	500-89092-1DL2	500-90991-1	500-90991-1DL	500-92207-1	500-92207-1DL	500-92207-1DL2	1503923-01B_RA	1503923-01C_RA	1503923-01C	1503923-01D_RA	1503923-01E	1503923-01F
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	11/7/2014	11/7/2014	12/8/2014	12/8/2014	12/8/2014	1/19/2015	1/19/2015	2/13/2015	2/13/2015	2/13/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NR	NR	*0.23 UJ*	NR	NR	*1.1 U*	NR	*0.23 U*	NR	NR	NR	NR	NR	NR	NR	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	**89**	NR	NR	**99**	NR	**79**	NR	NR	**89**	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NR	NR	1.5 U	NR	NR	7.6 U	NR	1.5 U	NR	NR	NR	NR	NR	NR	NR	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NR	NR	1.5 U	NR	NR	7.6 U	NR	1.5 U	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NR	NR	3.8 U	NR	NR	*19 U*	NR	3.8 U	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NR	NR	7.7 UJ	NR	NR	*38 U*	NR	7.6 U	NR	NR	NR	NR	NR	NR	NR	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	NR	NR	7.7 U	NR	NR	38 U	NR	7.6 U	NR	NR	NR	NR	NR	NR	NR	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NR	NR	15 U	NR	NR	76 U	NR	15 U	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NR	NR	1.4	NR	NR	*3.8 U*	NR	1.5	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	NR	NR	NR	**79**	NR	**58**	NR	NR	**66**	NR	NR	NR	NR	NR	NR	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NR	NR	*0.38 U*	NR	NR	*1.9 U*	NR	*0.38 U*	NR	NR	NR	NR	NR	NR	NR	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NR	NR	*3.8 U*	NR	NR	*19 U*	NR	*3.8 U*	NR	NR	NR	NR	NR	NR	NR	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NR	NR	*15 UJ*	NR	NR	*76 U*	NR	*15 U*	NR	NR	NR	NR	NR	NR	NR	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NR	NR	*3.8 U*	NR	NR	*19 U*	NR	*3.8 U*	NR	NR	NR	NR	NR	NR	NR	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NR	NR	*61 UJ*	NR	NR	*300 U*	NR	*61 U*	NR	NR	NR	NR	NR	NR	NR	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NR	NR	15 U	NR	NR	76 U	NR	15 U	NR	NR	NR	NR	NR	NR	NR	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NR	NR	*0.15 UJ*	NR	NR	*0.76 U*	NR	*0.15 U*	NR	NR	NR	NR	NR	NR	NR	NR
Isophorone	78-59-1	ug/l	NV	830	78	NR	NR	1.5 U	NR	NR	7.6 U	NR	1.5 U	NR	NR	NR	NR	NR	NR	NR	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	NR	NR	7.7 U	NR	NR	38 U	NR	7.6 U	NR	NR	NR	NR	NR	NR	NR	NR
Isosafrole Peak 1	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Isosafrole Peak 2	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NR	NR	31 U	NR	NR	150 U	NR	31 U	NR	NR	NR	NR	NR	NR	NR	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NR	NR	*31 U*	NR	NR	*150 U*	NR	*31 U*	NR	NR	NR	NR	NR	NR	NR	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	NR	**680**	NR	NR	**1200**	NR	**1300**	NR	NR	**1200**	NR	NR	NR	NR	NR	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NR	NR	*0.77 U*	NR	NR	*3.8 U*	NR	*0.76 U*	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NR	NR	*15 U*	NR	NR	*76 U*	NR	*15 U*	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NR	NR	*7.7 U*	NR	NR	*38 U*	NR	*7.6 U*	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NR	NR	*7.7 U*	NR	NR	*38 U*	NR	*7.6 U*	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NR	NR	*0.38 U*	NR	NR	*1.9 U*	NR	*0.38 U*	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NR	NR	0.77 U	NR	NR	3.8 U	NR	0.76 U	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NR	NR	*15 U*	NR	NR	*76 U*	NR	*15 U*	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NR	NR	*15 U*	NR	NR	*76 U*	NR	*15 U*	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NR	NR	7.7 U	NR	NR	38 U	NR	7.6 U	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NR	NR	*7.7 U*	NR	NR	*38 U*	NR	*7.6 U*	NR	NR	NR	NR	NR	NR	NR	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NR	NR	31 U	NR	NR	150 U	NR	31 U	NR	NR	NR	NR	NR	NR	NR	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NR	NR	*7.7 U*	NR	NR	*38 U*	NR	*7.6 U*	NR	NR	NR	NR	NR	NR	NR	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NR	NR	*7.7 U*	NR	NR	*38 U*	NR	*7.6 U*	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloroethane	76-01-7	ug/L	NV	56.4	0.65	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NR	NR	*7.7 U*	NR	NR	*38 U*	NR	*7.6 U*	NR	NR	NR	NR	NR	NR	NR	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NR	NR	*15 U*	NR	NR	*76 U*	NR	*15 U*	NR	NR	NR	NR	NR	NR	NR	NR
Phenacetin	62-44-2	ug/l	NV	NV	34	NR	NR	7.7 U	NR	NR	*38 U*	NR	7.6 U	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NR	NR	**18**	NR	NR	**15**	NR	**19**	NR	NR	NR	NR	NR	NR	NR	NR
Phenol	108-95-2	ug/l	NV	180	5800	110	NR	NR	60	NR	59	NR	NR	69	NR	NR	NR	NR	NR	NR	NR
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pronamide	23950-59-5	ug/l	NV	NV	NV	NR	NR	7.7 U	NR	NR	38 U	NR	7.6 U	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	NR	NR	**0.81**	NR	NR	*3.8 U*	NR	*0.76 U*	NR	NR	NR	NR	NR	NR	NR	NR
Pyridine	110-86-1	ug/l	NV	NV	20	NR	NR	15 UJ	NR	NR	*76 U*	NR	15 U	NR	NR	NR	NR	NR	NR	NR	NR
Quinoline	91-22-5	ug/l	NV	NV	0.024	NR	NR	*31 U*	NR	NR	*150 U*	NR	*31 U*	NR	NR	NR	NR	NR	NR	NR	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NR	NR	*7.7 U*	NR	NR	*38 U*	NR	*7.6 U*	NR	NR	NR	NR	NR	NR	NR	NR
General Chemistry																					
Ammonia as N	7664-41-7	ug/l	NV	150	NV	NR	NR	**10000**	NR	NR	**8400**	NR	**8400**	NR	NR	NR	NR	NR	**7700**	NR	NR
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	NR	NR	**84 J**	NR	NR	**10 J**	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	NR	NR	**39 J**	NR	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field pH	000010297	S.U.	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Temperature, F	000000086	Degree F	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		umhos/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		uS/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Dissolved Solids		ug/l	NV	NV	NV	NR	NR	2200000	NR	NR	2200000	NR	2200000	NR	NR	NR	NR	NR	NR	1800000	NR
Total Suspended Solids		ug/l	NV	NV	NV	NR	NR	2400	NR	NR	2000 U	NR	2000 U	NR	NR	NR	NR	NR	NR	NR	1200 U
Inorganics																					
Arsenic	7440-38-2	ug/l	10	150	0.052	NR	NR	*10 U*	NR	NR	*10 U*	NR	*10 U*	NR	NR	NR	NR	**0.77**	NR	NR	NR
Barium	7440-39-3	ug/l	2000	438	3800	NR	NR	370	NR	NR	350	NR	400	NR	NR	NR	NR	360	NR	NR	NR
Cadmium	7440-43-9	ug/l	5	2.2	9.2	NR	NR	2 U	NR	NR	2 U	NR	2 U	NR	NR	NR	NR	2 U	NR	NR	NR
Chromium	7440-47-3	ug/l	100	74	NV	NR	NR	10 U	NR	NR	10 U	NR	10 U	NR	NR	NR	NR	5 U	NR	NR	NR
Lead	7439-92-1	ug/l	15	6.4	15	NR	NR	5 U	NR	NR	5 U	NR	5 U	NR	NR	NR	NR	5 U	NR	NR	NR
Lithium	7439-93-2	ug/l	NV	14	40	NR	NR	**64**	NR	NR	**59**	NR	**73**	NR	NR	NR	NR	**55**	NR	NR	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	NR	NR	0.24	NR	NR	0.2 U	NR	0.2 U	NR	NR	NR	NR	NR	0.2 U	NR	NR
Selenium	7782-49-2	ug/l	50	4.6	100	NR	NR	*10 U*	NR	NR	*10 U*	NR	*10 U*	NR	NR	NR	NR	1.4	NR	NR	NR
Silver	7440-22-4	ug/l	NV	0.12	94	NR	NR	*5 U*	NR	NR	*5 U*	NR	*5 U*	NR	NR	NR	NR	*5 U*	NR	NR	NR
PCBs																					
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NR	NR	*0.38 U*	NR	NR	*0.37 UJ*	NR	*0.39 UJ*	NR	NR	NR	NR	NR	NR	NR	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NR	NR	*0.38 U*	NR	NR	*0.37 U*	NR	*0.39 U*	NR	NR	NR	NR	NR	NR	NR	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	500-87483-2DL	500-87483-2DL2	500-89092-1	500-89092-1DL	500-89092-1DL2	500-90991-1	500-90991-1DL	500-92207-1	500-92207-1DL	500-92207-1DL2	1503923-01B_RA	1503923-01C_RA	1503923-01C	1503923-01D_RA	1503923-01E	1503923-01F
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	11/7/2014	11/7/2014	12/8/2014	12/8/2014	12/8/2014	1/19/2015	1/19/2015	2/13/2015	2/13/2015	2/13/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NR	NR	*0.38 U*	NR	NR	*0.37 U*	NR	*0.39 U*	NR	NR	NR	NR	NR	NR	NR	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NR	NR	*0.38 U*	NR	NR	*0.37 U*	NR	*0.39 U*	NR	NR	NR	NR	NR	NR	NR	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NR	NR	*0.38 U*	NR	NR	*0.37 U*	NR	*0.39 U*	NR	NR	NR	NR	NR	NR	NR	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NR	NR	*0.38 U*	NR	NR	*0.37 U*	NR	*0.39 U*	NR	NR	NR	NR	NR	NR	NR	NR
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NR	NR	*0.38 U*	NR	NR	*0.37 U*	NR	*0.39 U*	NR	NR	NR	NR	NR	NR	NR	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NR	NR	0.38 U	NR	NR	0.37 U	NR	0.39 U	NR	NR	NR	NR	NR	NR	NR	NR
VOCs																					
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NR	NR	*2 UJ*	NR	NR	*2 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NR	NR	2 UJ	NR	NR	2 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR	NR	NR	NR
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NR	NR	*2 UJ*	NR	NR	*2 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NR	NR	*2 UJ*	NR	NR	*2 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NR	NR	2 UJ	NR	NR	2 UJ	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NR	NR	2 UJ	NR	NR	2 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR	NR	NR	NR
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NR	NR	*2 UJ*	NR	NR	*2 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NR	NR	*4 UJ*	NR	NR	*4 UJ*	NR	*10 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NR	NR	*2 UJ*	NR	NR	*2 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NR	NR	*2 UJ*	NR	NR	*2 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NR	NR	*2 UJ*	NR	NR	*2 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
2-Butanone	78-93-3	ug/l	NV	14000	5600	NR	NR	10 UJ	NR	NR	10 U	NR	25 UJ	NR	NR	25 UJ	NR	NR	NR	NR	NR
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NR	NR	*2 UJ*	NR	NR	*2 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
2-Hexanone	591-78-6	ug/l	NV	99	38	NR	NR	10 UJ	NR	NR	10 U	NR	25 UJ	NR	NR	5 UJ	NR	NR	NR	NR	NR
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NR	NR	*5 UJ*	NR	NR	*5 U*	NR	*13 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NR	NR	10 UJ	NR	NR	10 U	NR	25 UJ	NR	NR	5 UJ	NR	NR	NR	NR	NR
Acetone	67-64-1	ug/l	NV	1700	14000	NR	NR	48 UJ	NR	NR	74	NR	27 J	NR	NR	26 J	NR	NR	NR	NR	NR
Acetonitrile	75-05-8	ug/l	NV	12000	130	NR	NR	20 UJ	NR	NR	20 U	NR	50 UJ	NR	NR	5 UJ	NR	NR	NR	NR	NR
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NR	NR	*200 UJ*	NR	NR	*200 U*	NR	*500 UJ*	NR	NR	*50 UJ*	NR	NR	NR	NR	NR
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NR	NR	*40 UJ*	NR	NR	*40 U*	NR	*100 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
Benzene	71-43-2	ug/l	5	98	0.46	NR	NR	NR	**1700**	NR	NR	**1000**	**980 J**	NR	NR	**970 J**	NR	NR	NR	NR	NR
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NR	NR	*2 UJ*	NR	NR	*2 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
Bromoform	75-25-2	ug/l	80	61	3.3	NR	NR	2 UJ	NR	NR	2 UJ	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
Bromomethane	74-83-9	ug/l	NV	16	7.5	NR	NR	2 UJ	NR	NR	2 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR	NR	NR	NR
Carbon disulfide	75-15-0	ug/l	NV	15	810	NR	NR	10 UJ	NR	NR	10 U	NR	*25 UJ*	NR	NR	5 UJ	NR	NR	NR	NR	NR
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NR	NR	*2 UJ*	NR	NR	*2 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
Chlorobenzene	108-90-7	ug/l	100	47	78	NR	NR	2 UJ	NR	NR	2 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR	NR	NR	NR
Chloroethane	75-00-3	ug/l	NV	NV	21000	NR	NR	2 UJ	NR	NR	2 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR	NR	NR	NR
Chloroform	67-66-3	ug/l	80	170	0.22	NR	NR	*2 UJ*	NR	NR	*2 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
Chloromethane	74-87-3	ug/l	NV	NV	190	NR	NR	2 UJ	NR	NR	2 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR	NR	NR	NR
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NR	NR	*2 UJ*	NR	NR	*2 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NR	NR	*2 UJ*	NR	NR	*2 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NR	NR	2 UJ	NR	NR	2 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR	NR	NR	NR
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NR	NR	2 UJ	NR	NR	2 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR	NR	NR	NR
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NR	NR	5 UJ	NR	NR	5 U	NR	13 UJ	NR	NR	5 UJ	NR	NR	NR	NR	NR
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NR	NR	*13 UJ*	NR	NR	**11**	NR	**12 J**	NR	NR	**12 J**	NR	NR	NR	NR	NR
Iodomethane	74-88-4	ug/l	NV	NV	NV	NR	NR	5 UJ	NR	NR	5 U	NR	13 UJ	NR	NR	5 UJ	NR	NR	NR	NR	NR
Isobutanol	78-83-1	ug/l	NV	NV	5900	NR	NR	200 UJ	NR	NR	200 U	NR	500 UJ	NR	NR	5 UJ	NR	NR	NR	NR	NR
m&p-Xylene	179601-23-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	19 J	NR	NR	NR	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NR	NR	*20 UJ*	NR	NR	*20 U*	NR	*50 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NR	NR	5 UJ	NR	NR	5 U	NR	13 UJ	NR	NR	5 UJ	NR	NR	NR	NR	NR
Methylene Chloride	75-09-2	ug/l	5	1500	11	NR	NR	*10 UJ*	NR	NR	*10 U*	NR	*25 UJ*	NR	NR	*25 UJ*	NR	NR	NR	NR	NR
o-Xylene	95-47-6	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	9.8 J	NR	NR	NR	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NR	NR	*4 UJ*	NR	NR	*4 UJ*	NR	*10 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
Propionitrile	107-12-0	ug/l	NV	NV	NV	NR	NR	20 UJ	NR	NR	20 U	NR	50 UJ	NR	NR	50 UJ	NR	NR	NR	NR	NR
Styrene	100-42-5	ug/l	100	32	1200	NR	NR	2 UJ	NR	NR	2 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR	NR	NR	NR
Tetrachloroethene	127-18-4	ug/l	5	60	11	NR	NR	2 UJ	NR	NR	2 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR	NR	NR	NR
Toluene	108-88-3	ug/l	1000	94	1100	NR	NR	20 UJ	NR	NR	17	NR	19 J	NR	NR	18 J	NR	NR	NR	NR	NR
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NR	NR	2 UJ	NR	NR	2 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR	NR	NR	NR
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NR	NR	*2 UJ*	NR	NR	*2 UJ*	NR	*5 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NR	NR	*20 UJ*	NR	NR	*20 U*	NR	*50 UJ*	NR	NR	*10 UJ*	NR	NR	NR	NR	NR
Trichloroethene	79-01-6	ug/l	5	260	0.49	NR	NR	*1 UJ*	NR	NR	*1 UJ*	NR	*2.5 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NR	NR	2 UJ	NR	NR	2 UJ	NR	5 UJ	NR	NR	5 UJ	NR	NR	NR	NR	NR
Vinyl acetate	108-05-4	ug/l	NV	248	410	NR	NR	4 UJ	NR	NR	4 UJ	NR	10 UJ	NR	NR	5 UJ	NR	NR	NR	NR	NR
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NR	NR	*1 UJ*	NR	NR	*1 UJ*	NR	*2.5 UJ*	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
Xylenes (Total)	1330-20-7	ug/l	10000	35	190	NR	NR	28 UJ	NR	NR	29	NR	31 J	NR	NR	29 J	NR	NR	NR	NR	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	1503923-01G	1503923-04A_RA	1503923-04A	1504456-01A_RA	1504456-01A	1504456-01B_RA	1504456-01C_RA	1504456-01C	1504456-01D_RA	1504456-01E	1504456-01F	1504456-01G	15051319-01A_RA	15051319-01A	15051319-01B_RA	15051319-01C
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	3/16/2015	3/18/2015	3/18/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	5/22/2015	5/22/2015	5/22/2015	5/22/2015
SVOCs																					
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NR	*10 UJ*	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*10 U*	NR	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NR	10 UJ	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	10 U	NR	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NR	10 UJ	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	10 U	NR	NR
2,2'-oxybis(2-chloropropane)	39638-32-9	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NR	**31 J**	NR	**36**	NR	NR	NR	NR	NR	NR	NR	NR	NR	**52**	NR	NR
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NR	**76 J**	NR	**88 J**	NR	NR	NR	NR	NR	NR	NR	NR	**94 J**	NR	NR	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	NR	11 J	NR	11	NR	NR	NR	NR	NR	NR	NR	NR	NR	14	NR	NR
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NR	*10 UJ*	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*10 U*	NR	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
2-Picoline	109-06-8	ug/l	NV	NV	NV	NR	3.7 J	NR	4 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	4.1 J	NR	NR
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NR	35 J	NR	40	NR	NR	NR	NR	NR	NR	NR	NR	NR	52	NR	NR
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NR	*20 UJ*	NR	*20 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*20 U*	NR	NR
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NR	*10 UJ*	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*10 U*	NR	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NR	10 UJ	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	10 U	NR	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	NR	**190 J**	NR	**190**	NR	NR	NR	NR	NR	NR	NR	NR	**200**	NR	NR	NR
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NR	16 J	NR	14	NR	NR	NR	NR	NR	NR	NR	NR	NR	17	NR	NR
Acetophenone	98-86-2	ug/l	NV	1550	1900	NR	1 UJ	NR	3.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	1 U	NR	NR
Aniline	62-53-3	ug/l	NV	4.1	13	NR	2.9 J	NR	**5.2**	NR	NR	NR	NR	NR	NR	NR	NR	NR	3.6 J	NR	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	NR	**3.6 J**	NR	**3.1 J**	NR	NR	NR	NR	NR	NR	NR	NR	NR	**3.3 J**	NR	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Aramite Peak 1	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Aramite Peak 2	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	**4.8 J**	NR	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Carbazole	86-74-8	ug/l	NV	NV	NV	NR	63 J	NR	42	NR	NR	NR	NR	NR	NR	NR	NR	64 J	NR	NR	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Diallate Peak 1	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diallate Peak 2	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	1503923-01G	1503923-04A_RA	1503923-04A	1504456-01A_RA	1504456-01A	1504456-01B_RA	1504456-01C_RA	1504456-01C	1504456-01D_RA	1504456-01E	1504456-01F	1504456-01G	15051319-01A_RA	15051319-01A	15051319-01B_RA	15051319-01C
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	3/16/2015	3/18/2015	3/18/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	5/22/2015	5/22/2015	5/22/2015	5/22/2015
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NR	**82 J**	NR	**82 J**	NR	NR	NR	NR	NR	NR	NR	NR	**81 J**	NR	NR	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NR	1.4 J	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.2 J	NR	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	NR	**60 J**	NR	**51**	NR	NR	NR	NR	NR	NR	NR	NR	NR	**60**	NR	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NR	*40 UJ*	NR	*40 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*40 U*	NR	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NR	10 UJ	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	10 U	NR	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Isophorone	78-59-1	ug/l	NV	830	78	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	NR	10 UJ	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	10 U	NR	NR
Isosafrole Peak 1	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Isosafrole Peak 2	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NR	10 UJ	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	10 U	NR	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NR	*10 UJ*	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*10 U*	NR	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	NR	**1100 J**	NR	**1000**	NR	NR	NR	NR	NR	NR	NR	NR	**1100**	NR	NR	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NR	10 UJ	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	10 U	NR	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NR	*20 UJ*	NR	*20 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*20 U*	NR	NR
Pentachloroethane	76-01-7	ug/L	NV	56.4	0.65	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NR	*10 UJ*	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*10 U*	NR	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NR	*5 UJ*	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Phenacetin	62-44-2	ug/l	NV	NV	34	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NR	**18 J**	NR	**13**	NR	NR	NR	NR	NR	NR	NR	NR	NR	**16**	NR	NR
Phenol	108-95-2	ug/l	NV	180	5800	NR	43 J	NR	44	NR	NR	NR	NR	NR	NR	NR	NR	NR	55	NR	NR
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pronamide	23950-59-5	ug/l	NV	NV	NV	NR	5 UJ	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	NR	**0.8 J**	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	**0.66 J**	NR	NR
Pyridine	110-86-1	ug/l	NV	NV	20	NR	10 UJ	NR	10 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	10 U	NR	NR
Quinoline	91-22-5	ug/l	NV	NV	0.024	NR	NR	0 UJX	NR	0 UX	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NR	*10 UJ*	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	*10 U*	NR	NR
General Chemistry																					
Ammonia as N	7664-41-7	ug/l	NV	150	NV	NR	NR	NR	NR	NR	NR	NR	NR	**8900**	NR	NR	NR	NR	NR	NR	NR
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	**10**	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field pH	000010297	S.U.	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Temperature, F	000000086	Degree F	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		umhos/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		uS/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Dissolved Solids		ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	1900000	NR	NR	NR	NR	NR	NR
Total Suspended Solids		ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	2200	NR	NR	NR	NR	NR
Inorganics																					
Arsenic	7440-38-2	ug/l	10	150	0.052	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*
Barium	7440-39-3	ug/l	2000	438	3800	NR	NR	NR	NR	NR	NR	NR	390	NR	NR	NR	NR	NR	NR	NR	**470**
Cadmium	7440-43-9	ug/l	5	2.2	9.2	NR	NR	NR	NR	NR	NR	NR	2 U	NR	NR	NR	NR	NR	NR	NR	0.07 J
Chromium	7440-47-3	ug/l	100	74	NV	NR	NR	NR	NR	NR	NR	NR	0.36 J	NR	NR	NR	NR	NR	NR	NR	0.16 J
Lead	7439-92-1	ug/l	15	6.4	15	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U
Lithium	7439-93-2	ug/l	NV	14	40	NR	NR	NR	NR	NR	NR	NR	**48**	NR	NR	NR	NR	NR	NR	NR	**67**
Mercury	7439-97-6	ug/l	2	0.77	0.63	NR	NR	NR	NR	NR	NR	NR	0.2 U	NR	NR	NR	NR	NR	NR	NR	0.2 U
Selenium	7782-49-2	ug/l	50	4.6	100	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*
Silver	7440-22-4	ug/l	NV	0.12	94	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*
PCBs																					
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NR	NR	0.2 U	NR	0.2 U	NR	NR	NR	NR	NR	NR	NR	NR	0.2 U	NR	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NR	NR	*0.2 U*	NR	*0.2 U*	NR	NR	NR	NR	NR	NR	NR	NR	*0.2 U*	NR	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	1503923-01G	1503923-04A_RA	1503923-04A	1504456-01A_RA	1504456-01A	1504456-01B_RA	1504456-01C_RA	1504456-01C	1504456-01D_RA	1504456-01E	1504456-01F	1504456-01G	15051319-01A_RA	15051319-01A	15051319-01B_RA	15051319-01C
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	3/16/2015	3/18/2015	3/18/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	5/22/2015	5/22/2015	5/22/2015	5/22/2015
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NR	NR	*0.2 U*	NR	*0.2 U*	NR	NR	NR	NR	NR	NR	NR	NR	*0.2 U*	NR	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NR	NR	*0.2 U*	NR	*0.2 U*	NR	NR	NR	NR	NR	NR	NR	NR	*0.2 U*	NR	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NR	NR	*0.2 U*	NR	*0.2 U*	NR	NR	NR	NR	NR	NR	NR	NR	*0.2 U*	NR	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NR	NR	*0.2 U*	NR	*0.2 U*	NR	NR	NR	NR	NR	NR	NR	NR	*0.2 U*	NR	NR
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NR	NR	*0.2 U*	NR	*0.2 U*	NR	NR	NR	NR	NR	NR	NR	NR	*0.2 U*	NR	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NR	NR	0.2 U	NR	0.2 U	NR	NR	NR	NR	NR	NR	NR	NR	0.2 U	NR	NR
VOCs																					
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 UJ*	NR
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
2-Butanone	78-93-3	ug/l	NV	14000	5600	NR	NR	NR	NR	NR	25 U	NR	NR	NR	NR	NR	NR	NR	NR	11 J	NR
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
2-Hexanone	591-78-6	ug/l	NV	99	38	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR
Acetone	67-64-1	ug/l	NV	1700	14000	NR	NR	NR	NR	NR	50 U	NR	NR	NR	NR	NR	NR	NR	NR	20 J	NR
Acetonitrile	75-05-8	ug/l	NV	12000	130	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NR	NR	NR	NR	NR	*50 U*	NR	NR	NR	NR	NR	NR	NR	NR	*50 U*	NR
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
Benzene	71-43-2	ug/l	5	98	0.46	NR	NR	NR	NR	NR	**1500**	NR	NR	NR	NR	NR	NR	NR	NR	**5.5**	NR
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
Bromoform	75-25-2	ug/l	80	61	3.3	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
Bromomethane	74-83-9	ug/l	NV	16	7.5	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR
Carbon disulfide	75-15-0	ug/l	NV	15	810	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
Chlorobenzene	108-90-7	ug/l	100	47	78	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR
Chloroethane	75-00-3	ug/l	NV	NV	21000	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR
Chloroform	67-66-3	ug/l	80	170	0.22	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
Chloromethane	74-87-3	ug/l	NV	NV	190	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NR	NR	NR	NR	NR	**18**	NR	NR	NR	NR	NR	NR	NR	NR	**2.1 J**	NR
Iodomethane	74-88-4	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR
Isobutanol	78-83-1	ug/l	NV	NV	5900	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR
m&p-Xylene	179601-23-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	33	NR	NR	NR	NR	NR	NR	NR	NR	7.4 J	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR
Methylene Chloride	75-09-2	ug/l	5	1500	11	NR	NR	NR	NR	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR	NR	*25 U*	NR
o-Xylene	95-47-6	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	16	NR	NR	NR	NR	NR	NR	NR	NR	2.5 J	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
Propionitrile	107-12-0	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	50 U	NR	NR	NR	NR	NR	NR	NR	NR	50 U	NR
Styrene	100-42-5	ug/l	100	32	1200	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR
Tetrachloroethene	127-18-4	ug/l	5	60	11	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR
Toluene	108-88-3	ug/l	1000	94	1100	NR	NR	NR	NR	NR	22	NR	NR	NR	NR	NR	NR	NR	NR	2.4 J	NR
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NR	NR	NR	NR	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR	*10 U*	NR
Trichloroethene	79-01-6	ug/l	5	260	0.49	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR
Vinyl acetate	108-05-4	ug/l	NV	248	410	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
Xylenes (Total)	1330-20-7	ug/l	10000	35	190	NR	NR	NR	NR	NR	**48**	NR	NR	NR	NR	NR	NR	NR	NR	9.8 J	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	15051319-01D_RA	15051319-01E	15051319-01F	15051319-01G	15061502-01A_RA	15061502-01A	15061502-01B_RA	15061502-01B	15061502-01C	15061502-01D	15061502-01E	15061502-01F	15061502-04A	15071276-01A_RA	15071276-01A	15071276-01B_RA
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	5/22/2015	5/22/2015	5/22/2015	5/22/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/25/2015	7/22/2015	7/22/2015	7/22/2015
SVOCs																					
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NR	NR	NR	NR	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	*10 U*	NR	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NR	NR	NR	NR	NR	10 U	NR	NR	NR	NR	NR	NR	NR	10 U	NR	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	10 U	NR	NR	NR	NR	NR	NR	NR	10 U	NR	NR
2,2'-oxybis(2-chloropropane)	39638-32-9	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NR	NR	NR	NR	**46 J**	NR	NR	NR	NR	NR	NR	NR	NR	**46**	NR	NR
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NR	NR	NR	NR	**120**	NR	NR	NR	NR	NR	NR	NR	NR	**140**	NR	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	NR	NR	NR	NR	NR	18	NR	NR	NR	NR	NR	NR	NR	15	NR	NR
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NR	NR	NR	NR	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	*10 U*	NR	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
2-Picoline	109-06-8	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	4.8 J	NR	NR	NR	NR	NR	NR	NR	10 U	NR	NR
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NR	NR	NR	NR	52 J	NR	NR	NR	NR	NR	NR	NR	NR	46	NR	NR
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	0 R	NR	NR
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NR	NR	NR	NR	NR	*20 U*	NR	NR	NR	NR	NR	NR	NR	*20 U*	NR	NR
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NR	NR	NR	NR	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	*10 U*	NR	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	10 U	NR	NR	NR	NR	NR	NR	NR	10 U	NR	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	NR	NR	NR	NR	**280**	NR	NR	NR	NR	NR	NR	NR	NR	**270**	NR	NR
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NR	NR	NR	NR	NR	16	NR	NR	NR	NR	NR	NR	NR	16	NR	NR
Acetophenone	98-86-2	ug/l	NV	1550	1900	NR	NR	NR	NR	NR	1 U	NR	NR	NR	NR	NR	NR	NR	1 U	NR	NR
Aniline	62-53-3	ug/l	NV	4.1	13	NR	NR	NR	NR	NR	2.6 J	NR	NR	NR	NR	NR	NR	NR	2.3 J	NR	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	NR	NR	NR	NR	NR	**5.4**	NR	NR	NR	NR	NR	NR	NR	**5.8**	NR	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Aramite Peak 1	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Aramite Peak 2	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NR	NR	NR	NR	NR	1.9 J	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Carbazole	86-74-8	ug/l	NV	NV	NV	NR	NR	NR	NR	100 J	NR	NR	NR	NR	NR	NR	NR	NR	100	NR	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Diallate Peak 1	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diallate Peak 2	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	15051319-01D_RA	15051319-01E	15051319-01F	15051319-01G	15061502-01A_RA	15061502-01A	15061502-01B_RA	15061502-01B	15061502-01C	15061502-01D	15061502-01E	15061502-01F	15061502-04A	15071276-01A_RA	15071276-01A	15071276-01B_RA
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	5/22/2015	5/22/2015	5/22/2015	5/22/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/25/2015	7/22/2015	7/22/2015	7/22/2015
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NR	NR	NR	NR	**120**	NR	NR	NR	NR	NR	NR	NR	NR	**120**	NR	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NR	NR	NR	NR	NR	**3.7 J**	NR	NR	NR	NR	NR	NR	NR	3.6 J	NR	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	NR	NR	NR	NR	**95 J**	NR	NR	NR	NR	NR	NR	NR	NR	**98**	NR	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NR	NR	NR	NR	NR	*100 U*	NR	NR	NR	NR	NR	NR	NR	*40 U*	NR	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	10 U	NR	NR	NR	NR	NR	NR	NR	10 U	NR	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Isophorone	78-59-1	ug/l	NV	830	78	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	10 U	NR	NR	NR	NR	NR	NR	NR	10 U	NR	NR
Isosafrole Peak 1	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Isosafrole Peak 2	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	10 U	NR	NR	NR	NR	NR	NR	NR	10 U	NR	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NR	NR	NR	NR	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	*10 U*	NR	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	NR	NR	NR	NR	**1300**	NR	NR	NR	NR	NR	NR	NR	NR	**1300**	NR	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	10 U	NR	NR	NR	NR	NR	NR	NR	10 U	NR	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NR	NR	NR	NR	NR	*20 U*	NR	NR	NR	NR	NR	NR	NR	*20 U*	NR	NR
Pentachloroethane	76-01-7	ug/L	NV	56.4	0.65	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NR	NR	NR	NR	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	*10 U*	NR	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Phenacetin	62-44-2	ug/l	NV	NV	34	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NR	NR	NR	NR	NR	**32**	NR	NR	NR	NR	NR	NR	NR	**35**	NR	NR
Phenol	108-95-2	ug/l	NV	180	5800	NR	NR	NR	NR	NR	48	NR	NR	NR	NR	NR	NR	NR	52	NR	NR
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pronamide	23950-59-5	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	NR	NR	NR	NR	NR	**1.4 J**	NR	NR	NR	NR	NR	NR	NR	**1.7 J**	NR	NR
Pyridine	110-86-1	ug/l	NV	NV	20	NR	NR	NR	NR	NR	10 U	NR	NR	NR	NR	NR	NR	NR	10 U	NR	NR
Quinoline	91-22-5	ug/l	NV	NV	0.024	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NR	NR	NR	NR	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	*10 U*	NR	NR
General Chemistry																					
Ammonia as N	7664-41-7	ug/l	NV	150	NV	**8100**	NR	NR	NR	NR	NR	NR	NR	NR	**12000**	NR	NR	NR	NR	NR	NR
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field pH	000010297	S.U.	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Temperature, F	000000086	Degree F	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		umhos/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		uS/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Dissolved Solids		ug/l	NV	NV	NV	NR	2000000	NR	NR	NR	NR	NR	NR	NR	NR	1800000	NR	NR	NR	NR	NR
Total Suspended Solids		ug/l	NV	NV	NV	NR	NR	2500 J	NR	NR	NR	NR	NR	NR	NR	NR	2900 U	NR	NR	NR	NR
Inorganics																					
Arsenic	7440-38-2	ug/l	10	150	0.052	NR	NR	NR	NR	NR	NR	NR	NR	**1.1 J**	NR	NR	NR	NR	NR	NR	NR
Barium	7440-39-3	ug/l	2000	438	3800	NR	NR	NR	NR	NR	NR	NR	NR	350	NR	NR	NR	NR	NR	NR	NR
Cadmium	7440-43-9	ug/l	5	2.2	9.2	NR	NR	NR	NR	NR	NR	NR	NR	2 U	NR	NR	NR	NR	NR	NR	NR
Chromium	7440-47-3	ug/l	100	74	NV	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
Lead	7439-92-1	ug/l	15	6.4	15	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
Lithium	7439-93-2	ug/l	NV	14	40	NR	NR	NR	NR	NR	NR	NR	NR	**50**	NR	NR	NR	NR	NR	NR	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	NR	NR	NR	NR	NR	NR	NR	NR	0.2 U	NR	NR	NR	NR	NR	NR	NR
Selenium	7782-49-2	ug/l	50	4.6	100	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
Silver	7440-22-4	ug/l	NV	0.12	94	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
PCBs																					
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NR	NR	NR	NR	NR	0.2 U	NR	NR	NR	NR	NR	NR	NR	NR	0.2 U	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NR	NR	NR	NR	NR	*0.2 U*	NR	NR	NR	NR	NR	NR	NR	NR	*0.2 U*	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	15051319-01D_RA	15051319-01E	15051319-01F	15051319-01G	15061502-01A_RA	15061502-01A	15061502-01B_RA	15061502-01B	15061502-01C	15061502-01D	15061502-01E	15061502-01F	15061502-04A	15071276-01A_RA	15071276-01A	15071276-01B_RA
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	5/22/2015	5/22/2015	5/22/2015	5/22/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/25/2015	7/22/2015	7/22/2015	7/22/2015
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NR	NR	NR	NR	NR	0.2 U	NR	NR	NR	NR	NR	NR	NR	NR	0.2 U	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NR	NR	NR	NR	NR	0.2 U	NR	NR	NR	NR	NR	NR	NR	NR	0.2 U	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NR	NR	NR	NR	NR	0.2 U	NR	NR	NR	NR	NR	NR	NR	NR	0.2 U	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NR	NR	NR	NR	NR	0.2 U	NR	NR	NR	NR	NR	NR	NR	NR	0.2 U	NR
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NR	NR	NR	NR	NR	0.2 U	NR	NR	NR	NR	NR	NR	NR	NR	0.2 U	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NR	NR	NR	NR	NR	0.2 U	NR	NR	NR	NR	NR	NR	NR	NR	0.2 U	NR
VOCs																					
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
2-Butanone	78-93-3	ug/l	NV	14000	5600	NR	NR	NR	NR	NR	NR	NR	25 U	NR	NR	NR	NR	NR	NR	NR	25 UJ
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
2-Hexanone	591-78-6	ug/l	NV	99	38	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Acetone	67-64-1	ug/l	NV	1700	14000	NR	NR	NR	NR	NR	NR	NR	50 U	NR	NR	NR	NR	NR	NR	NR	50 UJ
Acetonitrile	75-05-8	ug/l	NV	12000	130	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NR	NR	NR	NR	NR	NR	NR	50 U	NR	NR	NR	NR	NR	NR	NR	50 UJ
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Benzene	71-43-2	ug/l	5	98	0.46	NR	NR	NR	NR	NR	NR	**2000**	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Bromoform	75-25-2	ug/l	80	61	3.3	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Bromomethane	74-83-9	ug/l	NV	16	7.5	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Carbon disulfide	75-15-0	ug/l	NV	15	810	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Chlorobenzene	108-90-7	ug/l	100	47	78	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Chloroethane	75-00-3	ug/l	NV	NV	21000	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Chloroform	67-66-3	ug/l	80	170	0.22	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Chloromethane	74-87-3	ug/l	NV	NV	190	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NR	NR	NR	NR	NR	NR	NR	**25**	NR	NR	NR	NR	NR	NR	NR	**23 J**
Iodomethane	74-88-4	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Isobutanol	78-83-1	ug/l	NV	NV	5900	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
m&p-Xylene	179601-23-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	40	NR	NR	NR	NR	NR	NR	NR	37 J
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Methylene Chloride	75-09-2	ug/l	5	1500	11	NR	NR	NR	NR	NR	NR	NR	25 U	NR	NR	NR	NR	NR	NR	NR	25 UJ
o-Xylene	95-47-6	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	19	NR	NR	NR	NR	NR	NR	NR	18 J
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Propionitrile	107-12-0	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	50 U	NR	NR	NR	NR	NR	NR	NR	50 UJ
Styrene	100-42-5	ug/l	100	32	1200	NR	NR	NR	NR	NR	NR	NR	1.8 J	NR	NR	NR	NR	NR	NR	NR	5 UJ
Tetrachloroethene	127-18-4	ug/l	5	60	11	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Toluene	108-88-3	ug/l	1000	94	1100	NR	NR	NR	NR	NR	NR	NR	40	NR	NR	NR	NR	NR	NR	NR	31 J
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NR	NR	NR	NR	NR	NR	NR	10 U	NR	NR	NR	NR	NR	NR	NR	10 UJ
Trichloroethene	79-01-6	ug/l	5	260	0.49	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Vinyl acetate	108-05-4	ug/l	NV	248	410	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	5 UJ
Xylenes (Total)	1330-20-7	ug/l	10000	35	190	NR	NR	NR	NR	NR	NR	NR	**58**	NR	NR	NR	NR	NR	NR	NR	**56 J**

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	15071276-01B	15071276-01C	15071276-01D_RA	15071276-01E	15071276-01F	15071276-01H	15081133-01A_RA	15081133-01A	15081133-01B_RA	15081133-01B	15081133-01C	15081133-01D	15081133-01E	15081133-01F	15081133-01H	15101291-01A_RA
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	7/22/2015	7/22/2015	7/22/2015	7/22/2015	7/22/2015	7/22/2015	8/20/2015	8/20/2015	8/20/2015	8/20/2015	8/20/2015	8/20/2015	8/20/2015	8/20/2015	8/20/2015	10/20/2015
SVOCs																					
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NR	NR	NR	NR	NR	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR	*10 U*
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NR	NR	NR	NR	NR	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR	10 U
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR	10 U
2,2'-oxybis(2-chloropropane)	39638-32-9	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NR	NR	NR	NR	NR	NR	**26**	NR	NR	NR	NR	NR	NR	NR	NR	**25**
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	NR	NR	NR	NR	NR	NR	**140**	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	NR	NR	NR	NR	NR	NR	10	NR	NR	NR	NR	NR	NR	NR	NR	9.1
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NR	NR	NR	NR	NR	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR	*10 U*
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
2-Picoline	109-06-8	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	4 J	NR	NR	NR	NR	NR	NR	NR	NR	5.5 J
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	27	NR	NR	NR	NR	NR	NR	NR	NR	21
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NR	NR	NR	NR	NR	NR	*20 U*	NR	NR	NR	NR	NR	NR	NR	NR	*20 U*
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NR	NR	NR	NR	NR	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR	*10 U*
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR	10 U
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	NR	NR	NR	NR	NR	NR	**290**	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NR	NR	NR	NR	NR	NR	19	NR	NR	NR	NR	NR	NR	NR	NR	20
Acetophenone	98-86-2	ug/l	NV	1550	1900	NR	NR	NR	NR	NR	NR	1 U	NR	NR	NR	NR	NR	NR	NR	NR	1 U
Aniline	62-53-3	ug/l	NV	4.1	13	NR	NR	NR	NR	NR	NR	3 J	NR	NR	NR	NR	NR	NR	NR	NR	**4.3 J**
Anthracene	120-12-7	ug/l	NV	0.68	1800	NR	NR	NR	NR	NR	NR	**6.2**	NR	NR	NR	NR	NR	NR	NR	NR	**5**
Aramite	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
Aramite Peak 1	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Aramite Peak 2	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
Carbazole	86-74-8	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	100	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
Diallate	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
Diallate Peak 1	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diallate Peak 2	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	15071276-01B	15071276-01C	15071276-01D_RA	15071276-01E	15071276-01F	15071276-01H	15081133-01A_RA	15081133-01A	15081133-01B_RA	15081133-01B	15081133-01C	15081133-01D	15081133-01E	15081133-01F	15081133-01H	15101291-01A_RA
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	7/22/2015	7/22/2015	7/22/2015	7/22/2015	7/22/2015	7/22/2015	8/20/2015	8/20/2015	8/20/2015	8/20/2015	8/20/2015	8/20/2015	8/20/2015	8/20/2015	8/20/2015	10/20/2015
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	NR	NR	NR	NR	NR	NR	**120**	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
Diphenylamine	122-39-4	ug/l	NV	412	310	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NR	NR	NR	NR	NR	NR	3.6 J	NR	NR	NR	NR	NR	NR	NR	NR	2.8 J
Fluorene	86-73-7	ug/l	NV	2.4	290	NR	NR	NR	NR	NR	NR	**100**	NR	NR	NR	NR	NR	NR	NR	NR	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NR	NR	NR	NR	NR	NR	*80 U*	NR	NR	NR	NR	NR	NR	NR	NR	*40 U*
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR	10 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
Isophorone	78-59-1	ug/l	NV	830	78	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
Isosafrole	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR	10 U
Isosafrole Peak 1	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Isosafrole Peak 2	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR	10 U
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NR	NR	NR	NR	NR	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR	*10 U*
Naphthalene	91-20-3	ug/l	NV	26	0.17	NR	NR	NR	NR	NR	NR	NR	**1500**	NR	NR	NR	NR	NR	NR	NR	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR	10 U
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NR	NR	NR	NR	NR	NR	*20 U*	NR	NR	NR	NR	NR	NR	NR	NR	*20 U*
Pentachloroethane	76-01-7	ug/L	NV	56.4	0.65	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NR	NR	NR	NR	NR	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR	*10 U*
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
Phenacetin	62-44-2	ug/l	NV	NV	34	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NR	NR	NR	NR	NR	NR	**36**	NR	NR	NR	NR	NR	NR	NR	NR	**26**
Phenol	108-95-2	ug/l	NV	180	5800	NR	NR	NR	NR	NR	NR	26	NR	NR	NR	NR	NR	NR	NR	NR	18
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pronamide	23950-59-5	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U
Pyrene	129-00-0	ug/l	NV	0.3	120	NR	NR	NR	NR	NR	NR	**1.9 J**	NR	NR	NR	NR	NR	NR	NR	NR	**1.1 J**
Pyridine	110-86-1	ug/l	NV	NV	20	NR	NR	NR	NR	NR	NR	10 U	NR	NR	NR	NR	NR	NR	NR	NR	10 U
Quinoline	91-22-5	ug/l	NV	NV	0.024	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NR	NR	NR	NR	NR	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR	NR	*10 U*
General Chemistry																					
Ammonia as N	7664-41-7	ug/l	NV	150	NV	NR	NR	**9000**	NR	NR	NR	NR	NR	NR	NR	NR	**8100**	NR	NR	NR	NR
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field pH	000010297	S.U.	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Field Temperature, F	000000086	Degree F	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		umhos/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		uS/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Dissolved Solids		ug/l	NV	NV	NV	NR	NR	NR	1800000	NR	NR	NR	NR	NR	NR	NR	NR	1700000	NR	NR	NR
Total Suspended Solids		ug/l	NV	NV	NV	NR	NR	NR	NR	6000 U	NR	NR	NR	NR	NR	NR	NR	NR	3000 U	NR	NR
Inorganics																					
Arsenic	7440-38-2	ug/l	10	150	0.052	NR	**0.83 J**	NR	NR	NR	NR	NR	NR	NR	NR	**0.86 J**	NR	NR	NR	NR	NR
Barium	7440-39-3	ug/l	2000	438	3800	NR	310	NR	NR	NR	NR	NR	NR	NR	NR	280	NR	NR	NR	NR	NR
Cadmium	7440-43-9	ug/l	5	2.2	9.2	NR	0.03 J	NR	NR	NR	NR	NR	NR	NR	NR	2 U	NR	NR	NR	NR	NR
Chromium	7440-47-3	ug/l	100	74	NV	NR	0.45 J	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR
Lead	7439-92-1	ug/l	15	6.4	15	NR	5 U	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR
Lithium	7439-93-2	ug/l	NV	14	40	NR	**51**	NR	NR	NR	NR	NR	NR	NR	NR	**52**	NR	NR	NR	NR	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	NR	0.2 U	NR	NR	NR	NR	NR	NR	NR	NR	0.2 U	NR	NR	NR	NR	NR
Selenium	7782-49-2	ug/l	50	4.6	100	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR
Silver	7440-22-4	ug/l	NV	0.12	94	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR
PCBs																					
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	NR	NR	NR	NR	NR	NR	NR	0.2 U	NR	NR	NR	NR	NR	NR	NR	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	NR	NR	NR	NR	NR	NR	NR	*0.2 U*	NR	NR	NR	NR	NR	NR	NR	NR

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Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	15071276-01B	15071276-01C	15071276-01D_RA	15071276-01E	15071276-01F	15071276-01H	15081133-01A_RA	15081133-01A	15081133-01B_RA	15081133-01B	15081133-01C	15081133-01D	15081133-01E	15081133-01F	15081133-01H	15101291-01A_RA
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	7/22/2015	7/22/2015	7/22/2015	7/22/2015	7/22/2015	7/22/2015	8/20/2015	8/20/2015	8/20/2015	8/20/2015	8/20/2015	8/20/2015	8/20/2015	8/20/2015	8/20/2015	10/20/2015
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	NR	NR	NR	NR	NR	NR	NR	*0.2 U*	NR	NR	NR	NR	NR	NR	NR	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	NR	NR	NR	NR	NR	NR	NR	*0.2 U*	NR	NR	NR	NR	NR	NR	NR	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	NR	NR	NR	NR	NR	NR	NR	*0.2 U*	NR	NR	NR	NR	NR	NR	NR	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	NR	NR	NR	NR	NR	NR	NR	*0.2 U*	NR	NR	NR	NR	NR	NR	NR	NR
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	NR	NR	NR	NR	NR	NR	NR	*0.2 U*	NR	NR	NR	NR	NR	NR	NR	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	NR	NR	NR	NR	NR	NR	NR	0.2 U	NR	NR	NR	NR	NR	NR	NR	NR
VOCs																					
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
2-Butanone	78-93-3	ug/l	NV	14000	5600	NR	NR	NR	NR	NR	NR	NR	NR	25 U	NR	NR	NR	NR	NR	NR	NR
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
2-Hexanone	591-78-6	ug/l	NV	99	38	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
Acetone	67-64-1	ug/l	NV	1700	14000	NR	NR	NR	NR	NR	NR	NR	NR	50 U	NR	NR	NR	NR	NR	NR	NR
Acetonitrile	75-05-8	ug/l	NV	12000	130	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NR	NR	NR	NR	NR	NR	NR	NR	*50 U*	NR	NR	NR	NR	NR	NR	NR
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
Benzene	71-43-2	ug/l	5	98	0.46	**990**	NR	NR	NR	NR	NR	NR	NR	NR	**1900**	NR	NR	NR	NR	NR	NR
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
Bromoform	75-25-2	ug/l	80	61	3.3	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
Bromomethane	74-83-9	ug/l	NV	16	7.5	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
Carbon disulfide	75-15-0	ug/l	NV	15	810	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
Chlorobenzene	108-90-7	ug/l	100	47	78	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
Chloroethane	75-00-3	ug/l	NV	NV	21000	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
Chloroform	67-66-3	ug/l	80	170	0.22	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
Chloromethane	74-87-3	ug/l	NV	NV	190	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NR	NR	NR	NR	NR	NR	NR	NR	**23**	NR	NR	NR	NR	NR	NR	NR
Iodomethane	74-88-4	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
Isobutanol	78-83-1	ug/l	NV	NV	5900	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
m&p-Xylene	179601-23-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	33	NR	NR	NR	NR	NR	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	75-09-2	ug/l	5	1500	11	NR	NR	NR	NR	NR	NR	NR	NR	*25 U*	NR	NR	NR	NR	NR	NR	NR
o-Xylene	95-47-6	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	15	NR	NR	NR	NR	NR	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
Propionitrile	107-12-0	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR	50 U	NR	NR	NR	NR	NR	NR	NR
Styrene	100-42-5	ug/l	100	32	1200	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	127-18-4	ug/l	5	60	11	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
Toluene	108-88-3	ug/l	1000	94	1100	NR	NR	NR	NR	NR	NR	NR	NR	28	NR	NR	NR	NR	NR	NR	NR
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NR	NR	NR	NR	NR	NR	NR	NR	*10 U*	NR	NR	NR	NR	NR	NR	NR
Trichloroethene	79-01-6	ug/l	5	260	0.49	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
Vinyl acetate	108-05-4	ug/l	NV	248	410	NR	NR	NR	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR	NR	NR	NR
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NR	NR	NR	NR	NR	NR	NR	NR	*5 U*	NR	NR	NR	NR	NR	NR	NR
Xylenes (Total)	1330-20-7	ug/l	10000	35	190	NR	NR	NR	NR	NR	NR	NR	NR	**49**	NR	NR	NR	NR	NR	NR	NR

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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	15101291-01A	15101291-01B_RA	15101291-01B	15101291-01C	15101291-01D	15101291-01E	15101291-01F	15101291-01H
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	10/20/2015	10/20/2015	10/20/2015	10/20/2015	10/20/2015	10/20/2015	10/20/2015	10/20/2015
SVOCs													
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NV	8.3	1.7	NR	NR	NR	NR	NR	NR	NR	NR
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	30	0.99	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichlorobenzene	95-50-1	ug/l	600	14	300	NR	NR	NR	NR	NR	NR	NR	NR
1,3,5-Trinitrobenzene	99-35-4	ug/l	NV	10	590	NR	NR	NR	NR	NR	NR	NR	NR
1,3-Dichlorobenzene	541-73-1	ug/l	NV	52	NV	NR	NR	NR	NR	NR	NR	NR	NR
1,3-Dinitrobenzene	99-65-0	ug/l	NV	22	2	NR	NR	NR	NR	NR	NR	NR	NR
1,4-Dichlorobenzene	106-46-7	ug/l	75	16	0.42	NR	NR	NR	NR	NR	NR	NR	NR
1,4-Dioxane	123-91-1	ug/l	NV	22000	0.46	NR	NR	NR	NR	NR	NR	NR	NR
1,4-Naphthoquinone	130-15-4	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
1-Naphthylamine	134-32-7	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
2,2'-oxybis(2-chloropropane)	39638-32-9	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	NV	NV	240	NR	NR	NR	NR	NR	NR	NR	NR
2,4,5-Trichlorophenol	95-95-4	ug/l	NV	1.9	1200	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-Trichlorophenol	88-06-2	ug/l	NV	1.4	4.1	NR	NR	NR	NR	NR	NR	NR	NR
2,4-Dichlorophenol	120-83-2	ug/l	NV	17	35	NR	NR	NR	NR	NR	NR	NR	NR
2,4-Dimethylphenol	105-67-9	ug/l	NV	21	360	NR	NR	NR	NR	NR	NR	NR	NR
2,4-Dinitrophenol	51-28-5	ug/l	NV	19	39	NR	NR	NR	NR	NR	NR	NR	NR
2,4-Dinitrotoluene	121-14-2	ug/l	NV	44	0.24	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dichlorophenol	87-65-0	ug/l	NV	0.2	NV	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	606-20-2	ug/l	NV	81	0.049	NR	NR	NR	NR	NR	NR	NR	NR
2-Acetylaminofluorene	53-96-3	ug/l	NV	535	0.016	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	91-58-7	ug/l	NV	0.396	550	NR	NR	NR	NR	NR	NR	NR	NR
2-Chlorophenol	95-57-8	ug/l	NV	24	91	NR	NR	NR	NR	NR	NR	NR	NR
2-Methylnaphthalene	91-57-6	ug/l	NV	330	36	**96 J**	NR	NR	NR	NR	NR	NR	NR
2-Methylphenol	95-48-7	ug/l	NV	67	930	NR	NR	NR	NR	NR	NR	NR	NR
2-Naphthylamine	91-59-8	ug/l	NV	NV	0.039	NR	NR	NR	NR	NR	NR	NR	NR
2-Nitroaniline	88-74-4	ug/l	NV	NV	190	NR	NR	NR	NR	NR	NR	NR	NR
2-Nitrophenol	88-75-5	ug/l	NV	73	NV	NR	NR	NR	NR	NR	NR	NR	NR
2-Picoline	109-06-8	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
2-sec-Butyl-4,6-dinitrophenol	88-85-7	ug/l	7	NV	15	NR	NR	NR	NR	NR	NR	NR	NR
3 & 4 Methylphenol	15831-10-4	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
3,3'-Dichlorobenzidine	91-94-1	ug/l	NV	4.5	0.11	NR	NR	NR	NR	NR	NR	NR	NR
3,3'-Dimethylbenzidine	119-93-7	ug/l	NV	NV	0.0065	NR	NR	NR	NR	NR	NR	NR	NR
3-Methylcholanthrene	56-49-5	ug/l	NV	0.0891	0.0011	NR	NR	NR	NR	NR	NR	NR	NR
3-Nitroaniline	99-09-2	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	NV	23	1.5	NR	NR	NR	NR	NR	NR	NR	NR
4-Aminobiphenyl	92-67-1	ug/l	NV	NV	0.003	NR	NR	NR	NR	NR	NR	NR	NR
4-Bromophenyl phenyl ether	101-55-3	ug/l	NV	1.5	NV	NR	NR	NR	NR	NR	NR	NR	NR
4-Chloro-3-methylphenol	59-50-7	ug/l	NV	NV	1400	NR	NR	NR	NR	NR	NR	NR	NR
4-Chloroaniline	106-47-8	ug/l	NV	232	0.37	NR	NR	NR	NR	NR	NR	NR	NR
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
4-Nitroaniline	100-01-6	ug/l	NV	NV	3.8	NR	NR	NR	NR	NR	NR	NR	NR
4-Nitrophenol	100-02-7	ug/l	NV	58	NV	NR	NR	NR	NR	NR	NR	NR	NR
4-Nitroquinoline-1-oxide	56-57-5	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
5-Nitro-o-toluidine	99-55-8	ug/l	NV	NV	8.2	NR	NR	NR	NR	NR	NR	NR	NR
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/l	NV	NV	0.0001	NR	NR	NR	NR	NR	NR	NR	NR
a,a-Dimethylphenethylamine	122-09-8	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	83-32-9	ug/l	NV	27	400	**260**	NR	NR	NR	NR	NR	NR	NR
Acenaphthylene	208-96-8	ug/l	NV	4840	400	NR	NR	NR	NR	NR	NR	NR	NR
Acetophenone	98-86-2	ug/l	NV	1550	1900	NR	NR	NR	NR	NR	NR	NR	NR
Aniline	62-53-3	ug/l	NV	4.1	13	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	120-12-7	ug/l	NV	0.68	1800	NR	NR	NR	NR	NR	NR	NR	NR
Aramite	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR
Aramite Peak 1	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR
Aramite Peak 2	140-57-8	ug/l	NV	3.09	1.3	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(a)anthracene	56-55-3	ug/l	NV	0.025	0.012	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(a)pyrene	50-32-8	ug/l	0.2	0.014	0.0034	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(b)fluoranthene	205-99-2	ug/l	NV	9.07	0.034	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(g,h,i)perylene	191-24-2	ug/l	NV	7.64	NV	NR	NR	NR	NR	NR	NR	NR	NR
Benzo(k)fluoranthene	207-08-9	ug/l	NV	0.6415	0.34	NR	NR	NR	NR	NR	NR	NR	NR
Benzyl alcohol	100-51-6	ug/l	NV	8.6	2000	NR	NR	NR	NR	NR	NR	NR	NR
Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/l	NV	NV	710	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NV	NV	59	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-Chloroethyl)ether	111-44-4	ug/l	NV	19000	0.014	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	0.3	5.6	NR	NR	NR	NR	NR	NR	NR	NR
Butyl benzyl phthalate	85-68-7	ug/l	NV	23	16	NR	NR	NR	NR	NR	NR	NR	NR
Carbazole	86-74-8	ug/l	NV	NV	NV	98 J	NR	NR	NR	NR	NR	NR	NR
Chlorobenzilate	510-15-6	ug/l	NV	7.16	0.31	NR	NR	NR	NR	NR	NR	NR	NR
Chrysene	218-01-9	ug/l	NV	2.042	2.9	NR	NR	NR	NR	NR	NR	NR	NR
Diallate	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR
Diallate Peak 1	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR
Diallate Peak 2	2303-16-4	ug/l	NV	NV	0.54	NR	NR	NR	NR	NR	NR	NR	NR

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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	15101291-01A	15101291-01B_RA	15101291-01B	15101291-01C	15101291-01D	15101291-01E	15101291-01F	15101291-01H
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	10/20/2015	10/20/2015	10/20/2015	10/20/2015	10/20/2015	10/20/2015	10/20/2015	10/20/2015
Dibenz(a,h)anthracene	53-70-3	ug/l	NV	0.02825	0.0034	NR	NR	NR	NR	NR	NR	NR	NR
Dibenzofuran	132-64-9	ug/l	NV	7.3	7.9	**110**	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	84-66-2	ug/l	NV	110	15000	NR	NR	NR	NR	NR	NR	NR	NR
Dimethyl phthalate	131-11-3	ug/l	NV	1000	NV	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butyl phthalate	84-74-2	ug/l	NV	9.7	900	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-octyl phthalate	117-84-0	ug/l	NV	30	200	NR	NR	NR	NR	NR	NR	NR	NR
Diphenylamine	122-39-4	ug/l	NV	412	310	NR	NR	NR	NR	NR	NR	NR	NR
Ethyl methanesulfonate	62-50-0	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	206-44-0	ug/l	NV	3.6	800	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	86-73-7	ug/l	NV	2.4	290	**83 J**	NR	NR	NR	NR	NR	NR	NR
Hexachlorobenzene	118-74-1	ug/l	1	0.0003	0.042	NR	NR	NR	NR	NR	NR	NR	NR
Hexachlorobutadiene	87-68-3	ug/l	NV	0.053	0.14	NR	NR	NR	NR	NR	NR	NR	NR
Hexachlorocyclopentadiene	77-47-4	ug/l	50	77	0.41	NR	NR	NR	NR	NR	NR	NR	NR
Hexachloroethane	67-72-1	ug/l	NV	8	0.33	NR	NR	NR	NR	NR	NR	NR	NR
Hexachlorophene	70-30-4	ug/l	NV	NV	6	NR	NR	NR	NR	NR	NR	NR	NR
Hexachloropropene	1888-71-7	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NV	4.31	0.034	NR	NR	NR	NR	NR	NR	NR	NR
Isophorone	78-59-1	ug/l	NV	830	78	NR	NR	NR	NR	NR	NR	NR	NR
Isosafrole	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
Isosafrole Peak 1	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
Isosafrole Peak 2	120-58-1	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
Methapyrilene	91-80-5	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
Methyl methanesulfonate	66-27-3	ug/l	NV	NV	0.79	NR	NR	NR	NR	NR	NR	NR	NR
Naphthalene	91-20-3	ug/l	NV	26	0.17	**1100**	NR	NR	NR	NR	NR	NR	NR
Nitrobenzene	98-95-3	ug/l	NV	220	0.14	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiethylamine	55-18-5	ug/l	NV	768	0.00017	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodimethylamine	62-75-9	ug/l	NV	NV	0.00011	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodi-n-butylamine	924-16-3	ug/l	NV	NV	0.0027	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodi-n-propylamine	621-64-7	ug/l	NV	NV	0.0093	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	86-30-6	ug/l	NV	25	12	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosomethylethylamine	10595-95-6	ug/l	NV	NV	0.00071	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosomorpholine	59-89-2	ug/l	NV	NV	0.012	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosopiperidine	100-75-4	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosopyrrolidine	930-55-2	ug/l	NV	NV	0.037	NR	NR	NR	NR	NR	NR	NR	NR
o-Toluidine	95-53-4	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
p-Dimethylaminoazobenzene	60-11-7	ug/l	NV	NV	0.005	NR	NR	NR	NR	NR	NR	NR	NR
Pentachlorobenzene	608-93-5	ug/l	NV	3.1	3.2	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloroethane	76-01-7	ug/L	NV	56.4	0.65	NR	NR	NR	NR	NR	NR	NR	NR
Pentachloronitrobenzene	82-68-8	ug/l	NV	NV	0.12	NR	NR	NR	NR	NR	NR	NR	NR
Pentachlorophenol	87-86-5	ug/l	1	5.7	0.041	NR	NR	NR	NR	NR	NR	NR	NR
Phenacetin	62-44-2	ug/l	NV	NV	34	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	85-01-8	ug/l	NV	0.93	NV	NR	NR	NR	NR	NR	NR	NR	NR
Phenol	108-95-2	ug/l	NV	180	5800	NR	NR	NR	NR	NR	NR	NR	NR
p-Phenylene diamine	106-50-3	ug/l	NV	NV	3800	NR	NR	NR	NR	NR	NR	NR	NR
Pronamide	23950-59-5	ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	129-00-0	ug/l	NV	0.3	120	NR	NR	NR	NR	NR	NR	NR	NR
Pyridine	110-86-1	ug/l	NV	NV	20	NR	NR	NR	NR	NR	NR	NR	NR
Quinoline	91-22-5	ug/l	NV	NV	0.024	NR	NR	NR	NR	NR	NR	NR	NR
Safrole, Total	94-59-7	ug/l	NV	NV	0.096	NR	NR	NR	NR	NR	NR	NR	NR
General Chemistry													
Ammonia as N	7664-41-7	ug/l	NV	150	NV	NR	NR	NR	NR	**9600**	NR	NR	NR
Chromium, hexavalent	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	NR	NR	NR	NR	*5 U*
Chromium, hexavalent, dissolved	18540-29-9	ug/l	NV	11	0.035	NR	NR	NR	NR	NR	NR	NR	NR
Field pH	000010297	S.U.	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
Field Temperature, F	000000086	Degree F	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		umhos/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance		uS/cm	NV	NV	NV	NR	NR	NR	NR	NR	NR	NR	NR
Total Dissolved Solids		ug/l	NV	NV	NV	NR	NR	NR	NR	NR	1800000	NR	NR
Total Suspended Solids		ug/l	NV	NV	NV	NR	NR	NR	NR	NR	NR	2000 J	NR
Inorganics													
Arsenic	7440-38-2	ug/l	10	150	0.052	NR	NR	NR	**1 J**	NR	NR	NR	NR
Barium	7440-39-3	ug/l	2000	438	3800	NR	NR	NR	300	NR	NR	NR	NR
Cadmium	7440-43-9	ug/l	5	2.2	9.2	NR	NR	NR	2 U	NR	NR	NR	NR
Chromium	7440-47-3	ug/l	100	74	NV	NR	NR	NR	0.27 J	NR	NR	NR	NR
Lead	7439-92-1	ug/l	15	6.4	15	NR	NR	NR	0.19 J	NR	NR	NR	NR
Lithium	7439-93-2	ug/l	NV	14	40	NR	NR	NR	**48**	NR	NR	NR	NR
Mercury	7439-97-6	ug/l	2	0.77	0.63	NR	NR	NR	0.2 U	NR	NR	NR	NR
Selenium	7782-49-2	ug/l	50	4.6	100	NR	NR	NR	*5 U*	NR	NR	NR	NR
Silver	7440-22-4	ug/l	NV	0.12	94	NR	NR	NR	*5 U*	NR	NR	NR	NR
PCBs													
Aroclor-1016	12674-11-2	ug/l	NV	NV	0.22	0.2 U	NR	NR	NR	NR	NR	NR	NR
Aroclor-1221	11104-28-2	ug/l	NV	0.28	0.0047	*0.2 U*	NR	NR	NR	NR	NR	NR	NR

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U. S. Steel - Gary Works
Gary, Indiana

Chemical	CAS	Units	USEPA Maximum Contaminant Level	Ecological Screening Value	USEPA Tapwater Regional Screening	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01	LCS-01
					Sample Date	15101291-01A	15101291-01B_RA	15101291-01B	15101291-01C	15101291-01D	15101291-01E	15101291-01F	15101291-01H
					Lab Sample ID	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
					Sample Type	10/20/2015	10/20/2015	10/20/2015	10/20/2015	10/20/2015	10/20/2015	10/20/2015	10/20/2015
Aroclor-1232	11141-16-5	ug/l	NV	0.58	0.0047	*0.2 U*	NR	NR	NR	NR	NR	NR	NR
Aroclor-1242	53469-21-9	ug/l	NV	0.053	0.0078	*0.2 U*	NR	NR	NR	NR	NR	NR	NR
Aroclor-1248	12672-29-6	ug/l	NV	0.081	0.0078	*0.2 U*	NR	NR	NR	NR	NR	NR	NR
Aroclor-1254	11097-69-1	ug/l	NV	0.033	0.0078	*0.2 U*	NR	NR	NR	NR	NR	NR	NR
Aroclor-1260	11096-82-5	ug/l	NV	94	0.0078	*0.2 U*	NR	NR	NR	NR	NR	NR	NR
Polychlorinated biphenyls, Total	1336-36-3	ug/l	0.5	NV	NV	0.2 U	NR	NR	NR	NR	NR	NR	NR
VOCs													
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NV	NV	0.57	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
1,1,1-Trichloroethane	71-55-6	ug/l	200	410	8000	NR	10 UJ	NR	NR	NR	NR	NR	NR
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NV	380	0.076	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
1,1,2-Trichloroethane	79-00-5	ug/l	5	87	0.28	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
1,1-Dichloroethane	75-34-3	ug/l	NV	740	2.8	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
1,1-Dichloroethene	75-35-4	ug/l	7	210	280	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
1,2,3-Trichloropropane	96-18-4	ug/l	NV	NV	0.00075	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	0.2	NV	0.00033	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
1,2-Dibromoethane	106-93-4	ug/l	0.05	NV	0.0075	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
1,2-Dichloroethane	107-06-2	ug/l	5	980	0.15	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
1,2-Dichloropropane	78-87-5	ug/l	5	360	0.44	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
2-Butanone	78-93-3	ug/l	NV	14000	5600	NR	50 UJ	NR	NR	NR	NR	NR	NR
2-Chloro-1,3-butadiene	126-99-8	ug/l	NV	NV	0.019	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
2-Hexanone	591-78-6	ug/l	NV	99	38	NR	10 UJ	NR	NR	NR	NR	NR	NR
3-Chloropropene	107-05-1	ug/l	NV	NV	0.73	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
4-Methyl-2-pentanone	108-10-1	ug/l	NV	170	6300	NR	10 UJ	NR	NR	NR	NR	NR	NR
Acetone	67-64-1	ug/l	NV	1700	14000	NR	100 UJ	NR	NR	NR	NR	NR	NR
Acetonitrile	75-05-8	ug/l	NV	12000	130	NR	10 UJ	NR	NR	NR	NR	NR	NR
Acrolein	107-02-8	ug/l	NV	0.19	0.042	NR	*100 UJ*	NR	NR	NR	NR	NR	NR
Acrylonitrile	107-13-1	ug/l	NV	63	0.052	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
Benzene	71-43-2	ug/l	5	98	0.46	NR	**1900 J**	NR	NR	NR	NR	NR	NR
Bromodichloromethane	75-27-4	ug/l	80	NV	0.13	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
Bromoform	75-25-2	ug/l	80	61	3.3	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
Bromomethane	74-83-9	ug/l	NV	16	7.5	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
Carbon disulfide	75-15-0	ug/l	NV	15	810	NR	8.4 J	NR	NR	NR	NR	NR	NR
Carbon tetrachloride	56-23-5	ug/l	5	40	0.46	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
Chlorobenzene	108-90-7	ug/l	100	47	78	NR	10 UJ	NR	NR	NR	NR	NR	NR
Chloroethane	75-00-3	ug/l	NV	NV	21000	NR	10 UJ	NR	NR	NR	NR	NR	NR
Chloroform	67-66-3	ug/l	80	170	0.22	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
Chloromethane	74-87-3	ug/l	NV	NV	190	NR	10 UJ	NR	NR	NR	NR	NR	NR
cis-1,3-Dichloropropene	10061-01-5	ug/l	NV	1.9	NV	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
Dibromochloromethane	124-48-1	ug/l	80	NV	0.87	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
Dibromomethane	74-95-3	ug/l	NV	NV	8.3	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
Dichlorodifluoromethane	75-71-8	ug/l	NV	NV	200	NR	10 UJ	NR	NR	NR	NR	NR	NR
Ethyl methacrylate	97-63-2	ug/l	NV	NV	630	NR	10 UJ	NR	NR	NR	NR	NR	NR
Ethylbenzene	100-41-4	ug/l	700	110	1.5	NR	**12 J**	NR	NR	NR	NR	NR	NR
Iodomethane	74-88-4	ug/l	NV	NV	NV	NR	10 UJ	NR	NR	NR	NR	NR	NR
Isobutanol	78-83-1	ug/l	NV	NV	5900	NR	10 UJ	NR	NR	NR	NR	NR	NR
m&p-Xylene	179601-23-1	ug/l	NV	NV	NV	NR	18 J	NR	NR	NR	NR	NR	NR
Methacrylonitrile	126-98-7	ug/l	NV	NV	1.9	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
Methyl methacrylate	80-62-6	ug/l	NV	NV	1400	NR	10 UJ	NR	NR	NR	NR	NR	NR
Methylene Chloride	75-09-2	ug/l	5	1500	11	NR	*50 UJ*	NR	NR	NR	NR	NR	NR
o-Xylene	95-47-6	ug/l	NV	NV	NV	NR	9.8 J	NR	NR	NR	NR	NR	NR
Pentachloroethane	76-01-7	ug/l	NV	56.4	0.65	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
Propionitrile	107-12-0	ug/l	NV	NV	NV	NR	100 UJ	NR	NR	NR	NR	NR	NR
Styrene	100-42-5	ug/l	100	32	1200	NR	10 UJ	NR	NR	NR	NR	NR	NR
Tetrachloroethene	127-18-4	ug/l	5	60	11	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
Toluene	108-88-3	ug/l	1000	94	1100	NR	14 J	NR	NR	NR	NR	NR	NR
trans-1,2-Dichloroethene	156-60-5	ug/l	100	560	360	NR	10 UJ	NR	NR	NR	NR	NR	NR
trans-1,3-Dichloropropene	10061-02-6	ug/l	NV	1.9	NV	NR	NR	*5 UJ*	NR	NR	NR	NR	NR
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	NV	NV	0.0013	NR	*20 UJ*	NR	NR	NR	NR	NR	NR
Trichloroethene	79-01-6	ug/l	5	260	0.49	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
Trichlorofluoromethane	75-69-4	ug/l	NV	NV	5200	NR	10 UJ	NR	NR	NR	NR	NR	NR
Vinyl acetate	108-05-4	ug/l	NV	248	410	NR	10 UJ	NR	NR	NR	NR	NR	NR
Vinyl chloride	75-01-4	ug/l	2	930	0.015	NR	*10 UJ*	NR	NR	NR	NR	NR	NR
Xylenes (Total)	1330-20-7	ug/l	10000	35	190	NR	28 J	NR	NR	NR	NR	NR	NR

Table 4
Comparison of CAMU Leachate Collection System (LCS) Unit 1 Data to MCLs, RSLs, and ESVs
U. S. Steel - Gary Works
Gary, Indiana

Notes:
The screening values used for the comparisons include the USEPA Maximum Contaminant Levels (USEPA, 2013), the USEPA Regional Screening Levels for Tapwater (USEPA, May, 2016) and the Ecological Screening Values (URS, 2011) established for the East Breakwater Area.
CAS - chemical abstract system [number]
ESV - Ecological Screening Value
FD - field duplicate
MCL - Maximum Contaminant Level
NA - not applicable
NV - no value
RSL - Regional Screening Level
TRG = field sample
µg/L = micrograms per liter
USEPA - United States Environmental Protection Agency
* The results for 3&4-Methylphenol were compared to the screening value for 4-Methylphenol since this is the most conservative.

J indicates the chemical result is estimated, detected above the method detection limit but below the reporting limit.
R indicates the chemical result was rejected due to quality control exceedanes.
U indicates the chemical was not detected. The value presented is the reporting limit.
UJ indicates the chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the analyte in the sample.
UX indicates the chemical was not detected at or above the sample reporting limit and is a qualitative value. A qualitative value should be used with caution and should not be used for quantitative purposes.
Bold Indicates the sample result is a detect and exceeds one or more of the screening levels
Italics Indicates the sample result is non-detect and exceeds one or more of the screening levels
Samples collected in April 2014 were to verify exceedances of screening criteria.
Samples collected in May and November 2014 were quarterly samples collected at locations with confirmed exceedances, in accordance with the CAMU O&M Plan

THE FOLLOWING APPENDICES ARE PROVIDED ELECTRONICALLY:

APPENDIX A: Blanket Request to Dispose of IDW in the CAMU

APPENDIX B: CAMU Construction/Operation Design Level Drawings

APPENDIX C: Laboratory Reports

APPENDIX D: Summary Statistics

APPENDIX E: Air Monitoring and PM_{10} Daily Spreadsheets