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March 30, 2018

Mr. Ravi Sanga
EPA Remedial Project Manager
U.S. EPA Region 10
1200 Sixth Avenue, ECL 111
Seattle, Washington 98101

RE: Sitewide Groundwater and Surface Water Sampling Results – 2016 Revised – Response to EPA Comments

Dear Mr. Sanga:

This letter and the attached revised report are in response to EPA comments, sent November 2, 2017, to the Sitewide Groundwater and Surface Water Sampling Results – 2016.

EPA Comment #1:
In EPA's approval letter for the Quality Assurance Project Plan (QAPP) for the Site-Wide Remedial Actions and Sitewide Sampling and Analysis Plan (dated 10 March 2016), EPA required that the sitewide data be provided in a stand-alone data report including an analysis and discussion of findings. No data analysis was provided and very limited discussion of the results was provided in the report. The requested data evaluation is needed and must be submitted to EPA in a revised report.

Response to Comment #1:
The original and revised reports include 52 pages of data analysis. ATI believes that a discussion of the results in context of the status of the achievement of site remedial action objections (RAOs) is more appropriate in the area specific annual reports or in a stand-alone evaluation of the RAOs.

EPA Comment #2:
According to the Sitewide QAPP (Section C.2, Reports and Management), the report was to include an assessment of data quality; however, this was not included. Provide a section summarizing the data quality information, as planned.

Response to Comment #2:

A summary has been added to Section 4: Quality Control Program.

EPA Comment #3:
The sitewide sampling data must be included and discussed in the 2016 annual reports for the Fabrication Area, Extraction Area, Farm Ponds Area, and Solids Area. Mention that this will be occurring.

Response to Comment #3:
Data and discussion will be added to the 2017 annual reports for routinely monitored constituents.

EPA Comment #4:
In EPA's approval letter for the Quality Assurance Project Plan for the Site-Wide Remedial Actions and Sitewide Sampling and Analysis Plan (dated 10 March 2016), EPA requested that the complete validated data package of sampling results be provided. Attach laboratory reports to electronic versions of the report.

Response to Comment #4:
DVDs of laboratory reports will be included with revised hard copies of the report. File size of the reports prevents their inclusion in an electronic submittal.

EPA Comment #5:
The absence of groundwater elevation contour maps limits the ability to evaluate concentration fate/transport context. For this report, append the water level table (Table 2) with date and time of measurements. For future sampling events, Wah Chang needs to collect synoptic static water level measurements either site-wide or in relevant groupings prior to sampling.

Response to Comment #5:
Table 2 has been appended. Synoptic water level contouring will be included in the 2017 annual reports.

EPA Comment #6:
Figures 3 and 4: without corresponding groundwater elevation contour maps to justify the action, separating locations with observed exceedances (e.g., PW-45A, MW-04A, and MWOI A in Figure 4) does not appear justified. Explain if there is more evidence to suggest that the area between those locations exceeds cleanup criteria than there is evidence to suggest that it does not.

Response to Comment #6:
ATI acknowledges that representations of contaminant boundaries shown on Figures 3 and 4 are based on interpretation, and understands that multiple interpretations are possible. The interpretations on Figures 3 and 4 are based on historical understanding of site groundwater patterns and observation of attenuation rates observed at other well pairings throughout the site. ATI believes this interpretation is appropriate based on all available information. Additional discussion is provided in Section 5.2: Preliminary Findings.

EPA Comment #7:
Page 4, Section 5.2, Paragraph 3 states:

"In 2014, ATI installed additional wells (PW-105S, PW-106S, and PW-107S) in the Farm Ponds Area to assess the potential distribution of VOCs [volatile organic compounds} from former well SS, which was replaced by PW-104S. There were detections for VOCs in PW-104S, but none of those detections were observed in the new downgradient wells with the exception of a J-flagged estimated detection for 1, 2-dichloroethane in PW-105S (0.23 µg/L J). There does not appear to be a downgradient VOC plume from the former well SS location in the Farm Ponds Area. "

This notably singular interpretation of results would be best supported with a detailed analysis of groundwater elevations, flow directions, and seasonal variability in the area surrounding PW-104S to support the assessment that nearby wells are properly placed and are capable of evaluating the presence/absence of a contaminant plume. Note, the additional Farm Ponds Area wells were installed in August 2015, not in 2014, as stated. This needs to be changed.

Response to Comment #7:
Contouring of synoptic groundwater levels will be included in the 2017 Farm Ponds annual report. The date has been correct.

EPA Comment #8:
Page 4, last paragraph, and Tables E-1 and E-2: Provide the calculated function-based values for surface water constituents by sample, as appropriate (e.g., cadmium, copper, lead).

Response to Comment #8:
Tables E-1 and E-2 have been revised to include the function-based values.

EPA Comment #9:
Pages 14 and 16 manganese listings, PW-104S is listed twice with different results. This needs to be corrected.

Response to Comment #9:
Corrected.

EPA Comment #10:
Page 24: The list of wells with manganese detections appears truncated. This needs to be corrected.

Response to Comment #10:
Corrected.

EPA Comment #11:
Page 38: the 1,1,1 -Trichloroethane detected concentration range is incorrect. This needs to be corrected.

Response to Comment #11:
Corrected.

EPA Comment #12:

Surface Water Section: All instances of the word "wells" need to be replaced with "locations".

Response to Comment #12:
Corrected.

EPA Comment #13:
The Analytical Results discussion section regarding Surface Water (pages 43-52) does not include Radium-226/228. Table 1 indicates surface water samples MC-U, MC-M, and MC-D were tested for Radium-226/228 but not surface water sample locations TC-U and TC-D. Table 4 (Page Index) does not include a page reference for Radium-226/228 for surface water. Table E-6 that lists surface water radium-226/228 includes results for all surface water samples. The inconsistencies between the text and tables need to be resolved.

Response to Comment #13:
The inconsistencies have been resolved.

If you have any questions or would like to discuss these issues further, please contact me at (541) 926-4211 ext. 6365.

Sincerely,

Noel Mak
NPL Program Coordinator

Report

Sitewide Groundwater and Surface Water Sampling Results – 2016

Revised

Prepared for

ATI Millersburg Operations

March 2018

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Contents

Section **Page**

1. Introduction 1
2. Sample Locations 1
3. Sample Collection Procedures 2
3.1 Procedures 2
3.2 Water Levels 2
3.3 Water Quality Parameters 2
4. Quality Control Program 2
5. Analytical Results 3
5.1 Data Presentation 3
5.2 Preliminary Findings 5
Solids Area 6
Total Metals 6
Dissolved Metals 8
General Chemistry 9
Volatile Organic Compounds 10
Semivolatile Compounds 12
Combined Radium-226 and Radium-228 13
Farm Ponds Area 14
Total Metals 14
Dissolved Metals 16
General Chemistry 17
Volatile Organic Compounds 18
Semivolatile Compounds 20
Combined Radium-226 and Radium-228 21
Polychlorinated Biphenyl 22
Extraction Area 24
Total Metals 24
Dissolved Metals 26
General Chemistry 27
Volatile Organic Compounds 28
Semivolatile Compounds 31
Combined Radium-226 and Radium-228 32
Fabrication Area 34
Total Metals 34
Dissolved Metals 36
General Chemistry 38
Volatile Organic Compounds 38
Semivolatile Compounds 41
Combined Radium-226 and Radium-228 42
Polychlorinated Biphenyl 42
Surface Water 44
Total Metals 44
Dissolved Metals 46

Section **Page**

General Chemistry 48
Volatile Organic Compounds 48
Semivolatile Compounds 50
Combined Radium-226 and Radium-228.....53

Tables

1 Sitewide Monitoring Locations and Analytes
2 Sitewide Groundwater Elevations
3 Sitewide Water Quality Parameters
4 Page Index to Analytical Results by Compound and Area

Figures

1 Site Location Map

2a Solids Area Monitoring Wells
2b Farm Ponds Area Monitoring Wells
2c Extraction Area Monitoring Wells
2d Fabrication Area Monitoring Wells
2e Surface Water Sample Locations
3 1,1-Dichloroethene Distribution
4 Vinyl Chloride Distribution

Appendices

A **Solids Area Analytical Results**
Table A-1 Total Metals Data
Table A-2 Dissolved Metals Data
Table A-3 General Chemistry Data
Table A-4 Volatile Organic Compound Data
Table A-5 Semivolatile Organic Compound Data
Table A-6 Radium-226/228 Data

B **Farm Ponds Area Analytical Results**
Table B-1 Total Metals Data
Table B-2 Dissolved Metals Data
Table B-3 General Chemistry Data
Table B-4 Volatile Organic Compound Data
Table B-5 Semivolatile Organic Compound Data
Table B-6 Radium-226/228 Data

Section **Page**

Table B-7 Polychlorinated Biphenyl Data

C **Extraction Area Analytical Results**
Table C-1 Total Metals Data
Table C-2 Dissolved Metals Data
Table C-3 General Chemistry Data
Table C-4 Volatile Organic Compound Data
Table C-5 Semivolatile Organic Compound Data
Table C-6 Radium-226/228 Data

D **Fabrication Area Analytical Results**
Table D-1 Total Metals Data
Table D-2 Dissolved Metals Data
Table D-3 General Chemistry Data
Table D-4 Volatile Organic Compound Data
Table D-5 Semivolatile Organic Compound Data
Table D-6 Radium-226/228 Data
Table D-7 Polychlorinated Biphenyl Data

E **Surface Water Analytical Results**
Table E-1 Total Metals Data
Table E-2 Dissolved Metals Data
Table E-3 General Chemistry Data
Table E-4 Volatile Organic Compound Data
Table E-5 Semivolatile Organic Compound Data
Table E-6 Radium-226/228 Data

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1. Introduction

This report provides the analytical results from Sitewide sampling of groundwater and surface water at the ATI Millersburg (ATI), Albany, Oregon, facility (Site) (see Figure 1). The U.S. Environmental Protection Agency (EPA) approved the *Sitewide Groundwater and Surface Water Sampling and Analysis Plan, Revision 2* (SAP; ATI, 2016) on March 10, 2016. The sampling began in April and concluded in July 2016, and included 155 sampling points in the Site's monitoring wells, extraction wells, and surface water.

This revised report addresses EPA comments (November 2, 2017) to the report submitted March 31, 2017 (GSI, 2017). The 2017 report included appendices that provided tables of the complete analytical data from the sampling event. It included a 52 page results section providing data analysis in which concentrations for each analyte in each area of the facility were compared to the appropriate cleanup values, method reporting limits, numbers of detections, and the concentration ranges for all the detections.

This revised report includes more discussion of the results and electronic versions of the report include copies of all the laboratory data packages for the sampling event as requested by EPA. Groundwater data collected in the fall of 2016 that is not part of this sampling event is included in the annual remedial progress summary reports for 2017.

2. Sample Locations

Sitewide sampling locations and analyses were completed according to the SAP (see Table 1). Sample bottles were filled for seven types of analyses: volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), total and dissolved metals, general chemistry, radium-226/228, and polychlorinated biphenyls (PCBs). These samples were spread across five areas of the Site:

- Solids Area – 17 wells (Figure 2a)
- Farm Ponds Area – 32 wells (Figure 2b)
- Extraction Area – 25 wells (Figure 2c)
- Fabrication Area – 76 wells (Figure 2d)
- Surface Water – 5 creek locations in Murder Creek and Truax Creek (Figure 2e)

Many of the wells sampled during the remedial design work (*Remedial Design/Remedial Action Sitewide Work Plan,* CH2M-Hill, 1997) had not been sampled in many years. The sampling period was extended for a small sub-set of wells that could not be located, primarily because of the growth of blackberry vines and other occluding vegetation. A surveyor worked in conjunction with a landscape crew to locate the missing wells. One well, MW-11A in the East Perimeter Area, was found to have been damaged during historical construction activities at the Site. A driller was employed to reconstruct the surface monument and the well was successfully sampled. Eventually, every well listed in Table 1 was located and sampled. MW-09A, in the Fabrication Area, was completely dry for sampling. Several wells, such as PW-09, PW-104S, PW-107S and others did not have enough water to fill all of the sample jars, even with multiple trips to the well, and these omissions are footnoted in the complete analytical tables that comprise the appendices of this report. The radium-226/228 analysis, for example, requires the

filling of a 4-liter cube-container and this could not completed within the holding time requirements at a few of the poorer producing wells.

3. Sample Collection Procedures

3.1 Procedures

The samples were collected according to the guidelines provided in Section 4.1 of the SAP. An initial depth-to-water measurement was made after removing the well cap and allowing the well to vent. New, dedicated sample tubing was used in all wells. A Geopump II peristaltic pump was used in conjunction with a YSI multiparameter instrument, which was calibrated daily using fresh calibration standards and a flow-through cell to limit the interference of air. Water was purged until parameters were stable and drawdown was controlled following the U.S. Environmental Protection Agency's (EPA) *Low-Flow (minimal Drawdown) Groundwater Sampling Procedures* (Puls and Barcelona, 1996).

3.2 Water Levels

Groundwater elevations recorded during sampling are presented in Table 2. Because of the large number of wells to be sampled, the water level measurements were recorded over a long period of time and proved not to be suitable for water level contouring. Groundwater flow direction may be found more accurately by examining the most recent remedial progress summary for each particular area of the Site.

Annual remedial action progress summaries provide the most accurate information for waterlevel contouring because the measurements are synoptic for relevant groupings. In 2017 the static water level measurements were collected on a single day in the Solids Area, the Farm Ponds, and the Extraction Area. In the Fabrication Area the static water levels were collected synoptically in relevant groups over a four day period. Synoptic groundwater contouring for all areas of the facility will be provided in the 2017 progress summary due to EPA February 28, 2018.

3.3 Water Quality Parameters

Water quality parameters recorded after stabilization are presented in Table 3. Results are grouped by each of the main areas of the Site and include pH, specific conductivity, dissolved oxygen, oxidation-reduction potential, and temperature.

4. Quality Control Program

The Sitewide monitoring was completed in conformance with the Sitewide quality assurance project plan (QAPP) and the provisions of the SAP for the project. Duplicate samples for field quality control were collected at a frequency of 5 percent of the samples collected during the event. All duplicate samples were collected at the same time as the parent sample and blind-

labeled and delivered to the laboratory (Applied Sciences laboratory [ASL] in Corvallis, Oregon) with the normal shipment. Matrix spike and matrix spike duplicate samples also were collected at a frequency of 5 percent and when potential changes in the sample matrix were anticipated because of previous sampling results. ASL provided the use of approved analytical methods according to the QAPP, analytical data package deliverables, and conformance with the laboratory's quality assurance manual.

All samples were immediately placed in iced coolers and maintained under chain-of-custody protocols. ATI personnel delivered samples daily to ASL during collection periods.

Field and laboratory data were subjected to a formal verification and validation process in accordance with EPA guidance documents as described in the QAPP. An external party, as defined in EPA's *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (EPA, 2009) QA/QC Solutions, LLC performed the data validation to determine the usability of the data for meeting project objectives. An abbreviated validation review (i.e., a summary review of the results reported) was performed on 90% the data and a more comprehensive validation review was performed on 10% of the data as described in section D.1 of the QAPP.

Data qualifiers were assigned during data validation to the electronic data deliverables (EDD) when applicable QA/QC limits were not met and the qualification was warranted following guidance specified by EPA (2002, 2005, 2008, and 2010), QC requirements specified in the QAPP, and method-specific QC requirements, as applicable. Final, qualified (as necessary) laboratory results were transmitted in EDDs for data management, further evaluation, and reporting.

After verification and validation of the field and laboratory data as described above data completeness was calculated by comparing the total number of acceptable data (non-rejected data) to the total number of data points generated. Overall, completeness for the Sitewide sampling dataset was 100 percent (i.e., no data were rejected). Only three groundwater samples could not be collected from those listed in Table 1 of the Sitewide SAP; combined radium 226/228 at TMW-5 and PW-09A and SVOCs at PW-09A. The radium sample container requires 4 liters of water that neither of these two wells is capable of producing within the method hold time.TMW-5 recharges at a rate of approximately 200 ml a week and the unpurged well casing volume at PW-09A is typically less than 0.04 gallons. Two samples were collected for combined radium-226 and radium-228 that were not included in Table 1.

5. Analytical Results

5.1 Data Presentation

The sample locations and analyses are presented in Table 1. The individual analyses are further divided into many analytical compounds. Each compound is listed in Tables 3, 4, 5, and 6 of the SAP.

Analytical data from the Sitewide sampling event in this report are presented in two ways:

1. This section of the report (Section 5) provides a comprehensive summary, organized by Site area, compound class, and compound for every analytical compound that has a cleanup standard in Table B-4 of the Sitewide QAPP.

2. The appendices (A through E), again organized by Site area and compound class, present the complete analytical data for all compounds whether there is or is not an applicable cleanup standard.

In the sections below, information is provided about each compound in comparison to other data collected for that compound in the same area of the Site. For example, information about vinyl chloride (VC) results from the Farm Ponds Area is easy to find in the VOC section of the Farm Ponds Area results on page 17 (see Table 4). The VC summary, and all compound summaries include the following information:

- **How many wells are in the area?** (32 in the Farm Ponds Area)
- **What is the VC cleanup standard in the Farm Ponds Area?** (2 micrograms per liter [µg/L])
- **How many VC detections are above the cleanup standard in the Farm Ponds Area?** (zero of 32)
- **How many VC detections are below the ROD?** (3)
    - **How many of the detections are J-flagged estimates?** (2)
- **In how many locations was VC not detected?** (29 of 32)
    - **What is the method reporting limit for VC?** (0.5)
- **What is the VC concentration range in the Farm Ponds Area?** (0.55 µg/L to 0.5 U)
- **Where can the complete VC analytical data be found?** (Table B-4 in Appendix B)

Data summaries presented below are grouped by Site area in the following order:

1. Solids Area
2. Farm Ponds Area
3. Extraction Area
4. Fabrication Area
5. Surface Water

Within each Site area, the data are consistently presented in the following order:

1. Total Metals 13 compounds
2. Dissolved Metals 10 compounds
3. General Chemistry 3 compounds
4. VOCs 19 compounds
5. SVOCs 6 compounds
6. Combined radium-226/228
7. PCBs Farm Ponds Area and Fabrication Area only

The organization of the data presentation described above also can be found in the Table of Contents, Table 4 of this report, and on the cover sheet that is the first page of each appendix.

At EPA's request Figures 3 and 4 show the spatial distribution of 1,1-dichloroethene (DCE) and VC at the facility. Because there were no cleanup level exceedances for these compounds in the Solids Area or the Farm Ponds Area it was possible to keep the scale focused on the main plant and the Fabrication Area. There was one detection for VC in the Extraction Area at PW-22A (34.5 µg/L) and this is shown in Figure 4. This detection was unanticipated and the well will be resampled in April 2017 to confirm concentrations at the well.

5.2 Preliminary Findings

The monitoring well network performed as designed throughout the Sitewide sampling with few issues that were not able to be immediately resolved through survey work, vegetation clearing, or well maintenance. Since the Sitewide sampling event, Fabrication Area wells TMW-1 and TMW-4 have been removed as part of the source area removal project in the Acid Sump Area. These wells have been substituted with monitoring wells I-2, I-3, and EI-5. The replacement wells were sampled in the fall 2016 event and will be reported in the next annual progress summary for the Fabrication Area. Monitoring well MW-09A, which was dry for sampling during the Sitewide event, will be assessed for damage and repaired if necessary as it is not clear why this well was dry.

There were no cleanup standard exceedances in the perimeter wells with the exception of PW-22A in the Extraction Area and PW-15AR in the Fabrication Area. Both of these wells will be resampled in April 2017 to confirm concentrations observed in the Sitewide event. ATI will forward analytical results to EPA as soon as they become available so the agency will not have to wait for the next progress summaries from these two areas.

At EPA request this report includes two figures showing the sitewide distribution of 1,1-dichloroethene(Figure 3) and vinyl chloride (Figure 4). These concentration isopleths involve some measure of interpretation and the concentration borders could be dashed to reflect the uncertainty, as in groundwater contouring. In Figure 3, for example, MW-01A has a DCE concentration of 25.3 µg/L while approximately 70 feet to the southeast DCE is not detected in MW-11A. Exactly where the concentration of DCE drops to below 7 µg/L, the ROD standard for DCE, is unknown. The line position is informed, however, by examining the attenuation distance of DCE at other well locations and well-pairs throughout the site. The 2017 annual progress summaries provide additional information to assist in assessing the concentration distributions shown in these two figures.

In 2015, ATI installed additional wells (PW-105S, PW-106S, and PW-107S) in the Farm Ponds Area to assess the potential distribution of VOCs from former well SS, which was replaced by PW-104S. There were detections for VOCs in PW-104S, but none of those detections were observed in the new downgradient wells with the exception of a J-flagged estimated detection for 1,2-dichloroethane in PW-105S (0.23 µg/L J). There does not appear to be a downgradient VOC plume from the former well SS location in the Farm Ponds Area. A more detailed discussion of this conclusion is included in the 2017 progress summary for the Farm Ponds, which includes the most recent analytical data and synoptic groundwater contouring.

Analytical results for manganese in all areas have been highlighted in the data tables as exceedance of the cleanup standard. However, the cleanup level is a secondary maximum contaminant level, which is a guidance for aesthetic purposes and does not pose a risk.

Surface water sampling in Murder Creek and Truax Creek had no cleanup level exceedances with the exception of iron at sample points MC-U (1,120 µg/L) and MC-D (1,500 µg/L). The iron concentration at MC-U represents the background conditions in the creek before it flows adjacent to the facility. Cleanup levels for total and dissolved concentrations for cadmium, copper, lead, mercury, and zinc are function-based values using sample-specific calculations according to Table 30: *Aquatic Life Water Quality Criteria for Toxic Pollutants* (DEQ, 2016). The specific function based values are included in Tables E-1 and E-2. The surface water sampling results show there is no risk from offsite exposure in the adjacent creeks.

Solids Area

Location	**Solids Area**
Number of Wells	**17**
Well Locations	**Figure 2a**
Analytical Results	**Appendix A**

Total Metals

Compound Analytical Details	**Cleanup level (bold)** Analytical Results (µg/L)
Antimony	**6**
Detections above the ROD	0 of 17 wells
Detections below the ROD	11 wells (10 of 11 wells J-flagged)
Compound not detected	6 wells (U) method reporting limit: 0.5
Detected concentration range	0.79 to 0.0.031
Analytical data	Appendix A – Table A-1
Arsenic	**10**
Detections above the ROD	3 of 17 wells: PWB-1 (10.1), PWB-2 (14.2), PWE-1 (10.3)
Detections below the ROD	14 wells (5 of 14 wells J-flagged)
Compound not detected	0 wells (U) method reporting limit: 0.5
Detected concentration range	14.2 to 0.078
Analytical data	Appendix A – Table A-1
Barium	**2,000**
Detections above the ROD	0 of 17 wells
Detections below the ROD	17 wells (no J-flagged detections)
Compound not detected	0 wells (U) method reporting limit: 2
Detected concentration range	537 to 5.95
Analytical data	Appendix A – Table A-1
Beryllium	**1**
Detections above the ROD	0 of 17 wells
Detections below the ROD	4 wells (4 of 4 wells J-flagged)
Compound not detected	13 wells (U) method reporting limit: 0.5
Detected concentration range	0.09 to 0.025
Analytical data	Appendix A – Table A-1
Cadmium	**5**

Detections above the ROD	0 of 17 wells
Detections below the ROD	1 well (no J-flagged detections)
Compound not detected	16 wells (U) method reporting limit: 0.5
Detected concentration range	1.82 (one sample detected)
Analytical data	Appendix A – Table A-1
Chromium	**100**
Detections above the ROD	0 of 17 wells
Detections below the ROD	11 wells (10 of 11 wells J-flagged)
Compound not detected	6 wells (U) method reporting limit: 1
Detected concentration range	3.91 to 0.11
Analytical data	Appendix A – Table A-1
Copper	**1,000**
Detections above the ROD	0 of 17 wells
Detections below the ROD	8 wells (4 of 8 wells J-flagged)
Compound not detected	9 wells (U) method reporting limit: 2
Detected concentration range	56.9 to 1.16
Analytical data	Appendix A – Table A-1
Cyanide	**200**
Detections above the ROD	2 of 17 wells: PWF-1 (275), PWF-2 (323)
Detections below the ROD	9 wells (8 of 9 wells J-flagged)
Compound not detected	6 wells (U) method reporting limit: 5
Detected concentration range	323 to 2.08
Analytical data	Appendix A – Table A-1
Manganese	**50** (Secondary maximum contaminant level)
Detections above the ROD	16 of 17 wells: PW-07 (545), PW-09 (2,420), PW-17B (8,270), PWA-1 (6,310), PWA-2 (8,120), PWB-1 (2,310), PWB-2 (2,320), PWB-3 (20,200), PWC-1 (1,340), PWC-2 (937), PWD-1 (6,330), PWD-2 (1,870), PWE-1 (2,210), PWE-2 (11,800), PWF-1 (2,330), PWF-2 (2,730)
Detections below the ROD	1 wells (no J-flagged detections)
Compound not detected	0 wells (U) method reporting limit: 0.5
Detected concentration range	20,200 to 19.5
Analytical data	Appendix A – Table A-1
Mercury	**2**
Detections above the ROD	0 of 17 wells
Detections below the ROD	1 wells (1 of 1 wells J-flagged)
Compound not detected	16 wells (U) method reporting limit: 0.1
Detected concentration range	0.086 (one sample detected)
Analytical data	Appendix A – Table A-1
Selenium	**50**
Detections above the ROD	0 of 17 wells
Detections below the ROD	16 wells (12 of 16 wells J-flagged)
Compound not detected	1 wells (U) method reporting limit: 0.5
Detected concentration range	100.0 to 0.5
Analytical data	Appendix A – Table A-1

Thallium	**2**
Detections above the ROD	0 of 17 wells
Detections below the ROD	1 wells (1 of 1 wells J-flagged)
Compound not detected	16 wells (U) method reporting limit: 0.2
Detected concentration range	0.059 (one sample detected)
Analytical data	Appendix A – Table A-1
Uranium	**30**
Detections above the ROD	0 of 17 wells
Detections below the ROD	6 wells (3 of 6 wells J-flagged)
Compound not detected	11 wells (U) method reporting limit: 0.5
Detected concentration range	0.5 to 0.5
Analytical data	Appendix A – Table A-1

Dissolved Metals

Compound Analytical Details	**Cleanup level (bold)** Analytical Results (µg/L)
Antimony	**6**
Detections above the ROD	0 of 17 wells:
Detections below the ROD	4 wells (3 of 4 wells J-flagged)
Compound not detected	13 wells (U) method reporting limit: 0.5
Detected concentration range	1.54 to 0.15
Analytical data	Appendix A – Table A-2
Arsenic	**10**
Detections above the ROD	3 of 17 wells: PWB-1 (10.10), PWB-2 (14.50), PWE-1 (11.10)
Detections below the ROD	16 wells (4 of 16 wells J-flagged)
Compound not detected	1 wells (U) method reporting limit: 0.5
Detected concentration range	15.5 to 0.08
Analytical data	Appendix A – Table A-2
Barium	**2,000**
Detections above the ROD	0 of 17 wells
Detections below the ROD	17 wells (no J-flagged detections)
Compound not detected	0 wells (U) method reporting limit: 2
Detected concentration range	545 to 5.95
Analytical data	Appendix A – Table A-2
Beryllium	**1**
Detections above the ROD	0 of 17 wells
Detections below the ROD	2 wells (2 of 2 wells J-flagged)
Compound not detected	15 wells (U) method reporting limit: 0.5
Detected concentration range	0.072 to 0.029
Analytical data	Appendix A – Table A-2
Cadmium	**5**
Detections above the ROD	0 of 17 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	17 wells (U) method reporting limit: 0.5
Detected concentration range	No detections

Analytical data	Appendix A – Table A-2
Chromium	**100**
Detections above the ROD	0 of 17 wells
Detections below the ROD	15 wells (9 of 15 wells J-flagged)
Compound not detected	2 wells (U) method reporting limit: 1
Detected concentration range	2.21 to 0.43
Analytical data	Appendix A – Table A-2
Copper	**1,000**
Detections above the ROD	0 of 17 wells
Detections below the ROD	4 wells (no J-flagged detections)
Compound not detected	13 wells (U) method reporting limit: 2
Detected concentration range	8.08 to 2.79
Analytical data	Appendix A – Table A-2
Manganese	**50** (Secondary maximum contaminant level)
Detections above the ROD	14 of 15 wells: PW-07 (571), PW-09 (1,980), PW-17B (6,970), PWA-1 (6,430), PWA-2 (8,100), PWB-1 (2,270), PWB-2 (2,310), PWB-3 (14,800), PWC-1 (1,310), PWC-2 (905), PWD-1 (6,110), PWD-2 (1,780), PWF-1 (2,280), PWF-2 (2,650)
Detections below the ROD	1 wells (no J-flagged detections)
Compound not detected	0 wells (U) method reporting limit: 0.5
Detected concentration range	14,800 to 18.2
Analytical data	Appendix A – Table A-2
Selenium	**50**
Detections above the ROD	0 of 17 wells
Detections below the ROD	15 wells (10 of 15 wells J-flagged)
Compound not detected	2 wells (U) method reporting limit: 0.5
Detected concentration range	4.02 to 0.19
Analytical data	Appendix A – Table A-2
Uranium	**30**
Detections above the ROD	0 of 17 wells
Detections below the ROD	6 wells (2 of 6 wells J-flagged)
Compound not detected	12 wells (U) method reporting limit: 0. 5
Detected concentration range	2.1 to 0.1
Analytical data	Appendix A – Table A-2

General Chemistry

Compound Analytical Details	**Cleanup level (bold)** Analytical Results (mg/L)
Ammonium	**250**
Detections above the ROD	0 of 17 wells
Detections below the ROD	16 wells (no J-flagged detections)
Compound not detected	1 well (U) method reporting limit: 0.05
Detected concentration range	104 to 0.18
Analytical data	Appendix A – Table A-3
Fluoride	**4**
Detections above the ROD	1 of 17 wells

Detections below the ROD	16 wells	(9 of 16 wells J-flagged)
Compound not detected	1 well (U)	method reporting limit: 1
Detected concentration range	10.4 to 0.053	
Analytical data	Appendix A – Table A-3	
Nitrate	**10**	
Detections above the ROD	0 of 17 wells	
Detections below the ROD	9 wells	(3 of 9 wells J-flagged)
Compound not detected	8 wells (U)	method reporting limit: 0.1
Detected concentration range	2.58 to 0.097	
Analytical data	Appendix A – Table A-3	

Volatile Organic Compounds

Compound Analytical Details	Cleanup level (bold) Analytical Results (µg/L)	
Vinyl Chloride (VC)	**2**	
Detections above the ROD	0 of 17 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	17 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix A – Table A-4	
1,1-Dichloroethylene (DCE)	**7**	
Detections above the ROD	0 of 17 wells	
Detections below the ROD	4 wells	(3 of 4 wells J-flagged)
Compound not detected	13 wells (U)	method reporting limit: 0.5
Detected concentration range	1.2 to 0.18	
Analytical data	Appendix A – Table A-4	
cis-1,2-Dichloroethylene (cis-DCE)	**70**	
Detections above the ROD	0 of 17 wells	
Detections below the ROD	2 wells	(2 of 2 wells J-flagged)
Compound not detected	15 wells (U)	method reporting limit: 0.5
Detected concentration range	0.24 to 0.21	
Analytical data	Appendix A – Table A-4	
Chloroform	**70**	
Detections above the ROD	0 of 17 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	17 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix A – Table A-4	
1,2-Dichloroethane	**5**	
Detections above the ROD	0 of 17 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	17 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix A – Table A-4	
1,1,1-Trichloroethane (TCA)	**200**	

Detections above the ROD	0 of 17 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	17 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix A – Table A-4	
Carbon tetrachloride	**5**	
Detections above the ROD	0 of 17 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	17 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix A – Table A-4	
1,2-Dichloropropane	**5**	
Detections above the ROD	0 of 17 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	17 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix A – Table A-4	
Trichloroethylene (TCE)	**5**	
Detections above the ROD	0 of 17 wells	
Detections below the ROD	2 wells	(1 of 2 wells J-flagged)
Compound not detected	15 wells (U)	method reporting limit: 0.5
Detected concentration range	0.71 to 0.16	
Analytical data	Appendix A – Table A-4	
Dibromochloromethane	**60**	
Detections above the ROD	0 of 17 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	17 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix A – Table A-4	
1,1,2-Trichloroethane	**3**	
Detections above the ROD	0 of 17 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	17 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix A – Table A-4	
Benzene	**5**	
Detections above the ROD	0 of 17 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	17 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix A – Table A-4	
Tetrachloroethylene	**5**	
Detections above the ROD	0 of 17 wells	
Detections below the ROD	0 wells	(no J-flagged detections)

Compound not detected	17 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix A – Table A-4	
Toluene	**1,000**	
Detections above the ROD	0 of 17 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	17 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix A – Table A-4	
1,1,2,2-Tetrachloroethane	**0.175**	
Detections above the ROD	0 of 17 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	17 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix A – Table A-4	
Chlorobenzene	**100**	
Detections above the ROD	0 of 17 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	17 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix A – Table A-4	
Styrene	**100**	
Detections above the ROD	0 of 17 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	17 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix A – Table A-4	
Xylene (total)	**10,000**	
Detections above the ROD	0 of 17 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	17 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix A – Table A-4	

Semivolatile Compounds

Compound Analytical Details	**Cleanup level (bold)** Analytical Results (µg/L)	
1,2,4-Trichlorobenzene	**70**	
Detections above the ROD	0 of 16 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	16 wells (U)	method reporting limit: 5.0
Detected concentration range	No detections	
Analytical data	Appendix A – Table A-5	
Hexachlorocyclopentadiene	**50**	
Detections above the ROD	0 of 16 wells	

Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	16 wells (U)	method reporting limit: 5.0
Detected concentration range	No detections	
Analytical data	Appendix A – Table A-5	
2,4,5-Trichlorophenol	**50**	
Detections above the ROD	0 of 16 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	16 wells (U)	method reporting limit: 5.0
Detected concentration range	No detections	
Analytical data	Appendix A – Table A-5	
Hexachlorobenzene	**1**	
Detections above the ROD	0 of 16 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	16 wells (U)	method reporting limit: 5.0
Detected concentration range	No detections	
Analytical data	Appendix A – Table A-5	
Pentachlorophenol	**1**	
Detections above the ROD	0 of 16 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	16 wells (U)	method reporting limit: 5.0
Detected concentration range	No detections	
Analytical data	Appendix A – Table A-5	
Benzo(a)pyrene	**0.2**	
Detections above the ROD	0 of 16 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	16 wells (U)	method reporting limit: 5.0
Detected concentration range	No detections	
Analytical data	Appendix A – Table A-5	

Combined Radium-226 and Radium-228

Compound Analytical Details	**Cleanup level (bold)** Analytical Results (pCi/L)	
Radium-226 and radium-228	**5**	
Detections above the ROD	1 of 16 wells: PWB-3 (7.0)	
Detections below the ROD	15 wells	(no J-flagged detections)
Compound not detected	0 wells (U)	method reporting limit: 3.0
Detected concentration range	7.0 to 0.07	
Analytical data	Appendix A – Table A-6	

Farm Ponds Area

Location	**Farm Ponds**
Number of Wells	**32**
Well Locations	**Figure 2b**
Analytical Results	**Appendix B**

Total Metals

Compound / Analytical Details	Cleanup level (bold) / Analytical Results (µg/L)
Antimony	**6**
Detections above the ROD	0 of 32 wells
Detections below the ROD	20 wells (20 of 20 wells J-flagged)
Compound not detected	12 wells (U) method reporting limit: 0.5
Detected concentration range	0.24 to 0.033
Analytical data	Appendix B – Table B-1
Arsenic	**10**
Detections above the ROD	1 of 32 wells: PW-37A (21.1)
Detections below the ROD	31 wells (7 of 31 wells J-flagged)
Compound not detected	0 wells (U) method reporting limit: 0.5
Detected concentration range	21.1 to 0.14
Analytical data	Appendix B – Table B-1
Barium	**2,000**
Detections above the ROD	0 of 32 wells
Detections below the ROD	32 wells (no J-flagged detections)
Compound not detected	0 wells (U) method reporting limit: 2.0
Detected concentration range	172 to 6.21
Analytical data	Appendix B – Table B-1
Beryllium	**1**
Detections above the ROD	0 of 32 wells
Detections below the ROD	2 wells (2 of 2 wells J-flagged)
Compound not detected	30 wells (U) method reporting limit: 0.5
Detected concentration range	0.31 to 0.062
Analytical data	Appendix B – Table B-1
Cadmium	**5**
Detections above the ROD	0 of 32 wells
Detections below the ROD	3 wells (3 of 3 wells J-flagged)
Compound not detected	29 wells (U) method reporting limit: 0.5
Detected concentration range	0.2 to 0.065
Analytical data	Appendix B – Table B-1
Chromium	**100**
Detections above the ROD	0 of 32 wells
Detections below the ROD	17 wells (13 of 17 wells J-flagged)
Compound not detected	15 wells (U) method reporting limit: 1.0

Detected concentration range	14.5 to 0.11
Analytical data	Appendix B – Table B-1
Copper	**1,000**
Detections above the ROD	0 of 32 wells
Detections below the ROD	5 wells (1 of 5 wells J-flagged)
Compound not detected	27 wells (U) method reporting limit: 2.0
Detected concentration range	19.8 to 1.45
Analytical data	Appendix B – Table B-1
Cyanide	**200**
Detections above the ROD	0 of 32 wells
Detections below the ROD	11 wells (7 of 11 wells J-flagged)
Compound not detected	21 wells (U) method reporting limit: 5.0
Detected concentration range	46.5 to 1.57
Analytical data	Appendix B – Table B-1
Manganese	**50** (Secondary maximum contaminant level)
Detections above the ROD	25 of 32 wells: HW (89.6), ND (124), PW-36A (175), PW-37A (766), PW-38A (144), PW-39A (97.2), PW-40A (1,780), PW-40S (1,480), PW-43A (2,080), PW-44A (494), PW-64A (359), PW-64S (293), PW-65A (998), PW-65S (163), PW-66A (1,460), PW-66S (78.7), PW-67A (3,720), PW-67S (180), PW-104S (5,590), PW-105S (607), PW-106S (1,870), PW-107S (499), PW-108A (184), WD-1 (980), WD-2 (1,190)
Detections below the ROD	7 wells (no J-flagged detections)
Compound not detected	0 wells (U) method reporting limit: 0.5
Detected concentration range	5,590 to 0.64
Analytical data	Appendix B – Table B-1
Mercury	**2**
Detections above the ROD	0 of 32 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	32 wells (U) method reporting limit: 0.1
Detected concentration range	No detections
Analytical data	Appendix B – Table B-1
Selenium	**50**
Detections above the ROD	0 of 32 wells
Detections below the ROD	32 wells (24 of 32 wells J-flagged)
Compound not detected	0 wells (U) method reporting limit: 0.5
Detected concentration range	1.41 to 0.11
Analytical data	Appendix B – Table B-1
Thallium	**2**
Detections above the ROD	0 of 32 wells
Detections below the ROD	2 wells (2 of 2 wells J-flagged)
Compound not detected	30 wells (U) method reporting limit: 0.2
Detected concentration range	0.1 to 0.028
Analytical data	Appendix B – Table B-1

Uranium	**30**
Detections above the ROD	0 of 32 wells
Detections below the ROD	18 wells (11 of 18 wells J-flagged)
Compound not detected	14 well (U) method reporting limit: 0.5
Detected concentration range	4.0 to 0.1
Analytical data	Appendix B – Table B-1

Dissolved Metals

Compound Analytical Details	Cleanup level (bold) Analytical Results (µg/L)
Antimony	**6**
Detections above the ROD	0 of 32 wells
Detections below the ROD	5 wells (5 of 5 wells J-flagged)
Compound not detected	27 well (U) method reporting limit: 0.5
Detected concentration range	0.32 to 0.039
Analytical data	Appendix B – Table B-2
Arsenic	**10**
Detections above the ROD	1 of 32 wells: PW-37A (24.5)
Detections below the ROD	31 wells (8 of 31 wells J-flagged)
Compound not detected	0 wells (U) method reporting limit: 0.5
Detected concentration range	24.5 to 0.12
Analytical data	Appendix B – Table B-2
Barium	**2,000**
Detections above the ROD	0 of 32 wells
Detections below the ROD	32 wells (1 of 32 wells J-flagged)
Compound not detected	0 wells (U) method reporting limit: 2.0
Detected concentration range	176 to 1.44
Analytical data	Appendix B – Table B-2
Beryllium	**1**
Detections above the ROD	0 of 32 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	32 wells (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix B – Table B-2
Cadmium	**5**
Detections above the ROD	0 of 32 wells
Detections below the ROD	1 well (1 of 1 wells J-flagged)
Compound not detected	31 wells (U) method reporting limit: 0.5
Detected concentration range	0.078 (one sample detected)
Analytical data	Appendix B – Table B-2
Chromium	**100**
Detections above the ROD	0 of 32 wells
Detections below the ROD	32 wells (28 of 32 wells J-flagged)
Compound not detected	0 wells (U) method reporting limit: 1.0
Detected concentration range	5.1 to 0.19

Analytical data	Appendix B – Table B-2
Copper	**1,000**
Detections above the ROD	0 of 32 wells
Detections below the ROD	3 wells (1 of 3 wells J-flagged)
Compound not detected	29 wells (U) method reporting limit: 2.0
Detected concentration range	8.0 to 1.86
Analytical data	Appendix B – Table B-2
Manganese	**50** (Secondary maximum contaminant level)
Detections above the ROD	22 of 32 wells: HW (80), ND (115), PW-36A (18.1), PW-37A (573), PW-38A (138), PW-39A (74.6), PW-40A (1,440), PW-40S (1,440), PW-43A (105), PW-44A (133), PW-64A (360), PW-64S (298), PW-65A (681), PW-65S (177), PW-66A (1,080), PW-66S (34.1), PW-67A (2090), PW-67S (152), PW-104S (5,470), , PW-105S (613), PW-106S (1,640), PW-107S (512), PW-108A (180), WD-1 (819), WD-2 (566)
Detections below the ROD	9 wells (3 of 9 wells J-flagged)
Compound not detected	0 wells (U) method reporting limit: 0.5
Detected concentration range	5,470 to 0.069
Analytical data	Appendix B – Table B-2
Selenium	**50**
Detections above the ROD	0 of 32 wells
Detections below the ROD	32 wells (21 of 32 wells J-flagged)
Compound not detected	0 wells (U) method reporting limit: 0.5
Detected concentration range	2.24 to 0.097
Analytical data	Appendix B – Table B-2
Uranium	**30**
Detections above the ROD	0 of 32 wells
Detections below the ROD	18 wells (13 of 18 wells J-flagged)
Compound not detected	14 wells (U) method reporting limit: 0.5
Detected concentration range	4.0 to 0. 1
Analytical data	Appendix B – Table B-2

General Chemistry

Compound Analytical Details	**Cleanup level (bold)** Analytical Results (mg/L)
Ammonium	**250**
Detections above the ROD	0 of 32 wells
Detections below the ROD	17 wells (5 of 17 wells J-flagged)
Compound not detected	14 wells (U) method reporting limit: 0.005
Detected concentration range	0.42 to 0.032
Analytical data	Appendix B – Table B-3
Fluoride	**4**
Detections above the ROD	0 of 32 wells
Detections below the ROD	24 wells (24 of 24 wells J-flagged)
Compound not detected	8 wells (U) method reporting limit: 1.0

Detected concentration range	0.76 to 0.092
Analytical data	Appendix B – Table B-3
Nitrate	**10**
Detections above the ROD	0 of 32 wells
Detections below the ROD	16 wells (7 of 16 wells J-flagged)
Compound not detected	16 wells (U) method reporting limit: 0.1
Detected concentration range	4.31 to 0.076
Analytical data	Appendix B – Table B-3

Volatile Organic Compounds

Compound Analytical Details	Cleanup level (bold) Analytical Results (µg/L)
Vinyl Chloride (VC)	**2**
Detections above the ROD	0 of 32 wells
Detections below the ROD	3 wells (2 of 3 wells J-flagged)
Compound not detected	29 wells (U) method reporting limit: 0.5
Detected concentration range	0.55 to 0.3
Analytical data	Appendix B – Table B-4
1,1-Dichloroethylene (DCE)	**7**
Detections above the ROD	0 of 32 wells
Detections below the ROD	1 wells (no J-flagged detections)
Compound not detected	31 wells (U) method reporting limit: 0.5
Detected concentration range	1.52 (One sample detected)
Analytical data	Appendix B – Table B-4
1,1-Dichloroethane (DCA)	**810**
Detections above the ROD	0 of 32 wells
Detections below the ROD	7 wells (1 of 7 wells J-flagged)
Compound not detected	25 wells (U) method reporting limit: 0.5
Detected concentration range	16.2 to 0.28
Analytical data	Appendix B – Table B-4
cis-1,2-Dichloroethene (cis-DCE)	**70**
Detections above the ROD	0 of 32 wells
Detections below the ROD	4 wells (1 of 4 J-flagged detections)
Compound not detected	28 wells (U) method reporting limit: 0.5
Detected concentration range	41.6 to 0.35
Analytical data	Appendix B – Table B-4
Chloroform	**70**
Detections above the ROD	0 of 32 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	32 wells (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix B – Table B-4
1,2-Dichloroethane	**5**
Detections above the ROD	1 of 32 wells: PW-104S (6.09)
Detections below the ROD	4 wells (3 of 4 wells J-flagged)

Compound not detected	27 wells (U) method reporting limit: 0.5
Detected concentration range	6.09 to 0.16
Analytical data	Appendix B – Table B-4
1,1,1-Trichloroethane (TCA)	**200**
Detections above the ROD	0 of 32 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	32 wells (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix B – Table B-4
Carbon tetrachloride	**5**
Detections above the ROD	0 of 32 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	32 wells (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix B – Table B-4
1,2-Dichloropropane	**5**
Detections above the ROD	0 of 32 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	32 wells (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix B – Table B-4
Trichloroethylene (TCE)	**5**
Detections above the ROD	1 of 32 wells: PW-104S (19)
Detections below the ROD	2 wells (1 of 2 wells J-flagged)
Compound not detected	29 wells (U) method reporting limit: 0.5
Detected concentration range	19 to 0.36
Analytical data	Appendix B – Table B-4
Dibromochloromethane	**60**
Detections above the ROD	0 of 32 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	32 wells (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix B – Table B-4
1,1,2-Trichloroethane	**3**
Detections above the ROD	1 of 32 wells: PW-104S (12.2)
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	31 wells (U) method reporting limit: 0.5
Detected concentration range	12.2 (One sample detected)
Analytical data	Appendix B – Table B-4
Benzene	**5**
Detections above the ROD	0 of 32 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	32 wells (U) method reporting limit: 0.5
Detected concentration range	No detections

Analytical data	Appendix B – Table B-4
Tetrachloroethylene	**5**
Detections above the ROD	1 of 32 wells: PW-104S (7.3)
Detections below the ROD	3 wells (2 of 3 wells J-flagged)
Compound not detected	28 wells (U) method reporting limit: 0.5
Detected concentration range	7.3 to 0.18
Analytical data	Appendix B – Table B-4
Toluene	**1,000**
Detections above the ROD	0 of 32 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	32 wells (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix B – Table B-4
1,1,2,2-Tetrachloroethane	**0.175**
Detections above the ROD	1 of 32 wells: PW-104S (0.37 J)
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	31 wells (U) method reporting limit: 0.5
Detected concentration range	0.37 (One sample detected)
Analytical data	Appendix B – Table B-4
Chlorobenzene	**100**
Detections above the ROD	0 of 32 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	32 wells (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix B – Table B-4
Styrene	**100**
Detections above the ROD	0 of 32 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	32 wells (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix B – Table B-4
Xylene (total)	**10,000**
Detections above the ROD	0 of 32 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	32 wells (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix B – Table B-4

Semivolatile Compounds

Compound Analytical Details	**Cleanup level (bold)** Analytical Results (µg/L)
1,2,4-Trichlorobenzene	**70**
Detections above the ROD	0 of 32 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	32 wells (U) method reporting limit: 0.5

Detected concentration range	No detections
Analytical data	Appendix B – Table B-5
Hexachlorocyclopentadiene	**50**
Detections above the ROD	0 of 32 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	32 wells (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix B – Table B-5
2,4,5-Trichlorophenol	**50**
Detections above the ROD	0 of 32 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	32 wells (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix B – Table B-5
Hexachlorobenzene	**1**
Detections above the ROD	0 of 32 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	32 wells (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix B – Table B-5
Pentachlorophenol	**1**
Detections above the ROD	0 of 32 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	32 wells (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix B – Table B-5
Benzo(a)pyrene	**0.2**
Detections above the ROD	0 of 32 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	32 wells (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix B – Table B-5

Combined Radium-226 and Radium-228

Compound Analytical Details	Cleanup level (bold) Analytical Results (pCi/L)
Radium-226 and radium-228	**5**
Detections above the ROD	0 of 31 wells
Detections below the ROD	31 wells (2 of 31 wells J-flagged)
Compound not detected	0 wells (U) method reporting limit: 3.0
Detected concentration range	2.27 to -0.42
Analytical data	Appendix B – Table B-6

Polychlorinated Biphenyl

Compound Analytical Details	Cleanup level (bold) Analytical Results (µg/L)
Polychlorinated biphenyl (PCB)	**0.5 (total)**
Detections above the ROD	0 of 1 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	1 wells (U) method reporting limit: 1.0
Detected concentration range	No detections
Analytical data	Appendix B – Table B-7

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Extraction Area

Location	**Extraction Area**
Number of Wells	**25**
Well Locations	**Figure 2c**
Analytical Results	**Appendix C**

Total Metals

Compound Analytical Details	**Cleanup level (bold)** Analytical Results (µg/L)
Antimony	**6**
Detections above the ROD	0 of 25 wells
Detections below the ROD	8 wells (8 of 8 wells J-flagged)
Compound not detected	17 wells (U) method reporting limit: 0.5
Detected concentration range	0.48 to 0.033
Analytical data	Appendix C – Table C-1
Arsenic	**10**
Detections above the ROD	5 of 25 wells: EW-6 (15.3), PW-47A (12.1), PW-48A (11.8), PW-96A (17.4), PW-97A (11.1)
Detections below the ROD	15 wells (5 of 15 wells J-flagged)
Compound not detected	5 wells (U) method reporting limit: 0.5
Detected concentration range	17.4 to 0.2
Analytical data	Appendix C – Table C-1
Barium	**2,000**
Detections above the ROD	0 of 25 wells
Detections below the ROD	25 wells (2 of 25 wells J-flagged)
Compound not detected	0 wells (U) method reporting limit: 0.5
Detected concentration range	811 to 1.09
Analytical data	Appendix C – Table C-1
Beryllium	**1**
Detections above the ROD	5 of 25 wells: EW-1 (16.1 J), EW-2 (10.7 J), PW-28A (3.75 J), PW-50A (3.08 J), PW-52A (20 J)
Detections below the ROD	11 wells (10 of 11 wells J-flagged)
Compound not detected	9 wells (U) method reporting limit: 2.0
Detected concentration range	20 to 0.028
Analytical data	Appendix C – Table C-1
Cadmium	**5**
Detections above the ROD	1 of 25 wells: EW-2 (911)
Detections below the ROD	9 wells (8 of 9 wells J-flagged)
Compound not detected	15 wells (U) method reporting limit: 0.5
Detected concentration range	911 to 0.03
Analytical data	Appendix C – Table C-1
Chromium	**100**
Detections above the ROD	0 of 25 wells
Detections below the ROD	13 wells (11 of 13 wells J-flagged)

Compound not detected	12 wells (U) method reporting limit: 1.0
Detected concentration range	78.6 to 0.12
Analytical data	Appendix C – Table C-1
Copper	**1,000**
Detections above the ROD	0 of 25 wells
Detections below the ROD	11 wells (6 of 11 wells J-flagged)
Compound not detected	14 wells (U) method reporting limit: 2.0
Detected concentration range	395 to 0.75
Analytical data	Appendix C – Table C-1
Cyanide	**200**
Detections above the ROD	0 of 25 wells
Detections below the ROD	9 wells (6 of 9 wells J-flagged)
Compound not detected	16 wells (U) method reporting limit: 5.0
Detected concentration range	24.2 to 1.63
Analytical data	Appendix C – Table C-1
Manganese	**50** (Secondary maximum contaminant level)
Detections above the ROD	21 of 25 wells: EW-1 (52,800), EW-2 (31,800), EW-3 (19,900), EW-4 (175), EW-5 (2,430), EW-6 (9,700), PW-06 (95.6), PW-21A (57.5), PW-22A (1,790), PW-23A (2,140), PW-24A (4,870), PW-25A (67.6), PW-27A (1,170), PW-28A (16,600), PW-47A (5,370), PW-50A (8,800), PW-51A (8,220), PW-52A (17,100), PW-57A (5,550), PW-96A (6,410), PW-97A (10,000)
Detections below the ROD	4 wells (no J-flagged detections)
Compound not detected	0 wells (U) method reporting limit: 0.5
Detected concentration range	52,800 to 7.55
Analytical data	Appendix C – Table C-1
Mercury	**2**
Detections above the ROD	0 of 25 wells
Detections below the ROD	2 wells (1 of 2 wells J-flagged)
Compound not detected	23 wells (U) method reporting limit: 0.1
Detected concentration range	0.16 to 0.054
Analytical data	Appendix C – Table C-1
Selenium	**50**
Detections above the ROD	0 of 32 wells
Detections below the ROD	19 wells (5 of 19 wells J-flagged)
Compound not detected	6 wells (U) method reporting limit: 0.5
Detected concentration range	1.99 to 0.1
Analytical data	Appendix C – Table C-1
Thallium	**2**
Detections above the ROD	0 of 25 wells
Detections below the ROD	1 wells (no J-flagged detections)
Compound not detected	24 wells (U) method reporting limit: 0.2
Detected concentration range	0.21 (One sample detected)
Analytical data	Appendix C – Table C-1

Uranium	**30**
Detections above the ROD	3 of 25 wells: EW-2 (43.5), PW-28A (31.3), PW-97A (36.4)
Detections below the ROD	9 wells (4 of 9 wells J-flagged)
Compound not detected	13 wells (U) method reporting limit: 0.5
Detected concentration range	43.5 to 0.1
Analytical data	Appendix C – Table C-1

Dissolved Metals

Compound Analytical Details	**Cleanup level (bold)** Analytical Results (µg/L)
Antimony	**6**
Detections above the ROD	0 of 25 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	25 wells (U) method reporting limit: 0. 5
Detected concentration range	No detections
Analytical data	Appendix C – Table C-2
Arsenic	**10**
Detections above the ROD	5 of 25 wells: EW-6 (14.1), PW-47A (10.2), PW-48A (11.5), PW-96A (17.6), PW-97A (11.6)
Detections below the ROD	14 wells (2 of 14 wells J-flagged)
Compound not detected	6 wells (U) method reporting limit: 0. 5
Detected concentration range	17.6 to 0.059
Analytical data	Appendix C – Table C-2
Barium	**2,000**
Detections above the ROD	0 of 25 wells
Detections below the ROD	25 wells (3 of 25 wells J-flagged)
Compound not detected	0 wells (U) method reporting limit: 2.0
Detected concentration range	782 to 1.6
Analytical data	Appendix C – Table C-2
Beryllium	**1**
Detections above the ROD	4 of 25 wells: EW-1 (13.8 J), EW-2 (9.56 J), PW-28A (3.46 J), PW-52A (18.8 J)
Detections below the ROD	11 wells (10 of 11 wells J-flagged)
Compound not detected	10 wells (U) method reporting limit: 0. 5
Detected concentration range	18.8 to 0.032
Analytical data	Appendix C – Table C-2
Cadmium	**5**
Detections above the ROD	1 of 25 wells: EW-2 (11.8 J)
Detections below the ROD	4 wells (3 of 4 wells J-flagged)
Compound not detected	20 wells (U) method reporting limit: 0.5
Detected concentration range	11.8 to 0.09
Analytical data	
Chromium	**100**
Detections above the ROD	1 of 25 wells: EW-2 (659)
Detections below the ROD	15 wells (14 of 15 wells J-flagged)
Compound not detected	9 wells (U) method reporting limit: 1.0

Detected concentration range	659 to 0.11
Analytical data	Appendix C – Table C-2
Copper	**1,000**
Detections above the ROD	0 of 25 wells
Detections below the ROD	7 wells (5 of 7 wells J-flagged)
Compound not detected	18 wells (U) method reporting limit: 2.0
Detected concentration range	352 to 0.61
Analytical data	Appendix C – Table C-2
Manganese	**50** (Secondary maximum contaminant level)
Detections above the ROD	19 of 25 wells: EW-1 (49,300), EW-2 (32,000), EW-3 (17,400), EW-5 (2,310), EW-6 (9,360), PW-06 (93.4), PW-21A (59.8), PW-22A (1,650), PW-23A (2,070), PW-24A (4,430), PW-27A (1,130), PW-28A (16,600), PW-47A (5,120), PW-50A (8,170), PW-51A (7,630), PW-52A (15,200), PW-57A (5,390), PW-96A (6,100), PW-97A (9,640)
Detections below the ROD	6 wells (no J-flagged detections)
Compound not detected	0 wells (U) method reporting limit: 0.5
Detected concentration range	49,300 to 0.54
Analytical data	Appendix C – Table C-2
Selenium	**50**
Detections above the ROD	0 of 25 wells
Detections below the ROD	20 wells (4 of 20 wells J-flagged)
Compound not detected	5 wells (U) method reporting limit: 0. 5
Detected concentration range	7.47 to 0.088
Analytical data	Appendix C – Table C-2
Uranium	**30**
Detections above the ROD	2 of 25 wells: EW-2 (39.4), PW-97A (35.3)
Detections below the ROD	10 wells (4 of 10 wells J-flagged)
Compound not detected	13 wells (U) method reporting limit: 0.0005
Detected concentration range	39.4 to 0.1
Analytical data	Appendix C – Table C-2

General Chemistry

Compound Analytical Details	**Cleanup level (bold)** Analytical Results (mg/L)
Ammonium	**250**
Detections above the ROD	0 of 25 wells
Detections below the ROD	19 wells (2 of 19 wells J-flagged)
Compound not detected	6 wells (U) method reporting limit: 0.05
Detected concentration range	150 to 0.021
Analytical data	Appendix C – Table C-3
Fluoride	**4**
Detections above the ROD	7 of 25 wells: EW-1 (9.76 J), EW-2 (4.54 J), EW-4 (4.66), EW-5 (12.4), PW-23A (22.8), PW-26A (5.46), PW-52A (9 J)
Detections below the ROD	18 wells (13 of 18 wells J-flagged)

Compound not detected	0 wells (U) method reporting limit: 1.0
Detected concentration range	22.8 to 0.25
Analytical data	Appendix C – Table C-3
Nitrate	**10**
Detections above the ROD	5 of 25 wells: PW-21A (15.8 J), PW-24A (16.6 J), PW-27A (42.2 J), PW-51A (107 J), PW-52A (21 J)
Detections below the ROD	15 wells (4 of 15 wells J-flagged)
Compound not detected	5 wells (U) method reporting limit: 0.1
Detected concentration range	107 to 0.15
Analytical data	Appendix C – Table C-3

Volatile Organic Compounds

Compound Analytical Details	**Cleanup level (bold)** Analytical Results (µg/L)
Vinyl Chloride (VC)	**2**
Detections above the ROD	1 of 25 wells: PW-22A (34.5)
Detections below the ROD	4 wells (2 of 4 wells J-flagged)
Compound not detected	20 wells (U) method reporting limit: 0.5
Detected concentration range	34.5 to 0.25
Analytical data	Appendix C – Table C-4
1,1-Dichloroethylene (DCE)	**7**
Detections above the ROD	0 of 25 wells
Detections below the ROD	9 wells (5 of 9 wells J-flagged)
Compound not detected	16 wells (U) method reporting limit: 0.5
Detected concentration range	1.26 to 0.24
Analytical data	Appendix C – Table C-4
1,1-Dichloroethane (DCA)	**1,280**
Detections above the ROD	0 of 25 wells
Detections below the ROD	17 wells (5 of 17 wells J-flagged)
Compound not detected	8 wells (U) method reporting limit: 0.5
Detected concentration range	5.31 to 0.28
Analytical data	Appendix C – Table C-4
cis-1,2-Dichloroethene (cis-DCE)	**70**
Detections above the ROD	0 of 25 wells
Detections below the ROD	7 wells (2 of 7 wells J-flagged)
Compound not detected	18 wells (U) method reporting limit: 0.5
Detected concentration range	3.81 to 0.27
Analytical data	Appendix C – Table C-4
Chloroform	**70**
Detections above the ROD	0 of 25 wells
Detections below the ROD	14 wells (5 of 14 wells J-flagged)
Compound not detected	11 wells (U) method reporting limit: 0.5
Detected concentration range	35.7 to 0.2
Analytical data	Appendix C – Table C-4

1,2-Dichloroethane	**5**	
Detections above the ROD	0 of 25 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	25 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix C – Table C-4	
1,1,1-Trichloroethane (TCA)	**200**	
Detections above the ROD	0 of 25 wells	
Detections below the ROD	8 wells	(5 of 8 wells J-flagged)
Compound not detected	17 wells (U)	method reporting limit: 0.5
Detected concentration range	1.15 to 0.18	
Analytical data	Appendix C – Table C-4	
Carbon tetrachloride	**5**	
Detections above the ROD	0 of 25 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	25 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix C – Table C-4	
1,2-Dichloropropane	**5**	
Detections above the ROD	0 of 25 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	25 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix C – Table C-4	
Trichloroethylene (TCE)	**5**	
Detections above the ROD	0 of 25 wells	
Detections below the ROD	10 wells	(8 of 10 J-flagged detections)
Compound not detected	25 wells (U)	method reporting limit: 0.5
Detected concentration range	1.13 to 0.15	
Analytical data	Appendix C – Table C-4	
Dibromochloromethane	**60**	
Detections above the ROD	0 of 25 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	25 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix C – Table C-4	
1,1,2-Trichloroethane	**3**	
Detections above the ROD	0 of 25 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	25 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix C – Table C-4	
Benzene	**5**	
Detections above the ROD	0 of 25 wells	

Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	25 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix C – Table C-4	
Tetrachloroethylene	**5**	
Detections above the ROD	0 of 25 wells	
Detections below the ROD	7 wells	(4 of 7 wells J-flagged)
Compound not detected	18 wells (U)	method reporting limit: 0.5
Detected concentration range	0.94 to 0.22	
Analytical data	Appendix C – Table C-4	
Toluene	**1,000**	
Detections above the ROD	0 of 25 wells	
Detections below the ROD	1 wells	(1 of 1 wells J-flagged)
Compound not detected	24 wells (U)	method reporting limit: 0.5
Detected concentration range	0.21 (One sample detected)	
Analytical data	Appendix C – Table C-4	
1,1,2,2-Tetrachloroethane	**0.175**	
Detections above the ROD	0 of 25 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	25 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix C – Table C-4	
Chlorobenzene	**100**	
Detections above the ROD	0 of 25 wells	
Detections below the ROD	1 wells	(1 of 1 wells J-flagged)
Compound not detected	24 wells (U)	method reporting limit: 0.5
Detected concentration range	0.18 (One sample detected)	
Analytical data	Appendix C – Table C-4	
Styrene	**100**	
Detections above the ROD	0 of 25 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	25 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix C – Table C-4	
Xylene (total)	**10,000**	
Detections above the ROD	0 of 25 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	25 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix C – Table C-4	

Semivolatile Compounds

Compound Analytical Details	Cleanup level (bold) Analytical Results (µg/L)	
1,2,4-Trichlorobenzene	**70**	
Detections above the ROD	0 of 25 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	25 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix C – Table C-5	
Hexachlorocyclopentadiene	**50**	
Detections above the ROD	0 of 25 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	25 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix C – Table C-5	
2,4,5-Trichlorophenol	**50**	
Detections above the ROD	0 of 25 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	25 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix C – Table C-5	
Hexachlorobenzene	**1**	
Detections above the ROD	0 of 25 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	25 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix C – Table C-5	
Pentachlorophenol	**1**	
Detections above the ROD	4 of 25 wells: EW-1 (3.63 J), EW-2 (3.51 J) EW-3 (4.08 J), PW-50A (30.4)	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	21 wells (U)	method reporting limit: 0.5
Detected concentration range	30.4 to 3.51	
Analytical data	Appendix C – Table C-5	
Benzo(a)pyrene	**0.2**	
Detections above the ROD	0 of 25 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	25 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix C – Table C-5	

Combined Radium-226 and Radium-228

Compound	Cleanup level (bold)
Radium-226 and radium-228	**5**
Detections above the ROD	2 of 25 wells: EW-2 (22.3), PW-28A (21.4)
Detections below the ROD	23 wells (no J-flagged detections)
Compound not detected	0 wells (U) method reporting limit: 3.0
Detected concentration range	22.3 to -0.88
Analytical data	Appendix C – Table C-6

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Fabrication Area

Location	**Fabrication Area**
Number of Wells	**76 (Well count in Tables below is 75 because MW-09A was dry for sampling)**
Well Locations	**Figure 2d**
Analytical Results	**Appendix D**

Total Metals

Compound Analytical Details	**Cleanup level (bold)** Analytical Results (µg/L)
Antimony	**6**
Detections above the ROD	0 of 75 wells
Detections below the ROD	50 wells (47 of 50 wells J-flagged)
Compound not detected	25 wells (U) method reporting limit: 0.5
Detected concentration range	1.72 to 0.031
Analytical data	Appendix D – Table D-1
Arsenic	**10**
Detections above the ROD	12 of 75 wells: MW-02A (19.9), MW-03A (11.4), MW-07A (19.2), MW-08A (24.5), PW-69A (19.8), PW-71A (16.7), PW-74A (80.1), PW-93A (23.2), PW-94A (12.7), TMW-1 (42.2), TMW-3 (11.5), TMW-5 (71.6)
Detections below the ROD	63 wells (17 of 63 wells J-flagged)
Compound not detected	0 wells (U) method reporting limit: 0.5
Detected concentration range	80.1 to 0.27
Analytical data	Appendix D – Table D-1
Barium	**2,000**
Detections above the ROD	0 of 75 wells
Detections below the ROD	75 wells (1 of 75 wells J-flagged)
Compound not detected	0 wells (U) method reporting limit: 2.0
Detected concentration range	323 to 1.46
Analytical data	Appendix D – Table D-1
Beryllium	**1**
Detections above the ROD	4 of 75 wells: TMW-1 (3.23), TMW-3 (6.13), TMW-4 (12.7), TMW-5 (1.63)
Detections below the ROD	18 wells (17 of 18 wells J-flagged)
Compound not detected	53 wells (U) method reporting limit: 0.5
Detected concentration range	12.7 to 0.031
Analytical data	Appendix D – Table D-1
Cadmium	**5**
Detections above the ROD	3 of 75 wells: FW-5 (6.58), TMW-1 (25.1), TMW-4 (8.74)
Detections below the ROD	14 wells (no J-flagged detections)
Compound not detected	58 wells (U) method reporting limit: 0.5
Detected concentration range	25.1 to 0.031
Analytical data	Appendix D – Table D-1

Chromium	**100**
Detections above the ROD	0 of 75 wells
Detections below the ROD	59 wells (50 of 59 wells J-flagged)
Compound not detected	16 wells (U) method reporting limit: 1.0
Detected concentration range	39.5 to 0.11
Analytical data	Appendix D – Table D-1
Copper	**1,000**
Detections above the ROD	0 of 75 wells
Detections below the ROD	53 wells (21 of 53 wells J-flagged)
Compound not detected	22 wells (U) method reporting limit: 2.0
Detected concentration range	121 to 0.51
Analytical data	Appendix D – Table D-1
Cyanide	**200**
Detections above the ROD	0 of 75 wells
Detections below the ROD	24 wells (22 of 24 wells J-flagged)
Compound not detected	51 wells (U) method reporting limit: 5.0
Detected concentration range	23.2 to 1.51
Analytical data	Appendix D – Table D-1
Manganese	**50** (Secondary maximum contaminant level)
Detections above the ROD	59 of 75 wells: EW-11 (928), FW-1 (727), FW-3 (243), FW-4 (372), FW-5 (5,910), FW-7 (2,020), MW-01A (764), MW-02A (1,090), MW-03A (1,050), MW-04A (1,020), MW-05A (1,820), MW-06A (379), MW-07A (1,050), MW-08A (541), PW-01A (9,490), PW-03A (516), PW-10 (121), PW-11 (592), PW-12 (315), PW-13 (3,380), PW-15AR (175), PW-31A (411), PW-32A (2,840), PW-33A (119), PW-34A (1,370), PW-42A (261), PW-45A (59.3), PW-46A (188), PW-69A (4,710), PW-70AR (840), PW-71A (3,330), PW-73B (249), PW-74A (6,740), PW-74B (6,740), PW-75A (758), PW-78A (452), PW-79A (849), PW-80A (242), PW-81A (539), PW-82A (228), PW-83A (469), PW-86A (89.7), PW-87A (2,190), PW-88A (1,700), PW-89A (1,550), PW-91A (3,260), PW-92A (230), PW-93A (4,500), PW-94A (3,360), PW-95A (328), PW-98A (2,780), PW-100A (611), PW-101A (426), PZ-01 (1,580), TMW-1 (21,900), TMW-3 (3,080), TMW-4 (9,750), TMW-5 (9,550)
Detections below the ROD	16 wells (no J-flagged detections)
Compound not detected	0 wells (U) method reporting limit: 0.5
Detected concentration range	21,900 to 0.73
Analytical data	Appendix D – Table D-1
Mercury	**2**
Detections above the ROD	0 of 75 wells
Detections below the ROD	4 wells (4 of 4 wells J-flagged)
Compound not detected	71 wells (U) method reporting limit: 0.1
Detected concentration range	0.078 to 0.057
Analytical data	Appendix D – Table D-1

Selenium	**50**
Detections above the ROD	0 of 75 wells
Detections below the ROD	72 wells (27 of 72 wells J-flagged)
Compound not detected	3 wells (U) method reporting limit: 0.5
Detected concentration range	16.7 to 0.14
Analytical data	Appendix D – Table D-1
Thallium	**2**
Detections above the ROD	0 of 75 wells
Detections below the ROD	6 wells (6 of 6 wells J-flagged)
Compound not detected	69 wells (U) method reporting limit: 0.2
Detected concentration range	0.5 to 0.032
Analytical data	Appendix D – Table D-1
Uranium	**30**
Detections above the ROD	0 of 74 wells
Detections below the ROD	21 wells (10 of 21 wells J-flagged)
Compound not detected	53 wells (U) method reporting limit: 0.5
Detected concentration range	15.9 to 0.1
Analytical data	Appendix D – Table D-1

Dissolved Metals

Compound Analytical Details	**Cleanup level (bold)** Analytical Results (µg/L)
Antimony	**6**
Detections above the ROD	0 of 75 wells
Detections below the ROD	33 wells (32 of 33 wells J-flagged)
Compound not detected	42 wells (U) method reporting limit: 0. 5
Detected concentration range	1.42 to 0.04
Analytical data	Appendix D – Table D-2
Arsenic	**10**
Detections above the ROD	10 of 75 wells: MW-02A (20.1), MW-03A (11.1), MW-07A (18.6), MW-08A (32), PW-69A (19.9), PW-71A (16.7), PW-93A (23.3), PW-94A (12.6), TMW-1 (26), TMW-5 (86)
Detections below the ROD	75 wells (18 of 75 wells J-flagged)
Compound not detected	0 wells (U) method reporting limit: 0. 5
Detected concentration range	86 to 0.25
Analytical data	Appendix D – Table D-2
Barium	**2,000**
Detections above the ROD	0 of 75 wells
Detections below the ROD	75 wells (5 of 75 wells J-flagged)
Compound not detected	0 wells (U) method reporting limit: 2.0
Detected concentration range	205 to 0.63
Analytical data	Appendix D – Table D-2
Beryllium	**1**
Detections above the ROD	4 of 75 wells: TMW-1 (3.25), TMW-3 (5.37), TMW-4 (12), TMW-05 (1.44 J)
Detections below the ROD	14 wells (13 of 14 wells J-flagged)

Compound not detected	57 wells (U) method reporting limit: 0.5
Detected concentration range	12 to 0.0255
Analytical data	Appendix D – Table D-2
Cadmium	**5**
Detections above the ROD	1 of 75 wells: FW-5 (6.58)
Detections below the ROD	7 wells (6 of 7 wells J-flagged)
Compound not detected	67 wells (U) method reporting limit: 0.5
Detected concentration range	5.06 to 0.031
Analytical data	Appendix D – Table D-2
Chromium	**100**
Detections above the ROD	0 of 75 wells
Detections below the ROD	69 wells (62 of 69 wells J-flagged)
Compound not detected	6 wells (U) method reporting limit: 1.0
Detected concentration range	7.84 to 0.1
Analytical data	Appendix D – Table D-2
Copper	**1,000**
Detections above the ROD	0 of 75 wells
Detections below the ROD	35 wells (22 of 35 wells J-flagged)
Compound not detected	40 wells (U) method reporting limit: 2.0
Detected concentration range	65.2 to 0.63
Analytical data	Appendix D – Table D-2
Manganese	**50** (Secondary maximum contaminant level)
Detections above the ROD	54 of 75 wells: EW-11 (1,000), FW-1 (688), FW-3 (142), FW-4 (285), FW-5 (5,570), FW-7 (1,940), MW-01A (779), MW-02A (1,060), MW-03A (1,020), MW-04A (942), MW-05A (1,620), MW-06A (148), MW-07A (1,020), MW-08A (551), PW-01A (9,540), PW-03A (566), PW-10 (126), PW-11 (601), PW-12 (312), PW-13 (2,780), PW-32A (134), PW-34A (274), PW-42A (261), PW-45A (57.3), PW-69A (4,590), PW-70AR (146), PW-71A (3,170), PW-73B (239), PW-74A (737), PW-74B (77.5), PW-75A (656), PW-78A (358), PW-79A (531), PW-80A (112), PW-81A (532), PW-82A (252), PW-83A (480), PW-87A (2,080), PW-88A (1,490), PW-89A (1,520), PW-91A (3,180), PW-92A (225), PW-93A (4,340), PW-94A (3,300), PW-95A (312), PW-98A (2,740), PW-99A (81), PW-100A (596),PW-101A (378), PZ-01 (1,540), TMW-1 (13,200), TMW-3 (2,990), TMW-4 (9,000), TMW-5 (8,590)
Detections below the ROD	20 wells (5 of 20 wells J-flagged)
Compound not detected	1 wells (U) method reporting limit: 0.5
Detected concentration range	13,200 to 0.094
Analytical data	Appendix D – Table D-2
Selenium	**50**
Detections above the ROD	0 of 75 wells
Detections below the ROD	71 wells (29 of 71 wells J-flagged)
Compound not detected	4 wells (U) method reporting limit: 0.5
Detected concentration range	18.2 to 0.15
Analytical data	Appendix D – Table D-2

Uranium	**30**
Detections above the ROD	0 of 72 wells
Detections below the ROD	19 wells (10 of 17 wells J-flagged)
Compound not detected	55 wells (U) method reporting limit: 0.5
Detected concentration range	15.2 to 0.1
Analytical data	Appendix D – Table D-2

General Chemistry

Compound Analytical Details	**Cleanup level (bold)** Analytical Results (mg/L)
Ammonium	**250**
Detections above the ROD	1 of 75 wells: FW-05 (801)
Detections below the ROD	42 wells (7 of 42 wells J-flagged)
Compound not detected	32 wells (U) method reporting limit: 0.05
Detected concentration range	801 to 0.024
Analytical data	Appendix D – Table D-3
Fluoride	**4**
Detections above the ROD	15 of 75 wells: EW-11 (5.94), FW-5 (16.6), FW-6 (9.8), PW-10 (26.7), PW-13 (17.7), PW-69A (8.89), PW-89A (13.6), PW-94A (7.04), PW-95A (9.84), PW-98A (16.8), PW-99A (12.9), TMW-1 (30.1), TMW-3 (507), TMW-4 (133), TMW-5 (10.3)
Detections below the ROD	56 wells (43 of 56 wells J-flagged)
Compound not detected	4 wells (U) method reporting limit: 1.0
Detected concentration range	507 to 0.046
Analytical data	Appendix D – Table D-3
Nitrate	**10**
Detections above the ROD	5 of 75 wells: FW-5 (62.2), PW-03A (19.9), PW-31A (13.2), PW-89A (140), PW-98A (24.3 J)
Detections below the ROD	37 wells (5 of 37 wells J-flagged)
Compound not detected	33 wells (U) method reporting limit: 0.1
Detected concentration range	140 to 0.044
Analytical data	Appendix D – Table D-3

Volatile Organic Compounds

Compound Analytical Details	**Cleanup level (bold)** Analytical Results (µg/L)
Vinyl Chloride (VC)	**2**
Detections above the ROD	16 of 75 wells: FW-1 (11), FW-3 (3.6), FW-7 (6), MW-01A (8.6), MW-02A (42.3), MW-04A (3.26 J), PW-01A (5.85), PW-11 (3.93), PW-12 (22.6), PW-45A (10), PW-93A (2.51), PW-98A (52.1), PW-100A (14.2), TMW-1 (90.8), TMW-3 (1,150), TMW-5 (313)
Detections below the ROD	15 wells (6 of 15 wells J-flagged)
Compound not detected	44 wells (U) method reporting limit: 0.5
Detected concentration range	1,150 to 0.28
Analytical data	Appendix D – Table D-4

1,1-Dichloroethylene (DCE)	**7**
Detections above the ROD	26 of 75 wells: FW-1 (81.4), FW-3 (130), FW-4 (20.2), FW-7 (11.3), MW-01A (25.3), MW-02A (8.38), MW-04A (8.5 J), PW-01A (13), PW-11 (214), PW-12 (196), PW-13 (95.6), PW-30A (33.3), PW-42A (9), PW-77A (16), PW-78A (66.3), PW-80A (8.26), PW-81A (7.53), PW-93A (7.54), PW-94A (116), PW-95A (28.8), PW-98A (1,110), PW-99A (132), TMW-1 (114), TMW-3 (14,400), TMW-4 (64,200), TMW-5 (170)
Detections below the ROD	17 wells (5 of 17 wells J-flagged)
Compound not detected	32 wells (U) method reporting limit: 0.5
Detected concentration range	64,200 to 0.2
Analytical data	Appendix D – Table D-4
1,1-Dichloroethane (DCA)	**3,700**
Detections above the ROD	2 of 75 wells: TMW-3 (28,000), TMW-5 (74,600)
Detections below the ROD	44 wells (6 of 44 wells J-flagged)
Compound not detected	29 wells (U) method reporting limit: 0.5
Detected concentration range	74,600 to 0.15
Analytical data	Appendix D – Table D-4
cis-1,2-Dichloroethylene (cis-DCE)	**70**
Detections above the ROD	0 of 75 wells
Detections below the ROD	36 wells (8 of 36 wells J-flagged)
Compound not detected	39 wells (U) method reporting limit: 0.5
Detected concentration range	24.9 to 0.18
Analytical data	Appendix D – Table D-4
Chloroform	**70**
Detections above the ROD	1 of 75 wells: TMW-4 (327 J)
Detections below the ROD	11 wells (7 of 11 wells J-flagged)
Compound not detected	63 wells (U) method reporting limit: 0.5
Detected concentration range	327 to 0.17
Analytical data	Appendix D – Table D-4
1,2-Dichloroethane	**5**
Detections above the ROD	0 of 75 wells
Detections below the ROD	5 wells (4 of 5 wells J-flagged)
Compound not detected	70 wells (U) method reporting limit: 0.5
Detected concentration range	3.06 to 0.15
Analytical data	Appendix D – Table D-4
1,1,1-Trichloroethane (TCA)	**200**
Detections above the ROD	9 of 75 wells: FW-1 (298), FW-4 (304), PW-12 (527), PW-30 A (551), PW-94A (2,460), PW-95A (373), PW-98A (1,000), TMW-3 (434,000), TMW-4 (442,000)
Detections below the ROD	24 wells (8 of 24 wells J-flagged)
Compound not detected	42 wells (U) method reporting limit: 0.5
Detected concentration range	442,000 to 0.044
Analytical data	Appendix D – Table D-4

Carbon tetrachloride	**5**
Detections above the ROD	0 of 75 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	75 wells (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix D – Table D-4
1,2-Dichloropropane	**5**
Detections above the ROD	0 of 75 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	75 wells (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix D – Table D-4
Trichloroethylene (TCE)	**5**
Detections above the ROD	10 of 75 wells: FW-2 (22.4), FW-3 (27.6), FW-5 (5.78), PW-12 (98.8), PW-42A (8.47), PW-85 (7.74), PW-98A (59.9), TMW-1 (9.79 J), TMW-3 (932), TMW-4 (2,160)
Detections below the ROD	27 wells (10 of 27 wells J-flagged)
Compound not detected	38 wells (U) method reporting limit: 0.5
Detected concentration range	2,160 to 0.16
Analytical data	Appendix D – Table D-4
Dibromochloromethane	**60**
Detections above the ROD	0 of 75 wells
Detections below the ROD	2 wells (2 of 2 wells J-flagged)
Compound not detected	73 wells (U) method reporting limit: 0.5
Detected concentration range	0.35 to 0.24
Analytical data	Appendix D – Table D-4
1,1,2-Trichloroethane	**3**
Detections above the ROD	1 of 75 wells: TMW-4 (587)
Detections below the ROD	6 wells (4 of 6 wells J-flagged)
Compound not detected	68 wells (U) method reporting limit: 0.5
Detected concentration range	587 to 0.17
Analytical data	Appendix D – Table D-4
Benzene	**5**
Detections above the ROD	0 of 75 wells
Detections below the ROD	2 wells (2 of 2 wells J-flagged)
Compound not detected	73 wells (U) method reporting limit: 0.5
Detected concentration range	0.27 to 0.18
Analytical data	Appendix D – Table D-4
Tetrachloroethylene	**5**
Detections above the ROD	1 of 7 wells: PW-94A (5.7)
Detections below the ROD	22 wells (11 of 22 wells J-flagged)
Compound not detected	52 wells (U) method reporting limit: 0.5
Detected concentration range	5.7 to 0.2
Analytical data	

Toluene	**1,000**	
Detections above the ROD	0 of 75 wells	
Detections below the ROD	5 wells	(2 of 5 wells J-flagged)
Compound not detected	70 wells (U)	method reporting limit: 0.5
Detected concentration range	8.94 to 0.39	
Analytical data	Appendix D – Table D-4	
1,1,2,2-Tetrachloroethane	**0.175**	
Detections above the ROD	0 of 75 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	75 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix D – Table D-4	
Chlorobenzene	**100**	
Detections above the ROD	0 of 75 wells	
Detections below the ROD	1 wells	(1 of 1 wells J-flagged)
Compound not detected	74 wells (U)	method reporting limit: 0.5
Detected concentration range	0.36 (One sample detected)	
Analytical data	Appendix D – Table D-4	
Styrene	**100**	
Detections above the ROD	0 of 75 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	75 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix D – Table D-4	
Xylene (total)	**10,000**	
Detections above the ROD	0 of 75 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	75 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix D – Table D-4	

Semivolatile Compounds

Compound Analytical Details	**Cleanup level (bold)** Analytical Results (µg/L)	
1,2,4-Trichlorobenzene	**70**	
Detections above the ROD	0 of 75 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	75 wells (U)	method reporting limit: 5.0
Detected concentration range	No detections	
Analytical data	Appendix D – Table D-5	
Hexachlorocyclopentadiene	**50**	
Detections above the ROD	0 of 75 wells	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	75 wells (U)	method reporting limit: 5.0
Detected concentration range	No detections	

Analytical data	Appendix D – Table D-5
2,4,5-Trichlorophenol	**50**
Detections above the ROD	0 of 75 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	75 wells (U) method reporting limit: 5.0
Detected concentration range	No detections
Analytical data	Appendix D – Table D-5
Hexachlorobenzene	**1**
Detections above the ROD	0 of 75 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	75 wells (U) method reporting limit: 5.0
Detected concentration range	No detections
Analytical data	Appendix D – Table D-5
Pentachlorophenol	**1**
Detections above the ROD	5 of 75 wells: FW-3 (2.51 J), PW-03A (5.55), PW-31A (2.61 J), PW-82A (2.59 J), PW-83A (2.51 J)
Detections below the ROD	0 wells
Compound not detected	70 wells (U) method reporting limit: 5.0
Detected concentration range	5.55 to 2.51
Analytical data	Appendix D – Table D-5
Benzo(a)pyrene	**0.2**
Detections above the ROD	0 of 75 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	75 wells (U) method reporting limit: 5.0
Detected concentration range	No detections
Analytical data	Appendix D – Table D-5

Combined Radium-226 and Radium-228

Compound Analytical Details	**Cleanup level (bold)** Analytical Results (pCi/L)
Radium-226 and radium-228	**5**
Detections above the ROD	2 of 75 wells: PW-15AR (16.6), PW-89A (11.29)
Detections below the ROD	73 wells (no J-flagged detections)
Compound not detected	0 wells (U) : method reporting limit: 3.0
Detected concentration range	16.6 to -0.86
Analytical data	Appendix D – Table D-6

Polychlorinated Biphenyl

Compound Analytical Details	**Cleanup level (bold)** Analytical Results (µg/L)
Polychlorinated biphenyl (PCB)	**0.5 (total)**
Detections above the ROD	0 of 3 wells
Detections below the ROD	0 wells (no J-flagged detections)
Compound not detected	75 wells (U) method reporting limit: 1.0
Detected concentration range	No detections
Analytical data	Appendix D – Table D-7

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Surface Water

Location	**Murder Creek and Truax Creek**
Number of Sample Points	**5**
Sample Locations	**Figure 2e**
Analytical Results	**Appendix E**

Total Metals

Compound Analytical Details	**Cleanup level (bold)** Analytical Results (µg/L)	
Antimony	**1,600**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	2 locations	(2 of 2 locations J-flagged)
Compound not detected	3 locations (U)	method reporting limit: 0.5
Detected concentration range	0.11 to 0.083	
Analytical data	Appendix E – Table E-1	
Arsenic	**150**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	5 locations	(no J-flagged detections)
Compound not detected	0 locations (U)	method reporting limit: 0.5
Detected concentration range	1.13 to 0.8	
Analytical data	Appendix E – Table E-1	
Beryllium	**5.3**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-1	
Cadmium	**Function Based Value** (sample specific calculation)	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-1	
Chromium	**11**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	5 locations	(5 of 5 locations J-flagged)
Compound not detected	0 locations (U)	method reporting limit: 1.0
Detected concentration range	0.72 to 0.25	
Analytical data	Appendix E – Table E-1	
Copper	**Function Based Value** (sample specific calculation)	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	5 locations	(5 of 5 locations J-flagged)
Compound not detected	0 locations (U)	method reporting limit: 1.0

Detected concentration range	1.75 to 1.09
Analytical data	Appendix E – Table E-1
Cyanide	**5.2**
Detections above the ROD	0 of 5 locations
Detections below the ROD	0 locations (no J-flagged detections)
Compound not detected	5 locations (U) method reporting limit: 5.0
Detected concentration range	No detections
Analytical data	Appendix E – Table E-1
Iron	**1,000**
Detections above the ROD	2 of 5 locations: MC-U (1,120), MC-D (1,500)
Detections below the ROD	3 locations (no J-flagged detections)
Compound not detected	0 locations (U) method reporting limit: 0.5
Detected concentration range	1,500 to 360
Analytical data	Appendix E – Table E-1
Lead	**Function Based Value** (sample specific calculation)
Detections above the ROD	0 of 5 locations
Detections below the ROD	5 locations (5 of 5 locations J-flagged)
Compound not detected	0 locations (U) method reporting limit: 0.5
Detected concentration range	0.41 to 0.15
Analytical data	Appendix E – Table E-1
Mercury	**0.12**
Detections above the ROD	0 of 5 locations
Detections below the ROD	0 locations (no J-flagged detections)
Compound not detected	5 locations (U) method reporting limit: 0.0001
Detected concentration range	No detections
Analytical data	Appendix E – Table E-1
Nickel	**Function Based Value** (sample specific calculation)
Detections above the ROD	0 of 5 locations
Detections below the ROD	5 locations (no J-flagged detections)
Compound not detected	0 locations (U) method reporting limit: 0.5
Detected concentration range	2.12 to 1.27
Analytical data	Appendix E – Table E-1
Selenium	**4.6**
Detections above the ROD	0 of 5 locations
Detections below the ROD	5 locations (5 of 5 locations J-flagged)
Compound not detected	0 locations (U) method reporting limit: 0.5
Detected concentration range	0.38 to 0.22
Analytical data	Appendix E – Table E-1
Silver	**0.1**
Detections above the ROD	0 of 5 locations
Detections below the ROD	0 locations (no J-flagged detections)
Compound not detected	5 locations (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix E – Table E-1

Thallium	**40**
Detections above the ROD	0 of 5 locations
Detections below the ROD	0 locations (no J-flagged detections)
Compound not detected	5 locations (U) method reporting limit: 0.2
Detected concentration range	No detections
Analytical data	Appendix E – Table E-1
Zinc	**Function Based Value** (sample specific calculation)
Detections above the ROD	0 of 5 locations
Detections below the ROD	0 locations (no J-flagged detections)
Compound not detected	5 locations (U) method reporting limit: 10
Detected concentration range	No detections
Analytical data	Appendix E – Table E-1

Dissolved Metals

Compound Analytical Details	Cleanup level (bold) Analytical Results (µg/L)
Antimony	**1,600**
Detections above the ROD	0 of 5 locations
Detections below the ROD	1 location (no J-flagged detections)
Compound not detected	4 locations (U) method reporting limit: 0.5
Detected concentration range	0.84 (One sample detected)
Analytical data	Appendix E – Table E-1
Arsenic	**150**
Detections above the ROD	0 of 5 locations
Detections below the ROD	5 locations (no J-flagged detections)
Compound not detected	0 locations (U) method reporting limit: 0.5
Detected concentration range	0.89 to 0.69
Analytical data	Appendix E – Table E-1
Beryllium	**5.3**
Detections above the ROD	0 of 5 locations
Detections below the ROD	0 locations (no J-flagged detections)
Compound not detected	5 locations (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix E – Table E-1
Cadmium	**Function Based Value** (sample specific calculation)
Detections above the ROD	0 of 5 locations
Detections below the ROD	0 locations (no J-flagged detections)
Compound not detected	5 locations (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix E – Table E-1
Chromium	**11**
Detections above the ROD	0 of 5 locations
Detections below the ROD	5 locations (5 of 5 locations J-flagged)
Compound not detected	0 locations (U) method reporting limit: 1.0
Detected concentration range	0.43 to 0.24

Analytical data	Appendix E – Table E-1
Copper	**Function Based Value** (sample specific calculation)
Detections above the ROD	0 of 5 locations
Detections below the ROD	5 locations (5 of 5 locations J-flagged)
Compound not detected	0 locations (U) method reporting limit: 1.0
Detected concentration range	1.36 to 0.67
Analytical data	Appendix E – Table E-1
Iron	**1,000**
Detections above the ROD	0 of 5 locations
Detections below the ROD	5 locations (1 of 5 locations J-flagged)
Compound not detected	0 locations (U) method reporting limit: 0.5
Detected concentration range	262 to 78.9
Analytical data	Appendix E – Table E-1
Lead	**Function Based Value** (sample specific calculation)
Detections above the ROD	0 of 5 locations
Detections below the ROD	3 locations (3 of 3 locations J-flagged)
Compound not detected	2 locations (U) method reporting limit: 0.5
Detected concentration range	0.075 to 0. 048
Analytical data	Appendix E – Table E-1
Nickel	**Function Based Value** (sample specific calculation)
Detections above the ROD	0 of 5 locations
Detections below the ROD	5 locations (no J-flagged detections)
Compound not detected	0 locations (U) method reporting limit: 0.5
Detected concentration range	2.03 to 1.18
Analytical data	Appendix E – Table E-1
Selenium	**4.6**
Detections above the ROD	0 of 5 locations
Detections below the ROD	5 locations (5 of 5 locations J-flagged)
Compound not detected	0 locations (U) method reporting limit: 0.5
Detected concentration range	0.38 to 0.22
Analytical data	Appendix E – Table E-1
Silver	**0.1**
Detections above the ROD	0 of 5 locations
Detections below the ROD	0 locations (no J-flagged detections)
Compound not detected	5 locations (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix E – Table E-1
Zinc	**Function Based Value** (sample specific calculation)
Detections above the ROD	0 of 5 locations
Detections below the ROD	0 locations (no J-flagged detections)
Compound not detected	5 locations (U) method reporting limit: 10
Detected concentration range	No detections
Analytical data	Appendix E – Table E-1

General Chemistry

Compound Analytical Details	Cleanup level (bold) Analytical Results (mg/L)	
Ammonium	**Function Based Value** (sample specific calculation)	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	4 locations	(no J-flagged detections)
Compound not detected	1 locations (U)	method reporting limit: 0.1
Detected concentration range	0.098 to 0.056	
Analytical data	Appendix E – Table E-3	
Chloride	**230**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	5 locations	(no J-flagged detections)
Compound not detected	0 locations (U)	method reporting limit: 0.1
Detected concentration range	14.1 to 6.97	
Analytical data	Appendix E – Table E-3	

Volatile Organic Compounds

Compound Analytical Details	Cleanup level (bold) Analytical Results (µg/L)	
1,1-Dichloroethylene (DCE)	**11,600**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-4	
cis-1,2-Dichloroethylene (cis-DCE)	**11,600**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-4	
Chloroform	**1,240**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-4	
1,2-Dichloroethane	**20,000**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-4	
1,1,1-Trichloroethane (TCA)	**18,000**	
Detections above the ROD	0 of 5 locations	

Detections below the ROD	2 locations	(2 of 2 locations J-flagged)
Compound not detected	3 locations (U)	method reporting limit: 0.5
Detected concentration range	0.23 to 0.17	
Analytical data	Appendix E – Table E-4	
Carbon tetrachloride	**35,200**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-4	
1,2-Dichloropropane	**5,700**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-4	
Trichloroethylene (TCE)	**21,900**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-4	
1,1,2-Trichloroethane	**9,400**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-4	
Benzene	**5,300**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-4	
Tetrachloroethylene	**840**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-4	
Toluene	**17,500**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5

Detected concentration range	No detections
Analytical data	Appendix E – Table E-4
1,1,2,2-Tetrachloroethane	**9,320**
Detections above the ROD	0 of 5 locations
Detections below the ROD	0 locations (no J-flagged detections)
Compound not detected	5 locations (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix E – Table E-4
Ethylbenzene	**32,000**
Detections above the ROD	0 of 5 locations
Detections below the ROD	0 locations (no J-flagged detections)
Compound not detected	5 locations (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix E – Table E-4
Acrolein	**21**
Detections above the ROD	0 of 5 locations
Detections below the ROD	0 locations (no J-flagged detections)
Compound not detected	5 locations (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix E – Table E-4
Acrylonitrile	**2,600**
Detections above the ROD	0 of 5 locations
Detections below the ROD	0 locations (no J-flagged detections)
Compound not detected	5 locations (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix E – Table E-4

Semivolatile Compounds

Compound Analytical Details	**Cleanup level (bold)** Analytical Results (µg/L)
Phenol	**2,560**
Detections above the ROD	0 of 5 locations
Detections below the ROD	0 locations (no J-flagged detections)
Compound not detected	5 locations (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix E – Table E-5
2-Chlorophenol	**2,000**
Detections above the ROD	0 of 5 locations
Detections below the ROD	0 locations (no J-flagged detections)
Compound not detected	5 locations (U) method reporting limit: 0.5
Detected concentration range	No detections
Analytical data	Appendix E – Table E-5
1,3-Dichlorobenzene	**763**
Detections above the ROD	0 of 5 locations
Detections below the ROD	0 locations (no J-flagged detections)

Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-5	
1,4-Dichlorobenzene	**763**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 wells	(no J-flagged detections)
Compound not detected	5 wells (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-5	
1,2-Dichlorobenzene	**763**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-5	
Hexachloroethane	**540**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-5	
Nitrobenzene	**27,000**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-5	
Isophorone	**117,000**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-5	
2-Nitrophenol	**150**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-5	
2,4-Dimethylphenol	**2,120**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	

Analytical data	Appendix E – Table E-5	
2,4-Dichlorophenol	**365**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-5	
Naphthalene	**620**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-5	
Hexachlorobutadiene	**9.3**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-5	
Hexachlorocyclopentadiene	**5.2**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-5	
2,4,6-Trichlorophenol	**970**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-5	
2-Chloronaphthalene	**1,600**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-5	
2,6-Dinitrotoluene	**230**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-5	

Acenaphthene	**520**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-5	
1,2-Diphenylhydrazine	**270**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-5	
4-Nitrophenol	**150**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-5	
Fluoranthene	**3,980**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-5	
Benzidine	**2,500**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	0 locations	(no J-flagged detections)
Compound not detected	5 locations (U)	method reporting limit: 0.5
Detected concentration range	No detections	
Analytical data	Appendix E – Table E-5	

Combined Radium-226 and Radium-228

Compound Analytical Details	Cleanup level (bold) Analytical Results (pCi/L)	
Radium-226 and radium-228	**5**	
Detections above the ROD	0 of 5 locations	
Detections below the ROD	5 of 5 locations	(no J-flagged detections)
Compound not detected	0 locations (U) :	method reporting limit: 0.23-0.51
Detected concentration range	0.16 to 2.11 (high value from upstream of facility (MU)	
Analytical data	Appendix E – Table E-6	

Table 1. Sitewide Monitoring Locations and Analytes

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Sampled during Remedial Investigation?	Water Level	Field Parameters	Volatile Organic Compounds	Semivolatile Organic Compounds	Total Metals	Dissolved Metals	General Chemistry	Radium-226/228	Polychlorinated Biphenyls
Solids Area										
PW-07	Yes	X	X	X	X	X	X	X	X	--
PW-09	Yes	X	X	X	X	X	X	X	X	--
PW-17B	Yes	X	X	X	X	X	X	X	X	--
PW-18B	Yes	X	X	X	X	X	X	X	X	--
PWA-1	Yes	X	X	X	X	X	X	X	X	--
PWA-2	Yes	X	X	X	X	X	X	X	X	--
PWB-1	Yes	X	X	X	X	X	X	X	X	--
PWB-2	Yes	X	X	X	X	X	X	X	X	--
PWB-3	Yes	X	X	X	X	X	X	X	X	--
PWC-1	Yes	X	X	X	X	X	X	X	X	--
PWC-2	Yes	X	X	X	X	X	X	X	X	--
PWD-1	Yes	X	X	X	X	X	X	X	X	--
PWD-2	Yes	X	X	X	X	X	X	X	X	--
PWE-1	Yes	X	X	X	X	X	X	X	X	--
PWE-2	Yes	X	X	X	X	X	X	X	X	--
PWF-1	Yes	X	X	X	X	X	X	X	X	--
PWF-2	Yes	X	X	X	X	X	X	X	X	--
Farm Ponds Area										
HW	Yes	X	X	X	X	X	X	X	X	--
ND	Yes	X	X	X	X	X	X	X	X	--
ND-1	Yes	X	X	X	X	X	X	X	X	--
ND-2	Yes	X	X	X	X	X	X	X	X	--
NS	Yes	X	X	X	X	X	X	X	X	--
PW-35A	Yes	X	X	X	X	X	X	X	X	--
PW-36A	Yes	X	X	X	X	X	X	X	X	--
PW-37A	Yes	X	X	X	X	X	X	X	X	--
PW-38A	Yes	X	X	X	X	X	X	X	X	--
PW-39A	Yes	X	X	X	X	X	X	X	X	--
PW-40A	Yes	X	X	X	X	X	X	X	X	--
PW-40S	Yes	X	X	X	X	X	X	X	X	--
PW-43A	Yes	X	X	X	X	X	X	X	X	--
PW-43S	Yes	X	X	X	X	X	X	X	X	--
PW-44A	Yes	X	X	X	X	X	X	X	X	--
PW-44S	Yes	X	X	X	X	X	X	X	X	--
PW-64A	No	X	X	X	X	X	X	X	X	--
PW-64S	No	X	X	X	X	X	X	X	X	--
PW-65A	No	X	X	X	X	X	X	X	X	--
PW-65S	No	X	X	X	X	X	X	X	X	--

Table 1. Sitewide Monitoring Locations and Analytes

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Sampled during Remedial Investigation?	Water Level	Field Parameters	Volatile Organic Compounds	Semivolatile Organic Compounds	Total Metals	Dissolved Metals	General Chemistry	Radium-226/228	Polychlorinated Biphenyls
PW-66A	No	X	X	X	X	X	X	X	X	--
PW-66S	No	X	X	X	X	X	X	X	X	--
PW-67A	No	X	X	X	X	X	X	X	X	--
PW-67S	No	X	X	X	X	X	X	X	X	--
PW-104S	Yes	X	X	X	X	X	X	X	X	--
PW-105S	Yes	X	X	X	X	X	X	X	X	--
PW-106S	Yes	X	X	X	X	X	X	X	X	--
PW-107S	No	X	X	X	X	X	X	X	X	X
PW-108A	No	X	X	X	X	X	X	X	X	--
WD-1	No	X	X	X	X	X	X	X	X	--
WD-2	No	X	X	X	X	X	X	X	X	--
WS	No	X	X	X	X	X	X	X	X	--
Extraction Area										
EW-1	No	X	X	X	X	X	X	X	X	--
EW-2	No	X	X	X	X	X	X	X	X	--
EW-3	No	X	X	X	X	X	X	X	X	--
EW-4	No	X	X	X	X	X	X	X	X	--
EW-5	No	X	X	X	X	X	X	X	X	--
EW-6	No	X	X	X	X	X	X	X	X	--
PW-06	Yes	X	X	X	X	X	X	X	X	--
PW-21A	Yes	X	X	X	X	X	X	X	X	--
PW-22A	Yes	X	X	X	X	X	X	X	X	--
PW-23A	Yes	X	X	X	X	X	X	X	X	--
PW-24A	Yes	X	X	X	X	X	X	X	X	--
PW-25A	Yes	X	X	X	X	X	X	X	X	--
PW-26A	Yes	X	X	X	X	X	X	X	X	--
PW-27A	Yes	X	X	X	X	X	X	X	X	--
PW-28A	Yes	X	X	X	X	X	X	X	X	--
PW-29A	Yes	X	X	X	X	X	X	X	X	--
PW-47A	Yes	X	X	X	X	X	X	X	X	--
PW-48A	Yes	X	X	X	X	X	X	X	X	--
PW-49A	Yes	X	X	X	X	X	X	X	X	--
PW-50A	No	X	X	X	X	X	X	X	X	--
PW-51A	No	X	X	X	X	X	X	X	X	--
PW-52A	No	X	X	X	X	X	X	X	X	--
PW-57A	No	X	X	X	X	X	X	X	X	--
PW-96A	No	X	X	X	X	X	X	X	X	--
PW-97A	No	X	X	X	X	X	X	X	X	--

Table 1. Sitewide Monitoring Locations and Analytes

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Sampled during Remedial Investigation?	Water Level	Field Parameters	Volatile Organic Compounds	Semivolatile Organic Compounds	Total Metals	Dissolved Metals	General Chemistry	Radium-226/228	Polychlorinated Biphenyls
Fabrication Area										
E-11	No	X	X	X	X	X	X	X	X	--
FW-1	No	X	X	X	X	X	X	X	X	--
FW-2	No	X	X	X	X	X	X	X	X	--
FW-3	No	X	X	X	X	X	X	X	X	--
FW-4	No	X	X	X	X	X	X	X	X	--
FW-5	No	X	X	X	X	X	X	X	X	--
FW-6	No	X	X	X	X	X	X	X	X	--
FW-7	No	X	X	X	X	X	X	X	X	--
MW-01A	No	X	X	X	X	X	X	X	X	--
MW-02A	No	X	X	X	X	X	X	X	X	--
MW-03A	No	X	X	X	X	X	X	X	X	--
MW-04A	No	X	X	X	X	X	X	X	X	--
MW-05A	No	X	X	X	X	X	X	X	X	--
MW-06A	No	X	X	X	X	X	X	X	X	--
MW-07A	No	X	X	X	X	X	X	X	X	--
MW-08A	No	X	X	X	X	X	X	X	X	--
MW-09A	No	X	X	X	X	X	X	X	X	--
MW-10A	No	X	X	X	X	X	X	X	X	--
MW-11A	No	X	X	X	X	X	X	X	X	--
PW-01A	Yes	X	X	X	X	X	X	X	X	--
PW-03A	Yes	X	X	X	X	X	X	X	X	--
PW-10	Yes	X	X	X	X	X	X	X	X	--
PW-100A	No	X	X	X	X	X	X	X	X	--
PW-101A	No	X	X	X	X	X	X	X	X	--
PW-11	Yes	X	X	X	X	X	X	X	X	--
PW-12	Yes	X	X	X	X	X	X	X	X	--
PW-13	Yes	X	X	X	X	X	X	X	X	--
PW-14	Yes	X	X	X	X	X	X	X	X	--
PW-15AR	No	X	X	X	X	X	X	X	X	--
PW-16	Yes	X	X	X	X	X	X	X	X	--
PW-19A	Yes	X	X	X	X	X	X	X	X	--
PW-20A	Yes	X	X	X	X	X	X	X	X	--
PW-30A	Yes	X	X	X	X	X	X	X	X	X
PW-31A	Yes	X	X	X	X	X	X	X	X	--
PW-32A	Yes	X	X	X	X	X	X	X	X	--
PW-33A	Yes	X	X	X	X	X	X	X	X	--
PW-34A	Yes	X	X	X	X	X	X	X	X	--
PW-42A	Yes	X	X	X	X	X	X	X	X	--

Table 1. Sitewide Monitoring Locations and Analytes

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Sampled during Remedial Investigation?	Water Level	Field Parameters	Volatile Organic Compounds	Semivolatile Organic Compounds	Total Metals	Dissolved Metals	General Chemistry	Radium-226/228	Polychlorinated Biphenyls
PW-45A	Yes	X	X	X	X	X	X	X	X	X
PW-46A	Yes	X	X	X	X	X	X	X	X	X
PW-68A	No	X	X	X	X	X	X	X	X	--
PW-69A	No	X	X	X	X	X	X	X	X	--
PW-70AR	No	X	X	X	X	X	X	X	X	--
PW-71A	No	X	X	X	X	X	X	X	X	--
PW-72A	No	X	X	X	X	X	X	X	X	--
PW-73A	No	X	X	X	X	X	X	X	X	--
PW-73B	No	X	X	X	X	X	X	X	X	--
PW-74A	No	X	X	X	X	X	X	X	X	--
PW-74B	No	X	X	X	X	X	X	X	X	--
PW-75A	No	X	X	X	X	X	X	X	X	--
PW-76A	No	X	X	X	X	X	X	X	X	--
PW-77A	No	X	X	X	X	X	X	X	X	--
PW-78A	No	X	X	X	X	X	X	X	X	--
PW-79A	No	X	X	X	X	X	X	X	X	--
PW-80A	No	X	X	X	X	X	X	X	X	--
PW-81A	No	X	X	X	X	X	X	X	X	--
PW-82A	No	X	X	X	X	X	X	X	X	--
PW-83A	No	X	X	X	X	X	X	X	X	--
PW-84A	No	X	X	X	X	X	X	X	X	--
PW-85A	No	X	X	X	X	X	X	X	X	--
PW-86A	No	X	X	X	X	X	X	X	X	--
PW-87A	No	X	X	X	X	X	X	X	X	--
PW-88A	No	X	X	X	X	X	X	X	X	--
PW-89A	No	X	X	X	X	X	X	X	X	--
PW-91A	No	X	X	X	X	X	X	X	X	--
PW-92A	No	X	X	X	X	X	X	X	X	--
PW-93A	No	X	X	X	X	X	X	X	X	--
PW-94A	No	X	X	X	X	X	X	X	X	--
PW-95A	No	X	X	X	X	X	X	X	X	--
PW-98A	No	X	X	X	X	X	X	X	X	--
PW-99A	No	X	X	X	X	X	X	X	X	--
PZ-01	Yes	X	X	X	X	X	X	X	X	--
TMW-1	No	X	X	X	X	X	X	X	X	--
TMW-3	No	X	X	X	X	X	X	X	X	--
TMW-4	No	X	X	X	X	X	X	X	X	--
TMW-5	No	X	X	X	X	X	X	X	X	--

Table 1. Sitewide Monitoring Locations and Analytes

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Sampled during Remedial Investigation?	Water Level	Field Parameters	Volatile Organic Compounds	Semivolatile Organic Compounds	Total Metals	Dissolved Metals	General Chemistry	Radium-226/228	Polychlorinated Biphenyls
Surface Water										
MC-U	Yes	--	X	X	X	X	X	X	X	--
MC-M	No	--	X	X	X	X	X	X	X	--
MC-D	Yes	--	X	X	X	X	X	X	X	--
TC-U	Yes	--	X	X	X	X	X	X	X	--
TC-D	Yes	--	X	X	X	X	X	X	X	--

Table 2. Sitewide Groundwater Elevations

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Water Level[1]	Water Elevation
Unit	ft bmp	ft amsl
Solids Area		
PW-07	13.97	191.83
PW-09	22.30	177.83
PW-17B	11.01	173.13
PW-18B	18.77	169.47
PWA-1	16.39	176.43
PWA-2	16.26	176.78
PWB-1	5.32	177.58
PWB-2	6.03	176.91
PWB-3	6.28	176.58
PWC-1	17.20	185.49
PWC-2	17.19	185.46
PWD-1	22.27	170.24
PWD-2	19.41	173.08
PWE-1	12.74	177.68
PWE-2	12.69	177.79
PWF-1	21.47	183.29
PWF-2	20.51	184.17
Farm Ponds Area		
HW	13.78	224.72
ND	4.85	228.00
ND-1	artesian	--
ND-2	0.40	216.94
NS	7.10	214.05
PW-35A	17.36	217.62
PW-36A	8.80	227.19
PW-37A	8.17	219.15
PW-38A	artesian	--
PW-39A	15.04	223.66
PW-40A	9.32	207.85
PW-40S	5.10	212.41
PW-43A	7.75	206.37
PW-43S	4.55	209.80
PW-44A	7.29	207.11
PW-44S	4.66	209.78
PW-64A	4.97	207.96
PW-64S	3.24	209.72
PW-65A	7.32	205.20
PW-65S	3.30	209.76
PW-66A	7.58	203.88
PW-66S	4.60	206.76
PW-67A	9.88	205.68
PW-67S	5.69	207.02
PW-104S	5.43	217.19

Table 2. Sitewide Groundwater Elevations

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Water Level[1]	Water Elevation
Unit	ft bmp	ft amsl
PW-105S	5.81	212.37
PW-106S	2.54	216.69
PW-107S	3.75	216.58
PW-108A	artesian	--
WD-1	11.30	209.15
WD-2	11.78	208.82
WS	9.10	211.27
Extraction Area		
EW-1	22.53	187.24
EW-2	22.40	187.26
EW-3	21.58	188.60
EW-4	21.11	188.89
EW-5	19.77	189.15
EW-6	20.03	188.67
PW-06	20.63	195.80
PW-21A	21.84	187.52
PW-22A	18.73	191.64
PW-23A	20.74	191.28
PW-24A	20.83	191.22
PW-25A	22.00	189.88
PW-26A	24.82	188.36
PW-27A	15.06	195.93
PW-28A	14.29	194.84
PW-29A	19.01	195.21
PW-47A	23.84	186.95
PW-48A	18.08	196.42
PW-49A	29.49	187.49
PW-50A	15.92	193.16
PW-51A	14.39	194.88
PW-52A	14.53	195.83
PW-57A	24.01	186.86
PW-96A	20.84	189.70
PW-97A	24.22	186.02
Fabrication Area		
E-11	6.00	202.23
FW-1	18.44	191.82
FW-2	14.33	194.02
FW-3	16.61	190.05
FW-4	NM	--
FW-5	NM	--
FW-6	11.49	196.02
FW-7	10.50	191.10
MW-01A	11.45	193.75
MW-02A	7.99	196.84

Table 2. Sitewide Groundwater Elevations

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Water Level[1]	Water Elevation
Unit	ft bmp	ft amsl
MW-03A	7.94	199.65
MW-04A	7.83	196.79
MW-05A	15.46	198.52
MW-06A	13.70	197.94
MW-07A	7.86	192.63
MW-08A	8.43	192.81
MW-10A	15.31	197.18
MW-11A	18.68	192.88
PW-01A	16.71	194.73
PW-03A	16.82	193.68
PW-10	10.34	201.19
PW-100A	8.95	199.58
PW-101A	16.94	193.03
PW-11	6.31	201.47
PW-12	7.44	202.53
PW-13	20.20	187.58
PW-14	17.00	192.97
PW-15AR	15.05	195.38
PW-16	17.39	193.03
PW-19A	6.31	193.44
PW-20A	10.64	204.07
PW-30A	10.24	202.32
PW-31A	7.86	204.54
PW-32A	10.31	200.42
PW-33A	11.61	198.37
PW-34A	13.80	197.89
PW-42A	15.13	194.48
PW-45A	10.68	200.95
PW-46A	7.90	201.80
PW-68A	8.61	201.96
PW-69A	8.59	201.11
PW-70AR	7.91	202.22
PW-71A	3.46	207.40
PW-72A	13.50	197.73
PW-73A	8.91	200.90
PW-73B	17.59	192.05
PW-74A	6.73	190.84
PW-74B	17.03	190.91
PW-75A	18.63	190.40
PW-76A	18.68	190.28
PW-77A	6.45	191.83
PW-78A	13.60	197.43
PW-79A	7.59	201.14
PW-80A	10.82	197.82

Table 2. Sitewide Groundwater Elevations

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Water Level[1]	Water Elevation
Unit	ft bmp	ft amsl
PW-81A	15.41	194.87
PW-82A	13.99	195.71
PW-83A	18.91	193.94
PW-84A	14.62	195.08
PW-85A	12.26	199.23
PW-86A	19.52	192.37
PW-87A	11.94	190.46
PW-88A	6.67	191.52
PW-89A	11.21	197.56
PW-91A	8.73	201.22
PW-92A	8.69	201.34
PW-93A	11.91	198.90
PW-94A	8.55	200.60
PW-95A	8.57	198.87
PW-98A	8.83	201.51
PW-99A	9.76	200.91
PZ-01	11.81	199.02
TMW-1	3.11	NA
TMW-3	4.51	NA
TMW-4	5.18	NA
TMW-5	5.08	NA

Notes:

1 Water levels were collected between April and August 2016. Synpotic water levels included in 2017 annual reports.

ft amsl = feet above mean sea level.

ft bmp = feet below measuring point.

NA = not available.

NM = not measured.

Table 3. Sitewide Water Quality Parameters

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	pH	Specific Conductivity	Dissolved Oxygen	Oxidation-Reduction Potential	Temperature
Unit	units	µS/cm	mg/L	mV	°C
Solids Area					
PW-07	7.09	379	0.48	-62	16.3
PW-09	6.83	1,279	1.71	-26.5	14.4
PW-17B	6.53	1,918	0.91	-54.1	13.3
PW-18B	5.53	185	1.64	274.3	13.1
PWA-1	6.52	3,200	0.38	-39.4	14.4
PWA-2	6.43	4,869	0.40	-12.7	14.3
PWB-1	6.86	714	0.45	-82.9	13.3
PWB-2	7.07	736	0.43	-133.3	13.0
PWB-3	6.08	24,106	0.51	29.7	14.1
PWC-1	6.25	878	0.51	7.9	17.6
PWC-2	6.23	960	0.75	-1.4	18.2
PWD-1	6.54	4,163	0.77	-62.6	13.1
PWD-2	6.99	4,029	0.68	-59.7	16.3
PWE-1	6.75	775	0.10	-141.4	15.51
PWE-2	6.45	3,972	0.15	-55.9	15.18
PWF-1	6.93	2,577	0.50	10.1	16.1
PWF-2	6.82	4,176	0.44	1.1	15.8
Farm Ponds Area					
HW	5.79	280	3.45	-51.4	13.0
ND	6.12	259	0.20	59.6	13.1
ND-1	6.60	281	0.43	62.1	13.9
ND-2	6.63	296	0.72	159.3	13.4
NS	6.17	741	2.08	283.1	11.4
PW-35A	6.56	295	5.00	128.3	13.36
PW-36A	6.29	239	0.57	245.6	13.2
PW-37A	6.93	389	1.36	214.4	13.0
PW-38A	6.97	231	1.30	164	12.8
PW-39A	6.61	238	0.94	102.6	12.9
PW-40A	7.20	1,049	0.21	-17.7	14.1
PW-40S	6.59	2,188	1.08	152.6	13.9
PW-43A	7.31	372	0.31	207.4	12.3
PW-43S	6.99	1,739	1.80	233.9	11.8
PW-44A	7.04	468	0.43	140.1	12.3
PW-44S	7.21	896	3.41	151.2	10.8
PW-64A	7.12	307	0.13	-85.6	13.2
PW-64S	7.20	404	0.34	29.2	12.3
PW-65A	7.22	412	0.20	31.4	12.8
PW-65S	6.99	1,514	2.16	24.9	11.9

Table 3. Sitewide Water Quality Parameters

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	pH	Specific Conductivity	Dissolved Oxygen	Oxidation-Reduction Potential	Temperature
Unit	units	µS/cm	mg/L	mV	°C
PW-66A	7.31	366	0.16	37.1	12.4
PW-66S	6.99	1,304	0.41	195.9	11.9
PW-67A	7.09	787	0.20	118.4	13.4
PW-67S	7.10	1,447	0.49	23.9	13.8
PW-104S	6.52	2,498	2.92	228.8	15.0
PW-105S	6.27	474	0.47	115.6	13.35
PW-106S	7.13	336	0.77	204.2	12.45
PW-107S	6.68	394	1.45	122.1	13.78
PW-108A	7.17	298	0.16	-82.3	12.8
WD-1	7.11	676	0.22	97.7	13.3
WD-2	6.21	451	0.24	34.3	12.9
WS	6.37	3,812	0.68	175.4	12.8
Extraction Area					
EW-1	3.88	7,414	2.18	437.7	14.86
EW-2	2.72	7,008	4.24	543.9	15.29
EW-3	5.00	3,935	0.63	318.7	17.12
EW-4	7.29	349	1.53	58.6	17.97
EW-5	5.87	779	0.44	209.4	16.52
EW-6	6.64	1,248	0.43	-37.8	16.3
PW-06	7.39	189	0.66	-109.1	14.49
PW-21A	6.75	375	0.39	72.9	15.9
PW-22A	6.92	1,738	0.44	-54.2	15.89
PW-23A	7.84	647	0.19	-19.5	16.95
PW-24A	6.81	2,263	0.48	169.2	16.71
PW-25A	6.27	696	2.73	78.6	15.18
PW-26A	6.24	557	2.40	210.1	17.72
PW-27A	5.95	2,835	0.66	96.3	15.85
PW-28A	3.87	9,694	2.24	216.5	16.22
PW-29A	6.11	115	7.92	152.2	13.8
PW-47A	6.87	1,221	0.22	-109.4	15.18
PW-48A	7.04	420	5.32	116.1	18.96
PW-49A	6.12	118	2.33	189.9	16.79
PW-50A	3.45	2,470	0.84	385.7	16.78
PW-51A	6.61	3,862	0.81	51.4	16.99
PW-52A	3.49	6,371	0.68	347.4	16.87
PW-57A	7.08	849	0.12	-139.1	16.74
PW-96A	6.61	896	0.55	-64.9	16.17
PW-97A	6.73	1,299	0.27	-53.1	17.02

Table 3. Sitewide Water Quality Parameters

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	pH	Specific Conductivity	Dissolved Oxygen	Oxidation-Reduction Potential	Temperature
Unit	units	µS/cm	mg/L	mV	°C
Fabrication Area					
E-11	6.92	432	4.53	-29.9	20.36
FW-1	6.97	251	2.06	-39.9	21.44
FW-2	6.97	158	1.3	16.6	19.04
FW-3	5.63	348	2.98	26.4	17.34
FW-4	NM	NM	NM	NM	NM
FW-5	NM	NM	NM	NM	NM
FW-6	6.28	625	3.91	42.3	15.69
FW-7	6.59	313	0.46	105.7	14.2
MW-01A	5.9	265	0.63	118.9	13.5
MW-02A	6.85	342	0.16	-99.6	13.6
MW-03A	6.79	412	0.28	-66.3	13.5
MW-04A	6.6	318	0.12	78.1	12.9
MW-05A	6.74	332	0.53	85.5	13.7
MW-06A	6.8	248	0.61	343.1	13.5
MW-07A	6.51	354	0.45	-30.3	13.4
MW-08A	7.45	543	0.57	-38.7	14.4
MW-10A	6.08	220	0.87	111	13.7
MW-11A	5.9	216	2.79	108.4	13.89
PW-01A	6.32	6,597	0.42	11.8	19.05
PW-03A	6.85	1,061	0.96	39.8	17.83
PW-10	5.25	97	0.55	139.8	15.57
PW-100A	5.29	229	0.4	34.7	17.94
PW-101A	6.91	384	0.11	-13.7	17.1
PW-11	6.44	316	0.75	40.1	18.46
PW-12	6.15	132	0.56	168.5	20.94
PW-13	5.92	236	0.61	109.2	15.5
PW-14	6.23	193	1.46	166.2	14.78
PW-15AR	5.68	121	2.9	146.6	14.58
PW-16	5.77	131	1.24	117	14.15
PW-19A	5.32	162	0.21	25.4	20.1
PW-20A	5.09	333	0.59	42.1	16.48
PW-30A	5.19	411	0.74	27.6	16.95
PW-31A	5.2	377	0.15	44.4	15.54
PW-32A	6.32	262	0.14	150.9	16.38
PW-33A	5.62	306	0.12	-19.3	18.07
PW-34A	6.06	226	0.35	68.2	17.9
PW-42A	5.2	107	0.49	32	15.87
PW-45A	6.51	164	2.34	114.4	17.45

Table 3. Sitewide Water Quality Parameters

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	pH	Specific Conductivity	Dissolved Oxygen	Oxidation-Reduction Potential	Temperature
Unit	units	µS/cm	mg/L	mV	°C
PW-46A	6.56	241	0.1	-59.4	17.5
PW-68A	6.49	257	0.26	111.2	16.23
PW-69A	6.63	200	0.21	0.8	18.34
PW-70AR	6.61	131	1.03	105.9	18.72
PW-71A	6.62	85	1.04	130	16.81
PW-72A	6.88	200	0.34	98.4	15.61
PW-73A	5.82	94	3.23	47.2	14.17
PW-73B	6.44	172	0.12	22.2	15.39
PW-74A	6.64	207	0.45	13.4	16.53
PW-74B	6.14	132	1.38	143.4	14.68
PW-75A	6.28	1,711	0.45	157.6	17.36
PW-76A	6.27	430	1.06	77.1	16.08
PW-77A	6.14	421	0.2	8.2	17.42
PW-78A	6.7	430	0.23	65.2	15.81
PW-79A	6.85	510	0.12	-35.2	17.71
PW-80A	6.72	303	0.21	125.2	17.44
PW-81A	5.54	528	0.28	26.6	19.61
PW-82A	6.89	268	2.47	21.3	16.7
PW-83A	6.88	306	3.98	23	16.82
PW-84A	6.81	156	2.09	24.1	16.72
PW-85A	6.65	205	0.15	-58.3	14.52
PW-86A	6.82	168	0.17	19.4	16.7
PW-87A	5.55	1,507	0.41	102.1	17.47
PW-88A	6.75	343	0.15	3.6	16.65
PW-89A	6.05	236	0.2	50.6	15.99
PW-91A	6.53	214	0.12	43.7	18
PW-92A	6.78	262	0.12	-68.6	18.57
PW-93A	5.19	394	0.41	44.4	16.84
PW-94A	5.46	921	0.4	37.1	19.2
PW-95A	5.32	296	0.63	54.7	15.69
PW-98A	5.01	394	0.12	-32.1	17.42
PW-99A	5.38	117	0.13	37.4	17.87
PZ-01	6.51	706	0.19	148.6	16.88
TMW-1	5.69	1,317	0.84	-33.8	19.03
TMW-3	4.73	1,584	3.03	-62.1	17.53
TMW-4	4.76	1,998	1.23	37	18.79
TMW-5	5.23	1,923	2.44	-17.8	19.87

Table 3. Sitewide Water Quality Parameters

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	pH	Specific Conductivity	Dissolved Oxygen	Oxidation-Reduction Potential	Temperature
Unit	units	µS/cm	mg/L	mV	°C
Surface Water					
MC-U	6.49	273	6.46	113.5	16.64
MC-M	6.96	231	73.8	97	21.72
MC-D	6.8	213	7.7	129.8	12.89
TC-U	6.77	251	7.63	144.6	13.94
TC-D	7.01	267	9.84	141.4	15.43

Notes:

°C = degree Celsius.

µS/cm = microSiemen per centimeter.

mg/L = milligram per liter.

mV = millivolt.

NM = not measured.

Table 4. Page Index to Analytical Results by Compound and Area

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Analytic Compound	Solids Area	Farm Ponds Area	Extraction Area	Fabrication Area	Surface Water
	page	page	page	page	page
Total Metals					
Antimony	5	13	23	33	43
Arsenic	5	13	23	33	43
Barium	5	13	23	33	43
Beryllium	5	13	23	33	43
Cadmium	5	13	23	33	43
Chromium	5	13	23	34	43
Copper	6	14	24	34	43
Cyanide	6	14	24	34	44
Manganese	6	14	24	34	44
Mercury	6	14	24	34	44
Selenium	6	14	24	35	44
Silver					44
Thallium	6	14	24	35	44
Uranium	6	15	25	35	44
Zinc					45
Dissolved Metals					
Antimony	7	15	25	35	45
Arsenic	7	15	25	35	45
Barium	7	15	25	35	45
Beryllium	7	15	25	35	45
Cadmium	7	15	25	36	45
Chromium	7	15	25	36	46
Copper	7	16	26	36	46
Manganese	8	16	26	36	46
Selenium	8	16	26	36	46
Silver					46
Uranium	8	16	26	37	46
Zinc					46
General Chemistry					
Ammonium	8	16	26	37	47
Chloride					47
Fluoride	8	16	26	37	
Nitrate	8	17	27	37	
Volatile Organic Compounds					
Vinyl chloride	9	17	27	37	
1,1-dichloroethene	9	17	27	38	47
1,1-dichloroethane	9	17	27	38	
cis-1,1-dichloroethene	9	17	27	38	47
Chloroform	9	17	27	38	47
1,2-dichloroethane	9	17	28	38	47
1,1,1-trichloroethane	9	18	28	38	47
Carbon tetrachloride	9	18	28	39	48
1,2-dichloropropane	10	18	28	39	48
Trichloroethene	10	18	28	39	48
Dibromochloromethane	10	18	28	39	48
1,1,2-trichloroethane	10	18	28	39	48
Benzene	10	18	28	39	48
Tetrachloroethene	10	19	29	39	48

Table 4. Page Index to Analytical Results by Compound and Area

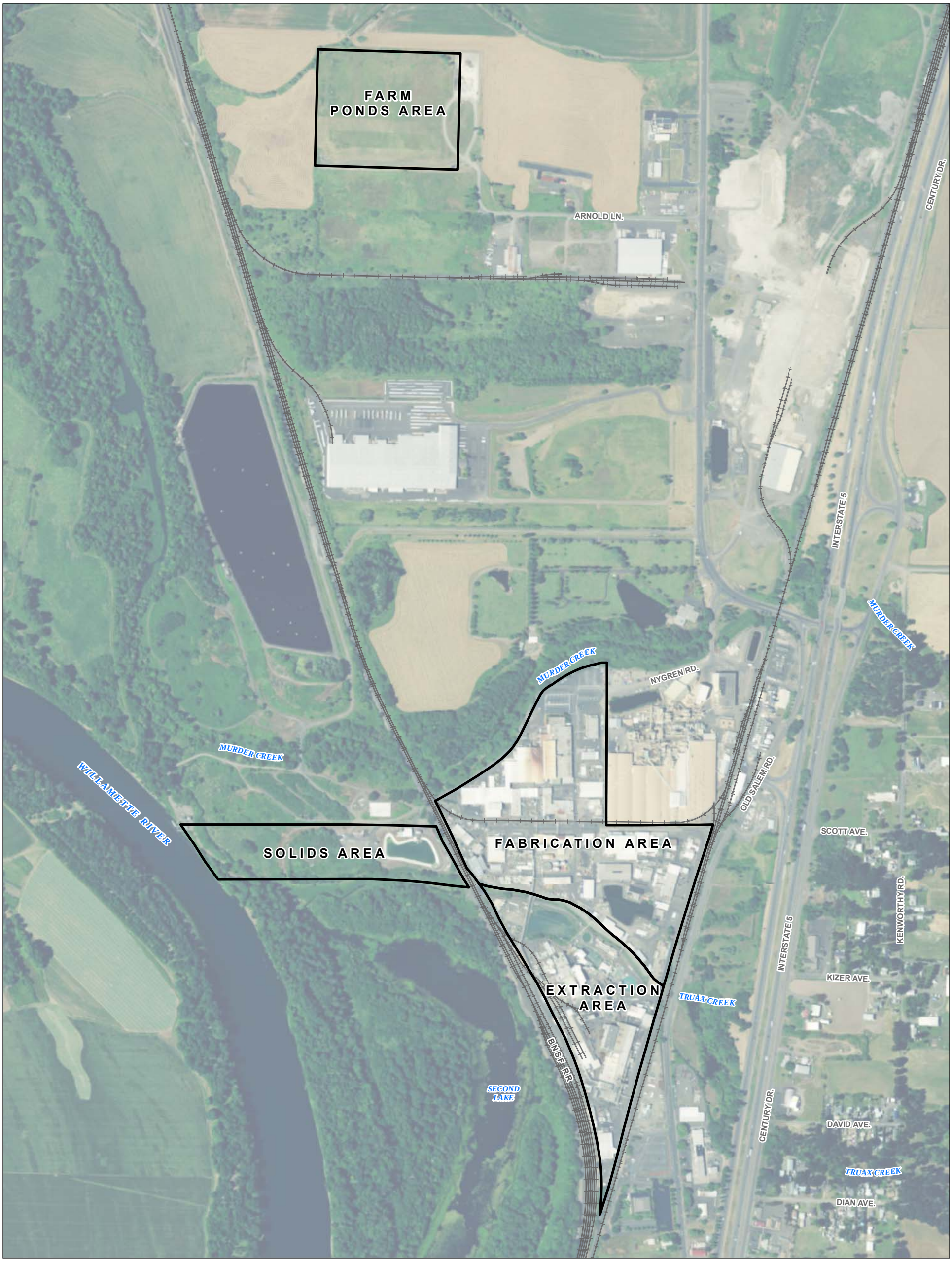
Sitewide Groundwater and Surface Water Sampling Results - 2016

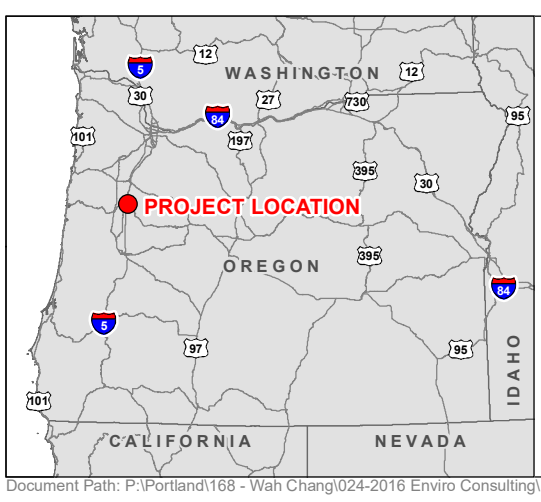
ATI Millersburg Operations, Oregon

Analytic Compound	Solids Area	Farm Ponds Area	Extraction Area	Fabrication Area	Surface Water
	page	page	page	page	page
Toluene	10	19	29	40	48
1,1,2,2-tetrachloroethane	11	19	29	40	49
Chlorobenzene	11	19	29	40	
Ethyl benzene					49
Styrene	11	19	29	40	
Xylenes (total)	11	19	29	40	
Acrolein					49
Acrylonitrile					49
Semivolatile Organic					
1,2,4-trichlorobenzene	11	19	30	41	
Hexachlorocyclopentadiene	11	20	30	41	
2,4,5-trichlorophenol	11	20	30	41	
Hexachlorobenzene	12	20	30	41	
Pentachlorophenol	12	20	30	41	
Benzo(a)pyrene	12	20	30	41	
Phenol					49
2-Chlorophenol					49
1,3-Dichlorobenzene					49
1,4-Dichlorobenzene					50
1,2-Dichlorobenzene					50
Hexachloroethane					50
Nitrobenzene					50
Isophorone					50
2-Nitrophenol					50
2,4-Dimethylphenol					50
2,4-Dichlorophenol					51
Naphthalene					51
Hexachlorobutadiene					51
Hexachlorocyclopentadiene					51
2,4,6-Trichlorophenol					51
2-Chloronaphthalene					51
2,6-Dinitrotoluene					51
Acenaphthene					52
1,2-Diphenylhydrazine					52
4-Nitrophenol					52
Fluoranthene					52
Benzidine					52
Radium					
Radium-226/228	12	20	31	41	52
Polychlorinated Biphenyls					
Total PCBs		21		41	

Notes

PCBs = polychlorinated biphenyls





LEGEND

Site

Railroad

Date: March 31, 2017
Data Sources: ATI, NAIP 2016

N

0 325 650 975
Feet

GSI Water Solutions, Inc.

FIGURE 1

Site Location Map

ATI Millersburg Operations, Oregon

Document Path: P:\Portland\168 - Wah Chang\024-2016 Enviro Consulting\Project_GIS\Project_mxds\5yr_Sitewide_Report\Figure1_Site_Location_Map.mxd

FIGURE 2a

Solids Area Monitoring Wells

ATI Millersburg Operations, Oregon

LEGEND

- PWB-1 Monitoring Well Screened in Recent Alluvium or Willamette Silt
- PWB-2 Monitoring Well Screened in Linn Gravel
- PWB-3 Monitoring Well Screened in Blue Clay or Spencer Formation
- Cell 3 Boundary
- Railroad

NOTE:
Wells W-10 and PW-08 abandoned in 1991.

N

0 100 200 300
Feet

Date: March 30, 2017
Data Sources: City of Albany GIS, ATI, NAIP 2016

GSI Water Solutions, Inc.

Document Path: P:\Portland\168 - Wah Chang\024-2016 Enviro Consulting\Project_GIS\Project_mxds\5yr_Sitewide_Report\Figure2a_Solids_Area_MWs.mxd

FIGURE 2b

Farm Ponds Area Monitoring Wells

ATI Millersburg Operations, Oregon

LEGEND

- Monitoring Well
- Railroad

N

0 125 250 375
Feet

Date: March 31, 2017
Data Sources: Wah Chang, City of Albany GIS

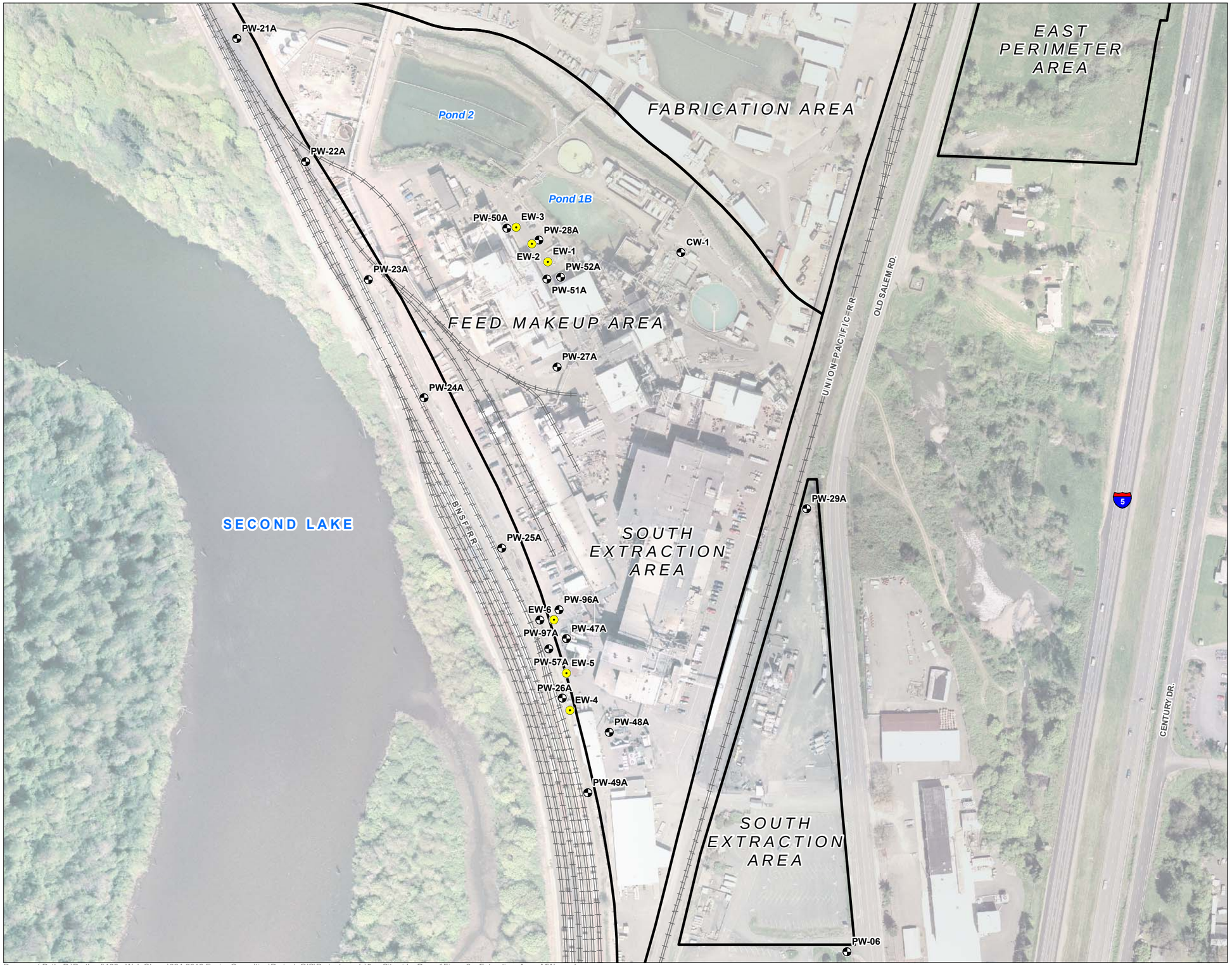
GSI Water Solutions, Inc.

Document Path: P:\Portland\168 - Wah Chang\024-2016 Enviro Consulting\Project_GIS\Project_mxds\5yr_Sitewide_Report\Figure2b_Farm_Ponds_Area_MWs.mxd

FIGURE 2c

Extraction Area Monitoring Wells

ATI Millersburg Operations, Oregon



LEGEND

- Monitoring Well
- Extraction Well
- Railroad

N

0 100 200 300
Feet

Date: March 30, 2017
Data Sources: City of Albany GIS, Wah Chang

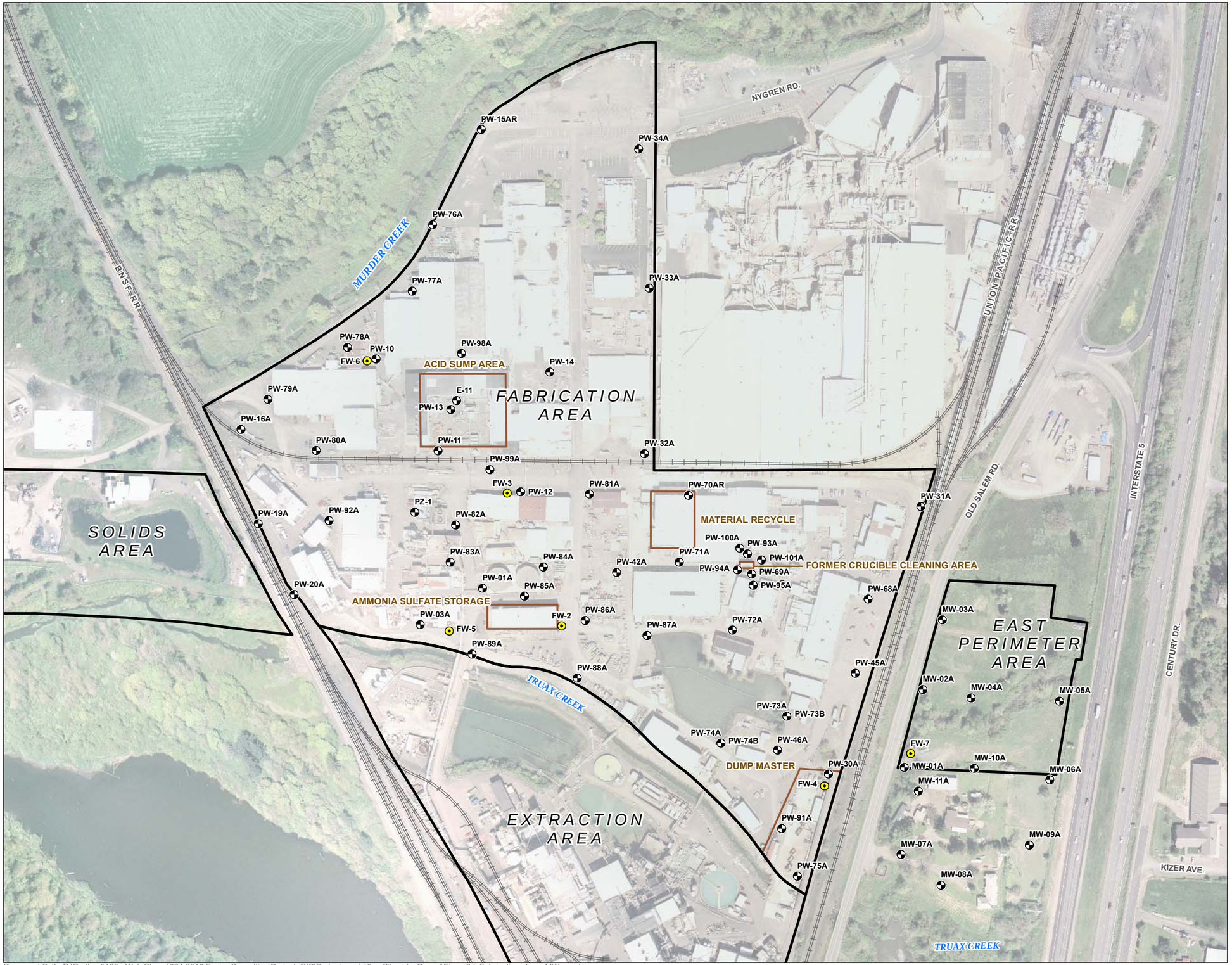
GSI Water Solutions, Inc.

Document Path: P:\Portland\168 - Wah Chang\024-2016 Enviro Consulting\Project_GIS\Project_mxds\5yr_Sitewide_Report\Figure2c_Extraction_Area_MWs.mxd

FIGURE 2d

Fabrication Area Monitoring Wells

ATI Millersburg Operations, Oregon



LEGEND

- Monitoring Well
- Extraction Well
- Remediation Area
- Railroad

NOTE:
TMW-1 and TMW-4 removed August 2016. I-2, I-3, EI-5 added to monitoring network in fall of 2016.

N

0 125 250 375
Feet

Date: March 31, 2017
Data Sources: Wah Chang, City of Albany GIS

GSI Water Solutions, Inc.

Document Path: P:\Portland\168 - Wah Chang\024-2016 Enviro Consulting\Project_GIS\Project_mxds\5yr_Sitewide_Report\Figure2d_Fabrication_Area_MWs.mxd

FIGURE 2e

Surface Water Sample Locations

ATI Millersburg Operations, Oregon

LEGEND

- Surface Water Sample Location
- Railroad

NOTES:

TC: Truax Creek
MC: Murder Creek
U: Upstream
M: Middle stream
D: Downstream

N

0 125 250 375
Feet

Date: March 30, 2017
Data Sources: Wah Chang, City of Albany GIS

GSI Water Solutions, Inc.

Document Path: P:\Portland\168 - Wah Chang\024-2016 Enviro Consulting\Project_GIS\Project_mxds\5yr_Sitewide_Report\Figure2e_Fabrication_Area_SW.mxd

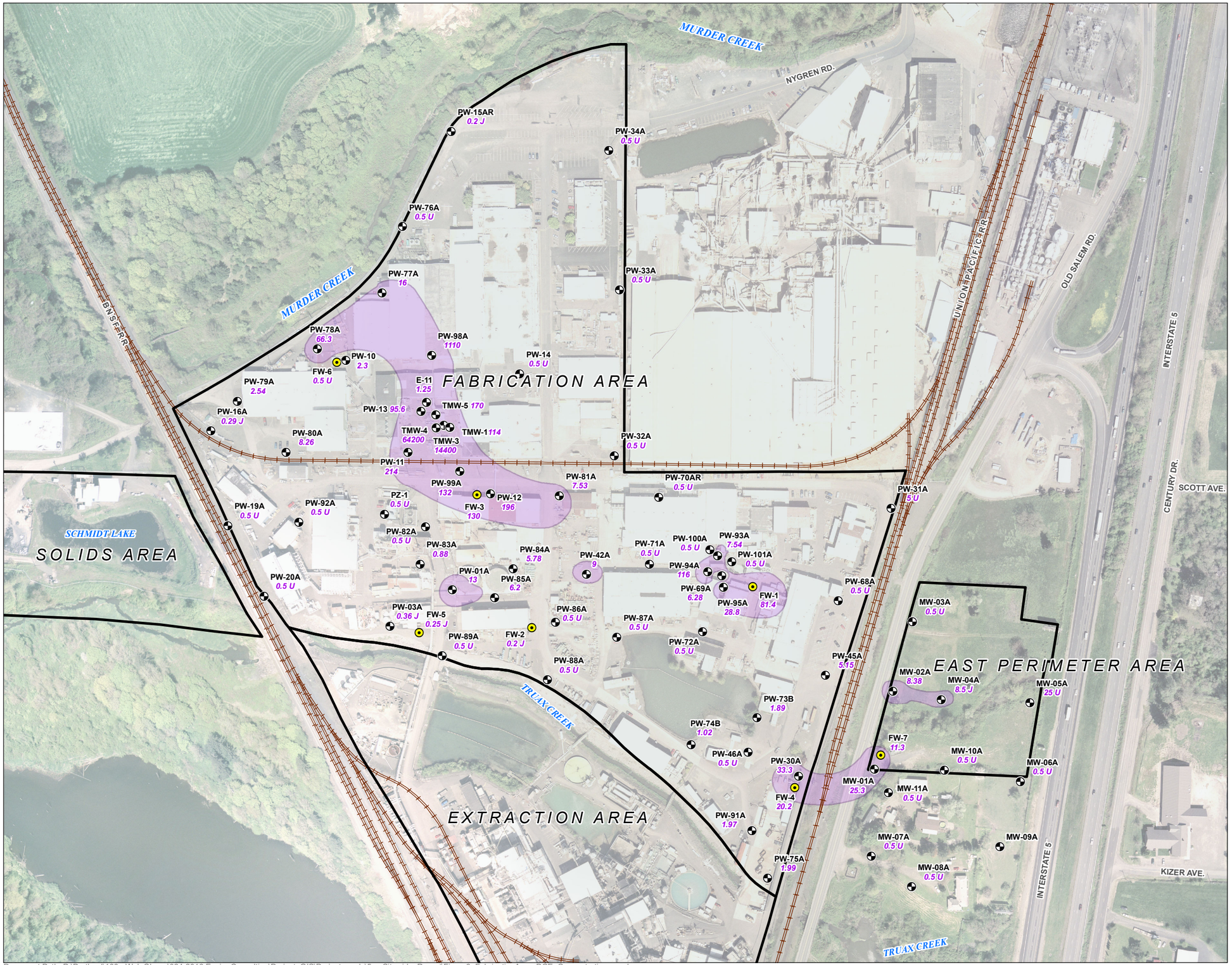


FIGURE 3

Sitewide 1,1-Dichloroethene Distribution

ATI Millersburg Operations, Oregon

LEGEND

- Monitoring Well
  DCE Concentration in ug/L
- Extraction Well
  DCE Concentration in ug/L
- DCE Concentrations Above the ROD Standard (7 µg/L)
- Railroad

ANALYTICAL RESULTS FROM OTHER AREAS

Extraction: No ROD exceedances
25 Wells, 16 Us, 5 Js
EW-1, 1.26, greatest concentration
Solids: No ROD exceedances
17 Wells, 13 Us, 3 Js
PWB-3, 1.2, greatest concentration
Farm Ponds: No ROD exceedances
32 Wells, 31 Us
PW-104s, 1.52, greatest concentration

NOTES:
ROD: record of decision
DCE: 1,1-Dichloroethene
J: estimated value below reporting limit
U: not detected above reporting limit
µg/L: micrograms per liter
Concentration data are from 2016 Sitewide sampling event (see appendices for complete analytical details).

N

0 125 250 375
Feet

Date: March 31, 2017
Data Sources: Wah Chang, City of Albany GIS

GSI Water Solutions, Inc.

Document Path: P:\Portland\168 - Wah Chang\024-2016 Enviro Consulting\Project_GIS\Project_mxds\5yr_Sitewide_Report\Figure3_FabricationArea_DCE_Concentrations.mxd

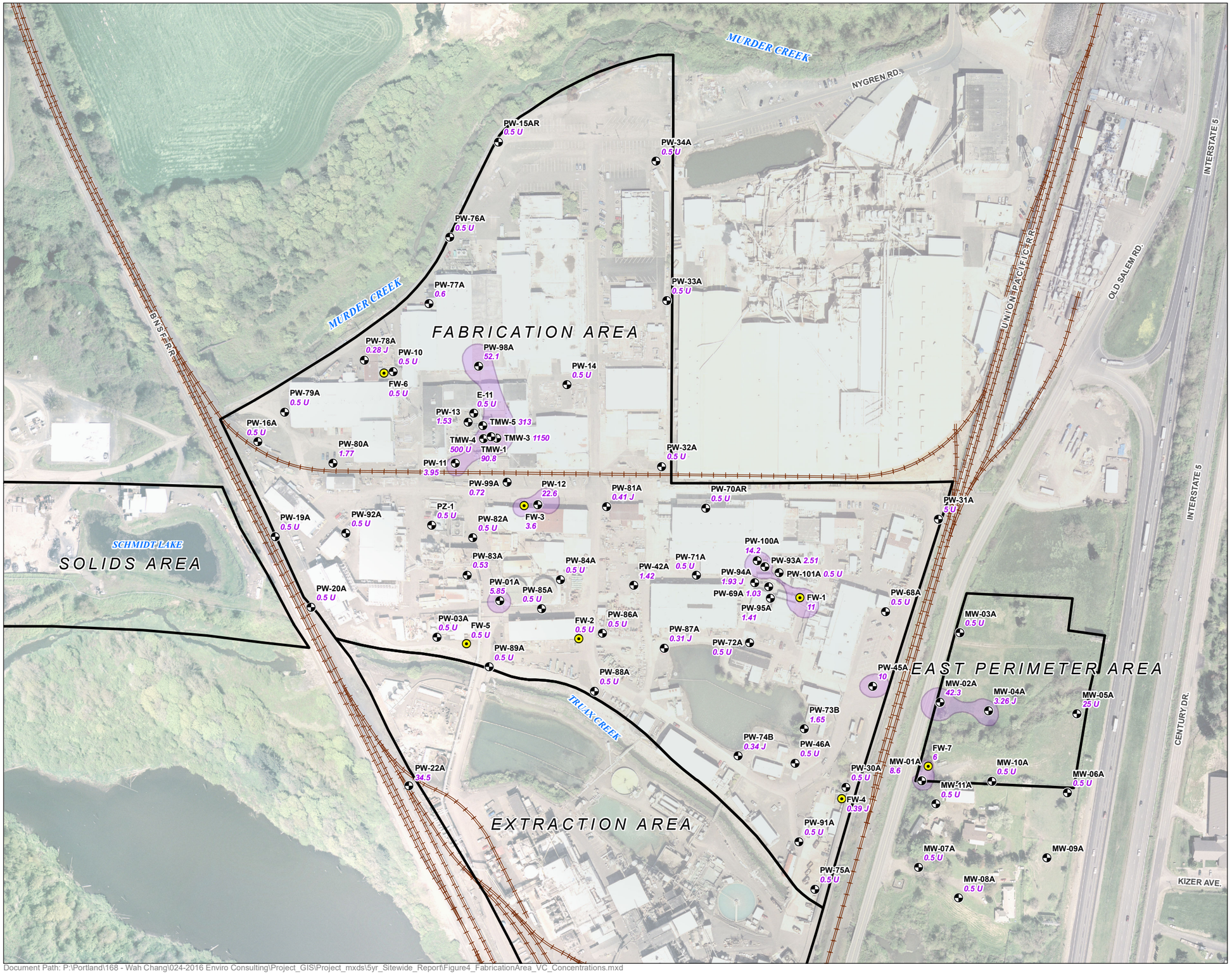


FIGURE 4

Sitewide Vinyl Chloride Distribution

ATI Millersburg Operations, Oregon

LEGEND

- Monitoring Well
  VC Concentration in ug/L
- Extraction Well
  VC Concentration in ug/L
- VC Concentrations Above the ROD Standard (2 µg/L)
- Railroad

ANALYTICAL RESULTS FROM OTHER AREAS

Extraction: PW-22A (shown) Above ROD, will be resampled in April 2017, no other exceedances
25 Wells, 20 Us, 2 Js
Solids: No ROD exceedances
17 Wells, 17 Us
Farm Ponds: No ROD exceedances
32 Wells, 29 Us
Detections: PW-104s, 0.55, PW-40A, 0.32 J, PW-40s, 0.3J

NOTES:
ROD: record of decision
VC: Vinyl Chloride
J: estimated value below reporting limit
U: not detected above reporting limit
µg/L: micrograms per liter
Concentration data are from 2016 Sitewide sampling event (see appendices for complete analytical details).

N

0 125 250 375
Feet

Date: March 31, 2017
Data Sources: Wah Chang, City of Albany GIS

GSI Water Solutions, Inc.

Document Path: P:\Portland\168 - Wah Chang\024-2016 Enviro Consulting\Project_GIS\Project_mxds\5yr_Sitewide_Report\Figure4_FabricationArea_VC_Concentrations.mxd

Appendix A. Solids Area Analytical Results

Table A-1. Solids Area Total Metals Data
Table A-2. Solids Area Dissolved Metals Data
Table A-3. Solids Area General Chemistry Data
Table A-4. Solids Area Volatile Organic Compounds Data
Table A-5. Solids Area Semivolatile Organic Compounds Data
Table A-6. Solids Area Radium-226/228 Data

Table A-1. Solids Area Total Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Copper	Cyanide	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Selenium	Silver
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	6	10	2,000	1	5	--	100	1,000	200	--	--	--	50	2	--	50	--
PW-07	18.1 J	0.0699 J	0.168 J	21.2	1 U	1 U	26,500	2 U	4 U	11.1	2,320	1 U	7,850	545	0.1 U	9	1 U	1 U
PW-09	6,710	0.79	5.77	123	0.25 J	1.82	93,900	3.91	56.9 J	3.26 J	11,300	3.06	33,600	2,420	0.086 J	8.94	0.66	0.31 J
PW-17B	41.9	0.0488 J	9.41	256	0.5 U	0.5 U	103,000	0.257 J	3.44	2.44 J	45,000	0.5 U	137,000	8,270	0.1 U	4.18	0.533	0.5 U
PW-18B	276	0.053 J	0.078 J	5.95	0.09 J	0.5 U	19,700	0.2 J	1.16 J	3.46 J	88.4 J	0.5 U	7,570	19.5	0.1 U	2.82	0.13 J	0.5 U
PWA-1	10 U	0.5 U	2.81	284	0.5 U	0.5 U	165,000	0.21 J	3.58	5 UJ	29,300	0.5 U	286,000	6,310	0.1 U	11.5	0.4 J	0.5 U
PWA-2	10 U	0.058 J	3	405	0.5 U	0.5 U	259,000	0.13 J	3.3	5 UJ	34,000	0.5 U	441,000	8,120	0.1 U	15.7	0.65	0.5 U
PWB-1	10 U	0.031 J	10.1	87.6	0.5 U	0.5 U	39,600	0.21 J	10 U	2.44 J	11,700	0.045 J	52,400	2,310	0.1 U	1.6	0.35 J	0.5 U
PWB-2	10 U	0.5 U	14.2	94.7	0.5 U	0.5 U	39,400	0.19 J	10 U	2.64 J	23,800	0.5 U	50,400	2,320	0.1 U	1.65	0.32 J	0.5 U
PWB-3	100 U	5 U	1.68 J	303	5 U	5 U	1,100,000	1.16 J	37.6 J	5 UJ	58,600	5 U	2,300,000	20,200	0.1 U	54.8	2.45 J	5 U
PWC-1	9.93 U	0.086 J	1.5	158	0.038 J	0.5 U	107,000	1 U	2 U	5 U	20,800	0.5 U	43,100	1,340	0.1 U	13.4	0.47 J	0.5 U
PWC-2	9.49 U	0.089 J	1.11	201	0.025 J	0.5 U	123,000	1 U	1.46 J	5 U	15,000	0.5 U	36,100	937	0.1 U	4.39	0.4 J	0.5 U
PWD-1	50 U	0.16 J	2.82	390	2.5 U	2.5 U	315,000	5 U	10 U	5 U	100,000	2.5 U	175,000	6,330	0.1 U	6.95	1.03 J	2.5 U
PWD-2	10 U	0.5 U	2.54	537	0.5 U	0.5 U	449,000	0.11 J	8.08	2.64 J	9,440	0.5 U	79,800	1,870	0.1 U	7.31	1.69	0.5 U
PWE-1	5.19 J	0.041 J	10.3	53.7	0.5 U	0.5 U	50,300	0.39 J	2 U	4.03 J	6,710	0.5 U	38,500	2,210	0.1 U	1.26	0.24 J	0.5 U
PWE-2	17.4 J	2.5 U	0.38 J	300	2.5 U	2.5 U	253,000	0.72 J	10 U	2.08 J	148,000	2.5 U	202,000	11,800	0.1 U	1.77 J	0.7 J	2.5 U
PWF-1	16.3 J	0.212 J	1.27 J	117	2.5 U	2.5 U	315,000	5 U	10 U	275	6,080	2.5 U	112,000	2,330	0.1 U	9.42	0.6 J	2.5 U
PWF-2	50 U	2.5 U	2.54	205	2.5 U	2.5 U	554,000	5 U	10 U	323	10,900	2.5 U	151,000	2,730	0.1 U	12.5	1.43 J	2.5 U

Table A-1. Solids Area Total Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Sodium	Thallium	Thorium	Tin	Uranium	Zinc
Unit	µg/L	µg/L	mg/L	µg/L	mg/L	µg/L
Cleanup Level [1]	--	2	--	--	0.03	--
PW-07	13,400	0.4 U	0.005 U	25 U	0.0005 J	4 UJ
PW-09	24,400	0.059 J	0.005 U	25 U	0.0005	50 U
PW-17B	72,200	0.2 U	0.005 U	18.7 J	0.0005 U	20 U
PW-18B	12,800	0.2 U	0.005 U	25 U	0.0005 U	108
PWA-1	117,000	0.2 U	0.005 U	15.1 J	0.0005 U	4.35 J
PWA-2	146,000	0.2 U	0.005 U	25 U	0.0005 U	6.65 U
PWB-1	32,700	0.2 U	0.005 U	14.6 J	0.0005 U	5.09 U
PWB-2	32,200	0.2 U	0.005 U	15 J	0.0005	6.76 U
PWB-3	562,000	2 U	0.005 U	271	0.0005	3.34 U
PWC-1	66,700	0.2 U	0.005 U	25 U	0.0005 J	3.84 U
PWC-2	71,400	0.2 U	0.005 U	25 U	0.0005 U	52.8 J
PWD-1	134,000	1 U	0.005 U	20.3 J	0.0005 U	3.55 U
PWD-2	216,000	0.2 U	0.005 U	24.8 J	0.0005 U	3.45 U
PWE-1	21,200	0.2 U	0.005 U	13.4 J	0.0005 U	16.6 J
PWE-2	66,800	1 U	0.005 U	30.4	0.0005 U	3.42 J
PWF-1	34,200	1 U	0.005 U	22.6 J	0.0005 J	15.9 J
PWF-2	48,500	1 U	0.005 U	37.4	0.0005 U	17.8 J

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

µg/L = microgram per liter.

J = estimated value below the reporting limit.

mg/L = milligram per liter.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table A-2. Solids Area Dissolved Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Selenium	Silver	Sodium	Thorium
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
Cleanup Level [1]	--	6	10	2,000	1	5	--	100	1,000	--	--	--	50	--	50	--	--	--
PW-07	20 U	1 U	0.119 J	20.4	1 U	1 U	27,400	0.533 J	4 U	2,420	1 U	8,070	571	9	1 U	1 U	14,600	0.005 U
PW-09	3.61 J	1.54	4.31	54	0.5 U	0.5 U	69,500	0.82 J	2 U	2,650	0.5 U	28,100	1,980	2.9	0.61	0.5 U	21,500	0.005 U
PW-17B	10 U	0.16 U	7.64	205	0.5 U	0.5 U	87,300	1.51	2.79	37,100	0.5 U	120,000	6,970	3.23	0.834	0.5 U	60,300	0.005 U
PW-18B	266	0.15 U	0.08 U	5.95	0.072 J	0.5 U	19,500	0.43 J	2 U	12.6 J	0.5 U	7,360	18.2	2.84	0.19 U	0.5 U	12,600	0.005 U
PWA-1	10 U	0.15 U	3.17	285	0.5 U	0.5 U	167,000	1.63	2.89	29,800	0.5 U	278,000	6,430	11.7	0.93	0.5 U	118,000	0.005 U
PWA-2	10 U	0.15 J	2.99	402	0.5 U	0.5 U	259,000	1.01	3.94	32,200	0.5 U	433,000	8,100	15.8	1	0.5 U	146,000	0.005 U
PWB-1	10 U	0.15 U	10.1	85.4	0.5 U	0.5 U	38,800	0.52 J	10 U	11,500	0.5 U	49,400	2,270	1.57	0.33 J	0.5 U	32,300	0.005 U
PWB-2	10 U	0.15 U	14.5	97	0.5 U	0.5 U	39,100	0.98 J	10 U	23,200	0.5 U	49,000	2,310	1.55	0.34 J	0.5 U	31,500	0.005 U
PWB-3	100 U	5 U	1.83 J	286	5 U	5 U	858,000	1.27 J	100 U	43,200	5 U	1,800,000	14,800	52.1	3.99 J	5 U	429,000	0.005 U
PWC-1	10 U	0.15 U	1.61	150	0.029 J	0.5 U	104,000	2.21	10 U	20,600	0.5 U	38,900	1,310	13	0.47 J	0.5 U	65,200	0.005 U
PWC-2	10 U	0.16 U	1.24	189	0.5 U	0.5 U	116,000	1.46	2 U	14,500	0.5 U	32,400	905	4.02	0.49 J	0.5 U	65,500	0.005 U
PWD-1	50 U	2.5 U	2.91	377	2.5 U	2.5 U	304,000	5 U	10 U	94,200	2.5 U	169,000	6,110	4.1	2.42 J	2.5 U	130,000	0.005 U
PWD-2	10 U	0.16 U	3.1	545	0.5 U	0.5 U	441,000	0.61 J	8.08	9,430	0.5 U	76,100	1,780	7.08	4.02	0.5 U	213,000	0.005 U
PWE-1	15.2	0.14 UJ	11.1	53.1	0.5 U	0.5 U	49,700	1.27	2 U	6,800	0.5 U	37,800	2,170	1.39	0.32 J	0.5 U	20,900	0.005 U
PWE-2	50 U	2.5 U	0.17 J	289	2.5 U	2.5 U	243,000	2.14 J	10 U	144,000	2.5 U	193,000	11,400	1.67 J	0.83 J	2.5 U	62,500	0.005 U
PWF-1	50 U	0.191 J	1.18 J	113	2.5 U	2.5 U	285,000	1.23 J	10 U	5,400	2.5 U	105,000	2,280	8.96	1.07 J	2.5 U	31,600	0.005 U
PWF-2	50 U	0.202 J	2.61	198	2.5 U	2.5 U	539,000	5 U	10 U	10,600	2.5 U	147,000	2,650	12	1.88 J	2.5 U	45,200	0.005 U

Table A-2. Solids Area Dissolved Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Tin	Uranium	Zinc
Unit	µg/L	mg/L	µg/L
Cleanup Level [1]	--	0.03	--
PW-07	25 U	0.0006	20 U
PW-09	25 U	0.002	4.63 U
PW-17B	18.8 J	0.0005 U	3.46 J
PW-18B	25 U	0.0005 U	3.46 U
PWA-1	14.8 J	0.0005 U	5.02 U
PWA-2	25 U	0.0005 U	6.67 U
PWB-1	14 J	0.0005 U	3.34 U
PWB-2	13.3 J	0.0008	3.41 U
PWB-3	257	0.0021	52.5 J
PWC-1	25 U	0.0001 J	3.57 U
PWC-2	25 U	0.0005 U	2.86 U
PWD-1	25.1	0.0005 U	16.9 J
PWD-2	20.9 J	0.0005 U	2.92 J
PWE-1	10.3 J	0.0005 U	3.93 UJ
PWE-2	32.5	0.0005 U	13.2 UJ
PWF-1	22.4 J	0.0003 J	15.5 J
PWF-2	37.7	0.0005 U	17.1 J

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

µg/L = microgram per liter.

J = estimated value below the reporting limit.

mg/L = milligram per liter.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table A-3. Solids Area General Chemistry Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Alkalinity	Ammonia	Chloride	Fluoride	Nitrate	Sulfate	Total Dissolved Solids	Total Organic Solids	Total Suspended Solids	Hardness
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Cleanup Level [1]	--	250	--	4	10	--	--	--	--	--
PW-07	121	10.3	28.3	0.173 J	2.58	6.75	237	0.449 J	4.2 J	99
PW-09	504	44.2	71.9	1.69	0.094 U	5.25	456	12.7	1,760	373
PW-17B	179	16.3	526	1.06	0.0948 J	10.8	1,320	4.81	50.6	821
PW-18B	53.1	0.05 U	15	1.96	0.18	22.3	145	2.31	5 U	80.4
PWA-1	433	6.72	1,060	0.22 J	0.099 J	23.8	2,090	3.61	62.4	1,509
PWA-2	192	12.5	1,790	1 U	0.097 J	50.5	4,510	2.27	54.4	2,460
PWB-1	334	18.3	60.8	1.36	0.18	19	432	3.96	25.2	315
PWB-2	327	18.5	60.6	1.48	0.1	20.9	406	4.25	50.8	306
PWB-3	88.7	104	1,030	10.4	0.1 U	163	18,900	2.13	30	12,200
PWC-1	525	0.18	13.2	0.34 J	0.14	39.1	596	2.73	31	445
PWC-2	604	0.27	12.4	0.29 J	0.1 U	6.5	679	3.47	11.4	456
PWD-1	131	12.6	1,460	0.063 J	0.09 U	0.049 J	3,370	2.2	83.4	1,510
PWD-2	98.1	1.18	1,330	0.135 J	0.115 U	0.19 J	2,930	0.748	18.4	1,450
PWE-1	165	9.71	134	2.67	0.1 U	16 J	481	3.61	15.3	284
PWE-2	152	3.07	1,200	0.053 J	0.1 U	0.2 U	3,250	2.21	36	1,460
PWF-1	193	12.7	659	0.274 J	2.31	73.6	2,190	2.61	5.4	1,250
PWF-2	108	12.8	1,280	0.122 J	0.1 U	129	3,550	4.75	11.2	2,010

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

J = estimated value below the reporting limit.

mg/L = milligram per liter.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table A-4. Solids Area Volatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Chloromethane	Bromomethane	Vinyl Chloride	Chloroethane	Methylene Chloride	Acetone	Carbon Disulfide	1,1-Dichloroethylene	1,1-Dichloroethane	cis-1,2-Dichloroethylene	Chloroform	1,2-Dichloroethane	2-Butanone	1,1,1-Trichloroethane	Carbon Tetrachloride	Bromodichloromethane	1,2-Dichloropropane	cis-1,3-Dichloropropene
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	2	--	--	--	--	7	--	70	70	5	--	200	5	--	5	--
PW-07	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-09	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	21.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-17B	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.52	0.24 J	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-18B	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PWA-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.18 J	0.48 J	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PWA-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	0.83	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PWB-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PWB-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PWB-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2	2.52	0.21 J	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PWC-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PWC-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PWD-1	0.5 U	0.5 U	0.5 U	0.15 J	0.5 U	1.59	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PWD-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PWE-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PWE-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PWF-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.48 J	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PWF-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.23 J	0.49 J	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table A-4. Solids Area Volatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Trichloroethylene	Dibromochloromethane	1,1,2-Trichloroethane	Benzene	trans-1,3-Dichloropropene	Bromoform	4-Methyl-2-pentanone	2-Hexanone	Tetrachloroethylene	Toluene	1,1,2,2-Tetrachloroethane	Chlorobenzene	Ethyl Benzene	Styrene	Xylenes (Total)	Acrolein	Acrylonitrile	2-Chloroethylvinylether
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	5	60	3	5	--	--	--	--	5	1,000	0.175	100	--	100	10,000	--	--	--
PW-07	0.71	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-09	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-17B	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-18B	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PWA-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PWA-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PWB-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PWB-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PWB-3	0.16 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PWC-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PWC-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PWD-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PWD-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PWE-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PWE-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PWF-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PWF-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

µg/L = microgram per liter.

J = estimated value below the reporting limit.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table A-5. Solids Area Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Phenol	bis(2-Chloroethyl)ether	2-Chlorophenol	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichlorobenzene	2-Methylphenol	2,2'-oxybis(1-Chloropropane)	4-Methylphenol	N-Nitroso-di-n-dipropylamine	Hexachloroethane	Nitrobenzene	Isophorone	2-Nitrophenol	2,4-Dimethylphenol	bis(2-Chloroethoxy)methane	2,4-Dichlorophenol	1,2,4-Trichlorobenzene
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	70
PW-07	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U
PW-09	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]
PW-17B	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U
PW-18B	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
PWA-1	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U
PWA-2	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U
PWB-1	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U
PWB-2	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U
PWB-3	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U
PWC-1	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U
PWC-2	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U
PWD-1	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U
PWD-2	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U
PWE-1	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U
PWE-2	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PWF-1	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U
PWF-2	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U

Table A-5. Solids Area Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Naphthalene	4-Chloroaniline	Hexachlorobutadiene	4-Chloro-3-methylphenol	2-Methylnaphthalene	Hexachlorocyclopentadiene	2,4,6-Trichlorophenol	2,4,5-Trichlorophenol	2-Chloronaphthalene	2-Nitroaniline	Dimethylphthalate	Acenaphthylene	2,6-Dinitrotoluene	3-Nitroaniline	Acenaphthene	1,2-Diphenylhydrazine	2,4-Dinitrophenol	4-Nitrophenol
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	50	--	50	--	--	--	--	--	--	--	--	--	--
PW-07	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U
PW-09	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]
PW-17B	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U
PW-18B	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 UJ	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
PWA-1	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 UJ	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U
PWA-2	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 UJ	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U
PWB-1	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 UJ	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U
PWB-2	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 UJ	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U
PWB-3	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 UJ	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U
PWC-1	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 UJ	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U
PWC-2	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 UJ	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U
PWD-1	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U
PWD-2	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U
PWE-1	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U
PWE-2	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PWF-1	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U
PWF-2	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U

Table A-5. Solids Area Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Dibenzofuran	2,4-Dinitrotoluene	Diethylphthalate	4-Chlorophenyl-phenyl ether	Fluorene	4-Nitroaniline	4,6-Dinito-2-methylphenol	N-Nitrosodiphenylamine	4-Bromophenyl-phenylether	Hexachlorobenzene	Pentachlorophenol	Phenanthrene	Anthracene	Carbazole	Di-n-butylphthalate	Fluoranthene	Pyrene	Butylbenzylphthalate
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	--	--	--
PW-07	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U
PW-09	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]
PW-17B	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U
PW-18B	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
PWA-1	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U
PWA-2	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U
PWB-1	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U
PWB-2	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U
PWB-3	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U
PWC-1	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U
PWC-2	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U
PWD-1	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U
PWD-2	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U
PWE-1	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U
PWE-2	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PWF-1	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U
PWF-2	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U

Table A-5. Solids Area Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	3,3'-Dichlorobenzidine	Benzo(a)anthracene	Chrysene	bis(2-Ethylhexyl)phthalate	Di-n-octylphthalate	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenzo(a,h)anthracene	Benzo(g,h,i)perylene	Benzidine	Benzyl Alcohol
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	--	--	0.2	--	--	--	--	--
PW-07	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	26.6 U	5.32 U
PW-09	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]
PW-17B	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	26.2 U	5.24 U
PW-18B	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	26 U	5.2 U
PWA-1	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	5.26 U	26.3 U	5.26 U
PWA-2	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	24.9 U	4.98 U
PWB-1	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	5.69 U	28.5 U	5.69 U
PWB-2	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	5.37 U	26.8 U	5.37 U
PWB-3	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	5.57 U	27.9 U	5.57 U
PWC-1	5.29 U	5.29 U	5.29 U	3.77 J	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	5.29 U	26.5 U	5.29 U
PWC-2	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	5.62 U	28.1 U	5.62 U
PWD-1	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	5.65 U	28.2 U	5.65 U
PWD-2	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	5.48 U	27.4 U	5.48 U
PWE-1	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	23.8 U	4.77 U
PWE-2	4.72 U	4.72 U	4.72 U	3.94 J	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	23.6 U	4.72 U
PWF-1	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	24.4 U	4.88 U
PWF-2	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	24.9 U	4.98 U

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

2 Insufficient volume for sample collection.

µg/L = microgram per liter.

J = estimated value below the reporting limit.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table A-6. Solids Area Radium-226/228 Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Radium-226	Radium-228
Unit	pCi/L	pCi/L
Cleanup Level [1]	5	
PW-07	0.21	0.69
PW-09	[2]	[2]
PW-17B	0.54	-0.01
PW-18B	0.14	0.08
PWA-1	0.41	-0.18
PWA-2	0.56	0.22
PWB-1	0.05	0.57
PWB-2	0.11	0.3
PWB-3	1.5	5.5
PWC-1	0.83	0.04
PWC-2	1.6	0.38
PWD-1	0.2	0.42
PWD-2	1	0.08
PWE-1	0.11	-0.04
PWE-2	0.37	0.45
PWF-1	0.41	0.33
PWF-2	1.6	1.5

Notes:

1 Cleanup level is a combined concentration of radium-226 and radium-228.

2 Insufficient volume for sample collection.

pCi/L = picocurie per liter.

= detected value exceeds cleanup level.

Appendix B. Farm Ponds Area Analytical Results

Table B-1. Farm Ponds Area Total Metals Data
Table B-2. Farm Ponds Area Dissolved Metals Data
Table B-3. Farm Ponds Area General Chemistry Data
Table B-4. Farm Ponds Area Volatile Organic Compounds Data
Table B-5. Farm Ponds Area Semivolatile Organic Compounds Data
Table B-6. Farm Ponds Area Radium-226/228 Data
Table B-7. Farm Ponds Area Polychlorinated Biphenyls Data

Table B-1. Farm Ponds Area Total Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Copper	Cyanide	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Selenium	Silver
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	6	10	2,000	1	5	--	100	1,000	200	--	--	--	50	2	--	50	--
HW	16.8	0.18 U	0.5	22.3	0.5 U	0.5 U	25,200	0.18 J	1.45 J	5 U	778	0.35 J	10,300	89.6	0.1 U	1.33	0.2 J	0.5 U
ND	10 U	0.18 U	2.36	11.2	0.5 U	0.5 U	19,100	1 U	11.4	1.91 J	422	0.5 U	10,300	124	0.1 U	0.49 J	0.15 J	0.5 U
ND-1	10 U	0.062 J	0.84	30.2	0.5 U	0.5 U	19,500	1 U	2 U	5 U	519	0.5 U	10,700	31.8	0.1 U	0.41 J	0.32 J	0.5 U
ND-2	13.9	0.5 U	0.76	22.1	0.5 U	0.5 U	23,800	1 U	2 U	5 U	19 J	0.5 U	12,800	3.82	0.1 U	0.48 J	0.4 J	0.5 U
NS	13.4	0.18 U	0.24 J	46.8	0.5 U	0.5 U	73,400	0.32 J	2 U	10.3	18.9 J	0.5 U	26,900	1.89	0.1 U	6.68	0.26 J	0.5 U
PW-35A	18.7	0.11 J	0.14 J	26.1	0.5 U	0.5 U	20,900	0.32 J	2 U	5 U	26.4 J	0.5 U	11,600	30.2	0.1 U	0.33 J	0.14 J	0.5 U
PW-36A	20.2	0.046 J	0.25 J	78.7	0.5 U	0.5 U	23,700	1 U	2 U	5 U	25.9 J	0.5 U	9,400	175	0.1 U	3.43	0.3 J	0.5 U
PW-37A	10 U	0.087 J	21.1	14.8	0.5 U	0.5 U	38,300	0.26 J	2 U	5 U	293	0.5 U	17,900	766	0.1 U	1.18	0.24 J	0.5 U
PW-38A	10 U	0.18 U	1.2	6.21	0.5 U	0.5 U	18,500	1 U	2 U	5 U	100 U	0.5 U	9,070	144	0.1 U	0.41 J	0.14 J	0.5 U
PW-39A	5.6 J	0.18 J	0.21 J	11.8	0.5 U	0.5 U	23,700	1 U	2 U	5 U	184	0.045 J	10,300	97.2	0.1 U	0.98	0.21 J	0.5 U
PW-40A	5.33 J	0.5 U	4.42	26.8	0.5 U	0.5 U	108,000	1 U	2 U	9.63	885	0.5 U	39,800	1,780	0.1 U	4.52	0.54	0.5 U
PW-40S	10 U	0.054 J	1.18	65.9	0.5 U	0.065 J	290,000	0.17 J	2.03	41	61.4 J	0.5 U	93,500	1,480	0.1 U	29.3	1.31	0.5 U
PW-43A	6.5 J	0.039 J	1.43	26.2	0.5 U	0.5 U	37,500	1 U	2 U	5 U	53.9 J	0.5 U	17,000	2,080	0.1 U	1.12	0.24 J	0.5 U
PW-43S	10 U	0.053 J	2.01	112	0.5 U	0.5 U	202,000	5.05	2 U	5 U	100 U	0.5 U	81,000	0.64	0.1 U	4.24	1.01	0.5 U
PW-44A	4.1 J	0.076 J	5.72	14.1	0.5 U	0.5 U	41,700	1 U	2 U	5 U	74.5 J	0.5 U	20,300	494	0.1 U	1.05	0.33 J	0.2 J
PW-44S	10 U	0.11 J	4.75	64.9	0.5 U	0.5 U	102,000	2.24	2 U	5 U	100 U	0.5 U	35,300	0.68	0.1 U	9.12	0.64	0.5 U
PW-64A	10 U	0.17 J	3.42	37	0.5 U	0.5 U	22,900	1 U	2 U	5 U	3,860	0.5 U	12,200	359	0.1 U	0.51	0.22 J	0.093 J
PW-64S	10 U	0.14 J	6.25	22.9	0.5 U	0.5 U	42,300	0.11 J	2 U	2.84 J	34.4 J	0.5 U	18,100	293	0.1 U	0.84	0.21 J	0.5 U
PW-65A	10 U	0.033 J	2.97	19.2	0.5 U	0.5 U	34,700	1 U	2 U	5 U	55.5 J	0.5 U	17,700	998	0.1 U	0.65	0.24 J	0.5 U
PW-65S	36.9	0.12 J	2.33	127	0.5 U	0.5 U	191,000	1.73	2 U	1.68 J	218	0.041 J	67,000	163	0.1 U	3.04	0.45 J	0.034 J
PW-66A	3.84 J	0.043 J	2.78	12.3	0.5 U	0.5 U	31,000	1 U	2 U	5 U	326	0.5 U	15,600	1,460	0.1 U	0.63	0.25 J	0.5 U
PW-66S	3.83 J	0.076 J	3.4	80.1	0.5 U	0.5 U	161,000	0.15 J	2 U	5 U	16.6 J	0.5 U	57,000	78.7	0.1 U	2.98	0.68	0.5 U
PW-67A	260	0.14 J	4.73	132	0.062 J	0.076 J	70,300	0.41 J	2 U	1.57 J	4,570	0.91	35,800	3,720	0.1 U	1.31	0.23 J	0.5 U
PW-67S	10 U	0.076 J	1.86	149	0.5 U	0.5 U	168,000	0.44 J	2 U	5 U	11.6 J	0.5 U	68,400	180	0.1 U	4.79	0.39 J	0.5 U
PW-104S	20 U	1 U	1.73	164	1 U	1 U	270,000	0.35 J	4 U	4.08 J	6,950	1 U	141,000	5,590	0.1 U	11.5	1.08	1 U
PW-105S	22.3	0.14 J	0.33 J	172	0.5 U	0.5 U	35,100	0.44 J	2 U	5 U	70.8 J	0.5 U	18,600	607	0.1 U	3.16	0.45 J	0.5 U
PW-106S	9120	0.32 U	5.19	170	0.31 J	0.2 J	27,700	14.5	19.8	5 U	11,600	4.82	15,700	1,870	0.1 U	9.54	0.42 J	0.21 J
PW-107S	100	0.24 J	0.19 J	83.8	0.5 U	0.5 U	27,600	0.52 J	2 U	5 U	145	0.061 J	15,000	499	0.1 U	2.64	1.41	0.5 U
PW-108A	8.15 J	0.5 U	0.27 J	22.1	0.5 U	0.5 U	24,300	1 U	2 U	3.35 J	3,130	0.5 U	11,800	184	0.1 U	0.87	0.19 J	0.5 U
WD-1	10 U	0.11 U	3.27	12.8	0.5 U	0.5 U	61,000	1 U	4 U	2.84 J	25.2 J	0.5 U	26,500	980	0.1 U	2.15	0.11 J	0.5 U
WD-2	10 U	0.5 U	2.65	12.9	0.5 U	0.5 U	35,600	1 U	2 U	5 U	61.6 J	0.5 U	17,500	1,190	0.1 U	1.17	0.26 J	0.5 U
WS	4.23 J	0.18 U	0.71	51.3	0.5 U	0.5 U	214,000	0.13 J	3.48	46.5	18.4 J	0.5 U	72,600	23.2	0.1 U	9.45	0.8	0.04 J

Table B-1. Farm Ponds Area Total Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Sodium	Thallium	Thorium	Tin	Uranium	Zinc
Unit	µg/L	µg/L	mg/L	µg/L	mg/L	µg/L
Cleanup Level [1]	--	2	--	--	0.03	--
HW	22,100	0.2 U	0.005 U	25 U	0.0005 U	15.5
ND	25,600	0.2 U	0.005 U	25 U	0.0005 U	13.7
ND-1	25,200	0.2 U	0.005 U	25 U	0.0005 U	2.83 U
ND-2	25,100	0.2 U	0.005 U	25 U	0.0005 U	3.08 U
NS	36,800	0.2 U	0.005 U	25 U	0.0009	3.02 J
PW-35A	27,200	0.2 U	0.005 U	25 U	0.0005 U	4.06 U
PW-36A	17,700	0.2 U	0.005 U	25 U	0.0005 U	2.89 J
PW-37A	30,800	0.2 U	0.005 U	25 U	0.0005 U	10 U
PW-38A	23,100	0.2 U	0.005 U	25 U	0.0005 U	2.54 J
PW-39A	17,500	0.2 U	0.005 U	25 U	0.0005 U	2.8 J
PW-40A	46,900	0.2 U	0.005 U	12.2 J	0.0005 U	3.03 J
PW-40S	87,200	0.2 U	0.005 U	35.9	0.004	3.82 J
PW-43A	22,800	0.2 U	0.005 U	25 U	0.0005 U	2.82 J
PW-43S	26,500	0.2 U	0.005 U	26.1	0.0002 J	3.58 J
PW-44A	25,600	0.2 U	0.005 U	25 U	0.0002 J	2.55 J
PW-44S	26,400	0.2 U	0.005 U	10.9 J	0.0004 J	2.85 J
PW-64A	29,600	0.2 U	0.005 U	25 U	0.0005 U	3.42 U
PW-64S	25,300	0.2 U	0.005 U	25 U	0.0005 U	4.01 U
PW-65A	32,000	0.2 U	0.005 U	25 U	0.0001 J	3.01 U
PW-65S	44,700	0.2 U	0.005 U	26.2	0.0003 J	3.18 U
PW-66A	27,200	0.2 U	0.005 U	25 U	0.0004 J	2.72 J
PW-66S	23,700	0.2 U	0.005 U	19.3 J	0.0007	2.85 J
PW-67A	40,600	0.2 U	0.005 U	25 U	0.0002 J	3.86 U
PW-67S	31,500	0.2 U	0.005 U	23.6 J	0.0007	2.97 U
PW-104S	69,800	0.4 U	0.005 U	25.9	0.0006	8.84 J
PW-105S	38,900	0.2 U	0.005 U	25 U	0.0005	4.09 J
PW-106S	37,500	0.1 J	0.005 U	25 U	0.0005	33.6
PW-107S	33,000	0.028 J	0.005 U	25 U	0.0003 J	6.71 U
PW-108A	29,100	0.2 U	0.005 U	25 U	0.0005 U	10 U
WD-1	39,600	0.2 U	0.005 U	25 U	0.0001 J	4.56 U
WD-2	31,600	0.2 U	0.005 U	25 U	0.0001 J	2.59 J
WS	93,500	0.2 U	0.005 U	27.3	0.0002 J	3.57 J

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

µg/L = microgram per liter.

J = estimated value below the reporting limit.

mg/L = milligram per liter.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table B-2. Farm Ponds Area Dissolved Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Selenium	Silver	Sodium	Thorium
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
Cleanup Level [1]	--	6	10	2,000	1	5	--	100	1,000	--	--	--	50	--	50	--	--	--
HW	10 U	0.21 U	0.4 J	19.4	0.5 U	0.5 U	23,800	0.25 J	2 U	292	0.5 U	9,690	80	1.23	0.23 J	0.5 U	20,500	0.005 U
ND	3.94 J	0.21 U	2.44	11.1	0.5 U	0.5 U	18,000	0.56 J	8	396	0.5 U	9,800	115	0.43 J	0.14 J	0.5 U	23,200	0.005 U
ND-1	10 U	0.14 U	0.77	23.1	0.5 U	0.5 U	20,300	0.28 J	2 U	137	0.5 U	11,000	28.7	0.4 J	0.36 J	0.5 U	25,100	0.005 U
ND-2	10 U	0.14 U	0.76	21.1	0.5 U	0.5 U	23,100	0.2 J	2 U	100 U	0.5 U	12,300	0.069 J	0.41 J	0.5	0.5 U	24,400	0.005 U
NS	5.45 J	0.21 U	0.26 J	45.2	0.5 U	0.5 U	70,300	0.88 J	2 U	15.8 J	0.5 U	25,800	0.63	6.49	0.38 J	0.5 U	33,900	0.005 U
PW-35A	10 U	0.14 UJ	0.12 J	24	0.5 U	0.5 U	20,400	0.98 J	2 U	100 U	0.5 U	11,300	1.01	0.18 J	0.097 J	0.12 J	25,500	0.005 U
PW-36A	10 U	0.15 U	0.22 J	70.1	0.5 U	0.5 U	22,500	0.38 J	2 U	100 U	0.5 U	8,820	18.1	1.6	0.21 J	0.5 U	15,800	0.005 U
PW-37A	3.97 J	0.15 U	24.5	11	0.5 U	0.5 U	37,800	0.88 J	2 U	114	0.5 U	17,000	573	1.12	0.22 J	0.5 U	29,500	0.005 U
PW-38A	10 U	0.21 U	1.19	5.98	0.5 U	0.5 U	17,500	0.29 J	2 U	100 U	0.5 U	8,590	138	0.7	0.16 J	0.5 U	20,900	0.005 U
PW-39A	10 U	0.21 U	0.2 J	11.7	0.5 U	0.5 U	22,500	0.67 J	2 U	121	0.5 U	9,860	74.6	0.86	0.16 J	0.5 U	15,600	0.005 U
PW-40A	10 U	0.5 U	4.38	22.5	0.5 U	0.5 U	99,600	0.52 J	2 U	714	0.5 U	36,500	1,440	3.96	0.8	0.5 U	42,800	0.005 U
PW-40S	10 U	0.21 U	1.43	65.2	0.5 U	0.078 J	291,000	1.93	1.86 J	58.2 J	0.5 U	93,400	1,440	28.4	2.24	0.5 U	86,400	0.005 U
PW-43A	10 U	0.039 J	1.35	1.44 J	0.5 U	0.5 U	35,800	0.75 J	2 U	100 U	0.5 U	16,100	105	0.87	0.26 J	0.5 U	21,000	0.005 U
PW-43S	10 U	0.21 U	2	108	0.5 U	0.5 U	197,000	5.1	2 U	100 U	0.5 U	78,900	0.31 J	3.93	1.28	0.5 U	25,800	0.005 U
PW-44A	10 U	0.041 J	5.38	5.61	0.5 U	0.5 U	40,900	0.7 J	2 U	12.4 J	0.5 U	19,500	133	0.92	0.29 J	0.059 J	23,500	0.005 U
PW-44S	10 U	0.098 J	4.86	64.1	0.5 U	0.5 U	99,100	2.59	2 U	11.7 J	0.5 U	34,100	0.32 J	7.07	0.84	0.5 U	23,700	0.005 U
PW-64A	10 U	0.15 U	3.64	35.4	0.5 U	0.5 U	23,000	0.43 J	2 U	3,700	0.5 U	12,000	360	0.49 J	0.25 J	0.052 J	28,200	0.005 U
PW-64S	10 U	0.14 U	6.39	21.8	0.5 U	0.5 U	39,400	0.5 J	2 U	27.5 J	0.5 U	16,600	298	0.74	0.22 J	0.5 U	24,100	0.005 U
PW-65A	10 U	0.21 U	2.99	10.5	0.5 U	0.5 U	33,400	0.29 J	2 U	29.6 J	0.5 U	16,700	681	0.6	0.17 J	0.5 U	30,800	0.005 U
PW-65S	10 U	0.14 U	2.51	128	0.5 U	0.5 U	187,000	1.9	2 U	179	0.5 U	64,600	177	3.01	0.9	0.5 U	41,800	0.005 U
PW-66A	10 U	0.21 U	2.6	8.99	0.5 U	0.5 U	29,700	0.19 J	2 U	295	0.5 U	14,400	1,080	0.55	0.18 J	0.5 U	26,000	0.005 U
PW-66S	10 U	0,21 U	3.4	84.9	0.5 U	0.5 U	160,000	0.51 J	2 U	100 U	0.5 U	56,200	34.1	2.81	0.83	0.5 U	24,200	0.005 U
PW-67A	10 U	0.14 U	1.4	39.1	0.5 U	0.5 U	68,500	0.34 J	2 U	100 U	0.5 U	34,700	2,090	1.08	0.35 J	0.5 U	39,400	0.005 U
PW-67S	10 U	0.14 U	1.79	141	0.5 U	0.5 U	159,000	0.69 J	2 U	100 U	0.5 U	64,800	152	4.59	0.62	0.5 U	29,700	0.005 U
PW-104S	20 U	1 U	1.62	157	1 U	1 U	260,000	0.35 J	4 U	6,320	1 U	143,000	5,470	10.6	1.76	1 U	67,300	0.005 U
PW-105S	10 U	0.17 U	0.31 J	176	0.5 U	0.5 U	34,000	0.83 J	2 U	100 U	0.5 U	17,700	613	3.12	0.42 J	0.5 U	36,700	0.005 U
PW-106S	3.79 J	0.32 J	3.16	98.1	0.5 U	0.5 U	25,500	0.34 J	2 U	100 U	0.5 U	13,600	1,640	2.77	0.36 J	0.5 U	36,200	0.005 U
PW-107S	10 U	0.21 J	0.16 J	86.3	0.5 U	0.5 U	26,800	0.57 J	2 U	100 U	0.5 U	14,500	512	2.08	1.39	0.5 U	32,000	0.005 U
PW-108A	3.74 J	0.21 U	0.29 J	21.7	0.5 U	0.5 U	23,100	0.73 J	2 U	2,970	0.5 U	11,200	180	0.36 J	0.23 J	0.5 U	26,500	0.005 U
WD-1	10 U	0.15 U	3.55	12.1	0.5 U	0.5 U	61,600	0.46 J	4 U	19.5 J	0.5 U	27,500	819	1.94	0.27 J	0.5 U	39,600	0.005 U
WD-2	10 U	0.21 U	2.66	7.57	0.5 U	0.5 U	33,700	0.64 J	2 U	27.8 J	0.5 U	16,800	566	0.66	0.24 J	0.5 U	29,200	0.005 U
WS	10 U	0.21 U	0.97	59.2	0.5 U	0.5 U	251,000	0.67 J	3.78	47.6 J	0.5 U	86,800	42.6	11.4	1.48	0.034 J	100,000	0.005 U

Table B-2. Farm Ponds Area Dissolved Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Tin	Uranium	Zinc
Unit	µg/L	mg/L	µg/L
Cleanup Level [1]	--	0.03	--
HW	25 U	0.0005 U	12
ND	25 U	0.0005 U	13.1
ND-1	25 U	0.0005 U	2.77 U
ND-2	25 U	0.0005 U	2.79 U
NS	25 U	0.0009	2.86 J
PW-35A	25 U	0.0005 U	3.57 UJ
PW-36A	25 U	0.0005 U	10 U
PW-37A	25 U	0.0005 U	10 U
PW-38A	25 U	0.0005 U	10 U
PW-39A	25 U	0.0005 U	10 U
PW-40A	10.1 J	0.0005 U	2.5 J
PW-40S	34.4	0.004	3.89 J
PW-43A	25 U	0.0005 U	10 U
PW-43S	25.7	0.0002 J	2.98 J
PW-44A	25 U	0.0002 J	2.83 J
PW-44S	10.5 J	0.0004 J	2.63 J
PW-64A	25 U	0.0005 U	3.02 U
PW-64S	25 U	0.0005 U	2.81 U
PW-65A	25 U	0.0001 J	2.81 U
PW-65S	24.2 J	0.0003 J	3.07 U
PW-66A	25 U	0.0004 J	2.65 J
PW-66S	19.4 J	0.0007	3.39 J
PW-67A	25 U	0.0001 J	2.83 U
PW-67S	22.4 J	0.0006	2.98 U
PW-104S	23.4 J	0.0006	8.95 J
PW-105S	25 U	0.0003 J	3.66 J
PW-106S	25 U	0.0004 J	4.03 J
PW-107S	25 U	0.0002 J	5.57 J
PW-108A	25 U	0.0005 U	10 U
WD-1	25 U	0.0002 J	3.01 U
WD-2	25 U	0.0001 J	10 U
WS	35.1	0.0003 J	3.5 J

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

µg/L = microgram per liter.

J = estimated value below the reporting limit.

mg/L = milligram per liter.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table B-3. Farm Ponds Area General Chemistry Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Alkalinity	Ammonia	Chloride	Fluoride	Nitrate	Sulfate	Total Dissolved Solids	Total Organic Solids	Total Suspended Solids	Hardness
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Cleanup Level [1]	--	250	--	4	10	--	--	--	--	--
HW	113	0.05 U	11.6	0.22 J	1.33	10	212	0.56	2.2 J	105
ND	129	0.07	6.98	0.23 J	0.1 U	0.66	143	0.31 J	0.8 J	90.1
ND-1	114	0.05 U	16.9	0.21 J	2.05 J	9.44	184	0.5 U	1 J	92.8
ND-2	102	0.05 U	19	0.16 J	4.14 J	16	216	0.21 J	0.8 J	112
NS	98.6	0.05 U	104	0.76 J	1.05	85.3	437	1.95	5 U	294
PW-35A	144	0.046 J	5.38	0.092 J	0.076 J	6.52 J	213	0.5 U	3.4 J	100
PW-36A	81.4	0.05 U	8.8	0.13 J	4.31	18.2	200	0.74	1.2 J	97.9
PW-37A	251	0.29	8.74	0.42 J	0.089 J	2.29	266	1.26	2.4 J	169
PW-38A	107	0.053	9.99	0.21 J	0.1 U	7.86	179	0.2 U	5 U	83.5
PW-39A	121	0.05 U	9.75	0.11 J	0.13	1.16	127	0.21 J	1.2 U	102
PW-40A	195	0.37	183	0.26 U	0.1 U	70.4	645	0.86	6.8	434
PW-40S	363	0.085 U	426	0.3 U	0.24 U	325	1,650	3.86	1.4 J	1,110
PW-43A	192	0.058 U	5.08	0.55 J	0.18 U	0.79	179	0.39 J	6.4	164
PW-43S	86.6	0.05 U	516	0.2 U	4.29	49.5	1,380	0.22 J	5 U	838
PW-44A	195	0.12	27.3	0.46 J	0.22 U	0.35	254	0.41 J	2.6 J	188
PW-44S	185	0.05 U	172	0.21 U	0.41 U	13.2	631	0.27 J	5 U	400
PW-64A	159	0.3 J	10.4	0.26 J	0.1 U	0.41	197	0.33 J	6.2	107
PW-64S	186	0.057 J	5.8	0.21 J	0.088 J	0.43	257	0.39 J	5 U	180
PW-65A	166	0.32	42.2	0.29 J	0.1 U	0.66	194	0.27 J	5 U	160
PW-65S	158	0.05 U	421	0.18 J	0.29 J	57.1	1,280	0.4 J	1.8 J	753
PW-66A	169	0.35	16.2	0.35 U	0.1 U	0.47	228	0.35 J	1.2 J	142
PW-66S	188	0.05 U	288	0.18 U	0.21 U	79.5	958	0.79	1.4 J	637
PW-67A	127	0.42	180	0.26 J	0.1 U	18.4	645	0.29 J	11.4	323
PW-67S	130	0.05 U	386	0.15 J	0.51 J	95	1,290	0.5 U	5 U	701
PW-104S	148	0.23	597	0.14 U	0.1 U	266	2,640	1.99	8.4	1,250
PW-105S	114	0.032 J	55.2	0.15 J	0.32	40.8	305	0.67	1 J	164
PW-106S	168	0.12	6.64	0.22 U	0.2 U	26.5	246	1.86	488	134
PW-107S	126	0.05 U	8.09	0.11 J	0.93	62.8	232	0.44 J	4.2 J	131
PW-108A	155	0.18	9.32	0.22 J	0.1 U	1.67	204	0.32 J	1 U	109
WD-1	140	0.21 J	129	0.27 J	0.1 U	29.8	457	0.39 J	5 U	261
WD-2	136	0.14	56.8	0.25 J	0.1	3.13	233	0.37 J	2 J	161
WS	107	0.05 U	904	0.42 J	3.08	241	2,660	2.88	5 U	833

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

J = estimated value below the reporting limit.

mg/L = milligram per liter.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table B-4. Farm Ponds Area Volatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Chloromethane	Bromomethane	Vinyl Chloride	Chloroethane	Methylene Chloride	Acetone	Carbon Disulfide	1,1-Dichloroethylene	1,1-Dichloroethane	cis-1,2-Dichloroethylene	Chloroform	1,2-Dichloroethane	2-Butanone	1,1,1-Trichloroethane	Carbon Tetrachloride	Bromodichloromethane	1,2-Dichloropropane	cis-1,3-Dichloropropene
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	2	--	--	--	--	7	810	70	70	5	--	200	5	--	5	--
HW	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ND	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ND-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ND-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-35A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-36A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-37A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-38A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-39A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-40A	0.5 U	0.5 U	0.32 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.85	0.75	0.5 U	0.16 J	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-40S	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.45	8.03	0.5 U	0.36 J	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-43A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-43S	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-44A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-44S	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-64A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-64S	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-65A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-65S	0.5 U	0.5 U	0.5 U	0.18 J	0.5 U	0.5 U	0.5 U	0.5 U	3.27	0.5 U	0.5 U	0.62	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-66A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-66S	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-67A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-67S	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-104S	0.5 U	0.5 U	0.55	0.5 U	0.5 U	0.5 U	0.5 U	1.52	16.2	41.6	0.5 U	6.09	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-105S	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.86	0.5 U	0.5 U	0.28 J	0.35 J	0.5 U	0.23 J	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-106S	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.48	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-107S	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-108A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
WD-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.97	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
WD-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
WS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.61	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table B-4. Farm Ponds Area Volatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Trichloroethylene	Dibromochloromethane	1,1,2-Trichloroethane	Benzene	trans-1,3-Dichloropropene	Bromoform	4-Methyl-2-pentanone	2-Hexanone	Tetrachloroethylene	Toluene	1,1,2,2-Tetrachloroethane	Chlorobenzene	Ethyl Benzene	Styrene	Xylenes (Total)	Acrolein	Acrylonitrile	2-Chloroethylvinylether
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	5	60	3	5	--	--	--	--	5	1,000	0.175	100	--	100	10,000	--	--	--
HW	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
ND	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
ND-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
ND-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.71	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-35A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-36A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-37A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-38A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-39A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-40A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-40S	0.44 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.18 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-43A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-43S	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-44A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-44S	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-64A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-64S	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-65A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-65S	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-66A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-66S	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-67A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-67S	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-104S	19	0.5 U	12.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	7.3	0.5 U	0.37 J	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-105S	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-106S	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-107S	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-108A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
WD-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
WD-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
WS	0.36 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

µg/L = microgram per liter.

J = estimated value below the reporting limit.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table B-5. Farm Ponds Area Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Phenol	bis(2-Chloroethyl)ether	2-Chlorophenol	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichlorobenzene	2-Methylphenol	2,2'-oxybis(1-Chloropropane)	4-Methylphenol	N-Nitroso-di-n-dipropylamine	Hexachloroethane	Nitrobenzene	Isophorone	2-Nitrophenol	2,4-Dimethylphenol	bis(2-Chloroethoxy)methane	2,4-Dichlorophenol	1,2,4-Trichlorobenzene
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	70
HW	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 UJ	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U
ND	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 UJ	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U
ND-1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
ND-2	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U
NS	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 UJ	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U
PW-35A	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U
PW-36A	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U
PW-37A	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U
PW-38A	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 UJ	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U
PW-39A	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 UJ	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U
PW-40A	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 UJ	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U
PW-40S	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 UJ	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U
PW-43A	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 UJ	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U
PW-43S	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 UJ	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U
PW-44A	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 U
PW-44S	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 UJ	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
PW-64A	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U
PW-64S	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U
PW-65A	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U
PW-65S	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U
PW-66A	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 UJ	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U
PW-66S	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 UJ	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U
PW-67A	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U
PW-67S	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U
PW-104S	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U
PW-105S	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U
PW-106S	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U
PW-107S	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U
PW-108A	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 UJ	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U
WD-1	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 UJ	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U
WD-2	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
WS	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 UJ	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U

Table B-5. Farm Ponds Area Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Naphthalene	4-Chloroaniline	Hexachlorobutadiene	4-Chloro-3-methylphenol	2-Methylnaphthalene	Hexachlorocyclopentadiene	2,4,6-Trichlorophenol	2,4,5-Trichlorophenol	2-Chloronaphthalene	2-Nitroaniline	Dimethylphthalate	Acenaphthylene	2,6-Dinitrotoluene	3-Nitroaniline	Acenaphthene	1,2-Diphenylhydrazine	2,4-Dinitrophenol	4-Nitrophenol
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	50	--	50	--	--	--	--	--	--	--	--	--	--
HW	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U
ND	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U
ND-1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
ND-2	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U
NS	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U
PW-35A	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U
PW-36A	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U
PW-37A	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U
PW-38A	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U
PW-39A	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U
PW-40A	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U
PW-40S	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U
PW-43A	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U
PW-43S	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U
PW-44A	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
PW-44S	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
PW-64A	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U
PW-64S	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U
PW-65A	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U
PW-65S	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U
PW-66A	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U
PW-66S	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U
PW-67A	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U
PW-67S	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U
PW-104S	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U
PW-105S	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U
PW-106S	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U
PW-107S	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U
PW-108A	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U
WD-1	5.04 U	5.04 U	5.04 UJ	5.04 U	5.04 U	5.04 UJ	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U
WD-2	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
WS	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U

Table B-5. Farm Ponds Area Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Dibenzofuran	2,4-Dinitrotoluene	Diethylphthalate	4-Chlorophenyl-phenyl ether	Fluorene	4-Nitroaniline	4,6-Dinito-2-methylphenol	N-Nitrosodiphenylamine	4-Bromophenyl-phenylether	Hexachlorobenzene	Pentachlorophenol	Phenanthrene	Anthracene	Carbazole	Di-n-butylphthalate	Fluoranthene	Pyrene	Butylbenzylphthalate
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	--	--	--
HW	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U
ND	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U
ND-1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
ND-2	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U
NS	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U
PW-35A	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U
PW-36A	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U
PW-37A	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U
PW-38A	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U
PW-39A	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U
PW-40A	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U
PW-40S	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U
PW-43A	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U
PW-43S	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U
PW-44A	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
PW-44S	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
PW-64A	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U
PW-64S	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U
PW-65A	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U
PW-65S	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U
PW-66A	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U
PW-66S	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U
PW-67A	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U
PW-67S	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U
PW-104S	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U
PW-105S	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U
PW-106S	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U
PW-107S	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U
PW-108A	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U
WD-1	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U
WD-2	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
WS	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U

Table B-5. Farm Ponds Area Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	3,3'-Dichlorobenzidine	Benzo(a)anthracene	Chrysene	bis(2-Ethylhexyl)phthalate	Di-n-octylphthalate	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenzo(a,h)anthracene	Benzo(g,h,i)perylene	Benzidine	Benzyl Alcohol
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	--	--	0.2	--	--	--	--	--
HW	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	2.03 U	25.3 U	2.03 U
ND	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	1.96 U	24.5 U	1.96 U
ND-1	5 U	5 U	5 U	3.03 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U	5 U
ND-2	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	24.5 U	4.91 U
NS	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	25.2 U	2.02 U
PW-35A	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	23.5 U	4.69 U
PW-36A	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	24 U	4.79 U
PW-37A	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	4.84 U	24.2 U	4.84 U
PW-38A	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	24.9 U	1.99 U
PW-39A	1.93 U	1.93 U	1.93 U	3.62 J	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	24.1 U	1.93 U
PW-40A	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	25.2 U	2.02 U
PW-40S	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	1.99 U	24.9 U	1.99 U
PW-43A	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	24.7 U	1.98 U
PW-43S	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	2.18 U	27.2 U	2.18 U
PW-44A	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	25 U	2 U
PW-44S	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	25.9 U	2.07 U
PW-64A	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	26.7 U	5.34 U
PW-64S	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	25.4 U	5.08 U
PW-65A	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	24.8 U	4.97 U
PW-65S	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	5.38 U	26.9 U	5.38 U
PW-66A	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	24.4 U	1.95 U
PW-66S	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	28.8 U	2.31 U
PW-67A	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	5.14 U	25.7 U	5.14 U
PW-67S	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	5.39 U	27 U	5.39 U
PW-104S	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	25.2 U	5.04 U
PW-105S	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	25.2 U	5.04 U
PW-106S	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	5.24 U	26.2 U	5.24 U
PW-107S	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	24.1 U	4.81 U
PW-108A	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	25.2 U	2.01 U
WD-1	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	5.04 U	25.2 U	5.04 U
WD-2	2.2 U	2.2 U	2.2 U	3.72 J	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	27.5 U	2.2 U
WS	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	2.01 U	25.2 U	2.01 U

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

µg/L = microgram per liter.

J = estimated value below the reporting limit.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table B-6. Farm Ponds Area Radium-226/228 Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Radium-226	Radium-228
Unit	pCi/L	pCi/L
Cleanup Level [1]	5	
HW	0.12	-0.1
ND	0.13	-0.04
ND-1	0.12	-0.21
ND-2	0.02	0.79
NS	0.01	-0.43
PW-35A	0.06	0.23
PW-36A	0.08	0.31
PW-37A	0.05	0.45
PW-38A	0.03 J	0.07 J
PW-39A	0.1	0.46
PW-40A	0.07	1.9
PW-40S	0.17	2.1
PW-43A	0.07	0.03
PW-43S	0.14	0.26
PW-44A	0.22	0.06
PW-44S	0.07 J	0.28 J
PW-64A	0.16	0.77
PW-64S	0.11	1.2
PW-65A	0.08	-0.37
PW-65S	0.13	0.48
PW-66A	0.09	0.57
PW-66S	0.09	1.8
PW-67A	0.2	-0.06
PW-67S	0.2	0.11
PW-104S	0.13	2
PW-105S	0.22	0.74
PW-106S	0.25	0.75
PW-107S	[2]	[2]
PW-108A	0.09	0.68
WD-1	0.02	0
WD-2	0.14	0.43
WS	0.32	0.42

Notes:

1 Cleanup level is a combined concentration of radium-226 and radium-228.

2 Insufficient volume for sample collection.

J = estimated value below the reporting limit.

pCi/L = picocurie per liter.

= detected value exceeds cleanup level.

Table B-7. Farm Ponds Area Polychlorinated Biphenyls Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Totals PCBs
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	--	--	0.5
HW	--	--	--	--	--	--	--	--
ND	--	--	--	--	--	--	--	--
ND-1	--	--	--	--	--	--	--	--
ND-2	--	--	--	--	--	--	--	--
NS	--	--	--	--	--	--	--	--
PW-35A	--	--	--	--	--	--	--	--
PW-36A	--	--	--	--	--	--	--	--
PW-37A	--	--	--	--	--	--	--	--
PW-38A	--	--	--	--	--	--	--	--
PW-39A	--	--	--	--	--	--	--	--
PW-40A	--	--	--	--	--	--	--	--
PW-40S	--	--	--	--	--	--	--	--
PW-43A	--	--	--	--	--	--	--	--
PW-43S	--	--	--	--	--	--	--	--
PW-44A	--	--	--	--	--	--	--	--
PW-44S	--	--	--	--	--	--	--	--
PW-64A	--	--	--	--	--	--	--	--
PW-64S	--	--	--	--	--	--	--	--
PW-65A	--	--	--	--	--	--	--	--
PW-65S	--	--	--	--	--	--	--	--
PW-66A	--	--	--	--	--	--	--	--
PW-66S	--	--	--	--	--	--	--	--
PW-67A	--	--	--	--	--	--	--	--
PW-67S	--	--	--	--	--	--	--	--
PW-104S	1.08 U	1.08 U	1.08 U	1.08 U	1.08 U	1.08 U	1.08 U	1.08 U
PW-105S	--	--	--	--	--	--	--	--
PW-106S	--	--	--	--	--	--	--	--
PW-107S	--	--	--	--	--	--	--	--
PW-108A	--	--	--	--	--	--	--	--
WD-1	--	--	--	--	--	--	--	--
WD-2	--	--	--	--	--	--	--	--
WS	--	--	--	--	--	--	--	--

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

µg/L = microgram per liter.

PCBs = polychlorinated biphenyls

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Appendix C. Extraction Area Analytical Results

Table C-1. Extraction Area Total Metals Data
Table C-2. Extraction Area Dissolved Metals Data
Table C-3. Extraction Area General Chemistry Data
Table C-4. Extraction Area Volatile Organic Compounds Data
Table C-5. Extraction Area Semivolatile Organic Compounds Data
Table C-6. Extraction Area Radium-226/228 Data

Table C-1. Extraction Area Total Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Copper	Cyanide	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Selenium	Silver
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	6	10	2,000	1	5	--	100	1,000	200	--	--	--	50	2	--	50	--
EW-1	49,100	50 U	50 U	665	16.1 J	50 U	712,000	100 U	65.2 J	5 UJ	6,570	50 U	232,000	52,800	0.1 U	707	50 U	50 U
EW-2	161,000	50 U	4.54 J	752	10.7 J	911	479,000	78.6 J	122 J	5 UJ	11,800	15.8 J	138,000	31,800	0.1 U	735	50 U	130
EW-3	12,600	50 U	50 U	78.9 J	50 U	50 U	321,000	100 U	200 U	5 U	16,000	50 U	97,000	19,900	0.1 U	134	50 U	50 U
EW-4	194	0.14 J	2.32	5.34	0.034 J	0.1 J	14,800	0.5 J	2 U	5 U	165	0.066 U	5,920	175	0.1 U	1.14	1.99	0.5 U
EW-5	3,050	0.094 J	0.54	19.4	1	0.33 J	52,400	0.24 J	2.15	5 U	10 J	0.5 U	19,000	2,430	0.1 U	8.43	1.48	0.5 U
EW-6	57.4	0.5 U	15.3	42.9	0.5 U	0.069 J	99,500	0.15 J	2 U	5 U	8,030	0.068 U	48,700	9,700	0.1 U	2.73	1.15	0.5 U
PW-06	10 U	0.033 U	0.22 J	1.09 J	0.5 U	0.5 U	17,000	1 U	2 U	5 U	8,370	0.5 U	8,850	95.6	0.1 U	0.41 U	0.18 J	0.5 U
PW-21A	123	0.14 U	0.2 J	25.4	0.035 J	0.5 U	19,300	0.12 J	0.75 J	5 U	100 U	0.047 J	6,760	57.5	0.1 U	1.5	0.49 J	0.5 U
PW-22A	10	0.5 U	4.83	36.1	0.038 J	0.5 U	46,900	1 U	4 U	12.3	6,820	0.5 U	12,000	1,790	0.1 U	1.11	0.48 J	0.5 U
PW-23A	36.6	0.14 U	8.54	28.3	0.12 J	0.5 U	21,100	0.12 J	2 U	5 U	1,030	0.5 U	10,100	2,140	0.1 U	0.54	0.39 J	0.5 U
PW-24A	19	0.14 U	0.67	23.6	0.5 U	0.5 U	131,000	1 U	2 U	3.7 J	47.3 J	0.054 J	26,400	4,870	0.1 U	3.97	1.31	0.5 U
PW-25A	299	0.19 U	0.71	12.1	0.5 U	0.099 J	51,100	0.46 J	0.8 J	5 U	452	0.55	34,200	67.6	0.1 U	1.51	1.26	0.5 U
PW-26A	287	0.1 J	0.94	10	0.19 J	0.5 U	32,000	0.48 J	4 U	7.73	48.3 J	0.066 U	12,700	28.1	0.16	1.8	2.13	0.5 U
PW-27A	39.6	0.39 U	0.46 J	72.6	0.028 J	0.13 J	285,000	0.14 U	200 U	5 UJ	100 U	48.5	133,000	1,170	0.1 U	7.42	1.87	0.085 J
PW-28A	52,000	50 U	50 U	811	3.75 J	50 U	770,000	10.9 J	200 U	24.2	561,000	13.7 J	103,000	16,600	0.1 U	483	50 U	50 U
PW-29A	436	0.46 U	2.3	3.82	0.5 U	0.03 J	10,300	0.83 J	2.75	5 U	565	1.39	3,860	7.55	0.1 U	0.8	0.1 J	0.035 J
PW-47A	49	0.058 J	12.1	36.6	0.13 J	0.045 J	76,300	0.27 J	1.6 J	1.74 J	8,150	0.48 J	30,300	5,370	0.1 U	4.54	1.13	0.5 U
PW-48A	509	0.48 J	11.8	5.68	0.5 U	0.2 J	9,870	2.37	15.2	1.63 J	556	1.09	2,320	15.2	0.054 J	4.43	0.75	0.11 J
PW-49A	742	0.21 J	1.25	4.37	0.5 U	0.5 U	7,240	1.04	1.16 J	5 U	912	0.59	3,140	11.3	0.1 U	1.34	1.08	0.5 U
PW-50A	15,300	50 U	50 U	213	3.08 J	50 U	165,000	100 U	200 U	4.97 J	27,600	50 U	66,300	8,800	0.1 U	205	50 U	50 U
PW-51A	289	0.1 U	0.38 J	95.2	0.052 J	0.73	345,000	0.24 U	200 U	5 UJ	361	0.13 J	52,400	8,220	0.1 U	108	1.24	0.066 J
PW-52A	82,000	50 U	50 U	251	20 J	50 U	503,000	100 U	395	5 UJ	43,000	12.3 J	153,000	17,100	0.1 U	886	50 U	3.62 J
PW-57A	12.3 U	0.037 J	7.48	18.2	0.04 J	0.5 U	51,900	1 U	2.12	4.39 J	2,800	0.5 U	21,500	5,550	0.1 U	1.81	1.85	0.5 U
PW-96A	19 U	0.047 J	17.4	22.8	0.053 J	0.5 U	67,000	1 U	4 U	2.66 J	9,010	0.5 U	28,800	6,410	0.1 U	2.81	1.47	0.5 U
PW-97A	7.96 U	0.5 U	11.1	32.4	0.5 U	0.5 U	113,000	1 U	4 U	5 U	4,870	0.5 U	60,300	10,000	0.1 U	2.9	1.25	0.5 U

Table C-1. Extraction Area Total Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Sodium	Thallium	Thorium	Tin	Uranium	Zinc
Unit	µg/L	µg/L	mg/L	µg/L	mg/L	µg/L
Cleanup Level [1]	--	2	--	--	0.03	--
EW-1	194,000	20 U	0.005 U	51.5	0.0127	886 J
EW-2	191,000	20 U	0.036	106	0.0435	984 J
EW-3	273,000	20 U	0.005 U	33	0.0032	1,000 U
EW-4	49,100	0.2 U	0.005 U	25 U	0.0005 U	4.31 U
EW-5	65,100	0.2 U	0.005 U	25 U	0.0005 U	5.06 U
EW-6	59,700	0.2 U	0.005 U	10.6 J	0.0005 U	44.7
PW-06	10,800	0.2 U	0.005 U	25 U	0.0005 U	4.36 U
PW-21A	23,400	0.2 U	0.005 U	25 U	0.0009	10 U
PW-22A	49,500	0.2 U	0.005 U	25 U	0.0005 U	10 U
PW-23A	28,400	0.2 U	0.005 U	25 U	0.0005 U	10 U
PW-24A	42,500	0.2 U	0.005 U	25 U	0.0004 J	10 U
PW-25A	19,800	0.2 U	0.005 U	11 J	0.0005 U	10 U
PW-26A	54,000	0.2 U	0.005 U	25 U	0.0005 U	3.81 U
PW-27A	67,200	0.2 U	0.005 U	32.7	0.0005 U	9.34 J
PW-28A	382,000	20 U	0.005 U	60	0.0313	471 J
PW-29A	6,530	0.2 U	0.005 U	25 U	0.0005 U	5.8 U
PW-47A	102,000	0.2 U	0.005 U	25 U	0.0003 J	5.08 U
PW-48A	89,700	0.2 U	0.005 U	25 U	0.0004 J	7.86 U
PW-49A	13,600	0.2 U	0.005 U	25 U	0.0005 U	5.77 U
PW-50A	83,500	20 U	0.005 U	16.1 J	0.0129	255 J
PW-51A	138,000	0.21	0.005 U	22.6 J	0.0023	28.6
PW-52A	111,000	20 U	0.005 U	45.5	0.0005 U	1,040
PW-57A	70,300	0.2 U	0.005 U	25 U	0.0005 U	3.46 U
PW-96A	59,100	0.2 U	0.005 U	25 U	0.0001 J	3.51 U
PW-97A	56,200	0.2 U	0.005 U	12.4 J	0.0364	3.55 U

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

µg/L = microgram per liter.

J = estimated value below the reporting limit.

mg/L = milligram per liter.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table C-2. Extraction Area Dissolved Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Selenium	Silver	Sodium	Thorium
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
Cleanup Level [1]	--	6	10	2,000	1	5	--	100	1,000	--	--	--	50	--	50	--	--	--
EW-1	43,400	50 U	50 U	636	13.8 J	50 U	704,000	55.5 J	200 U	23,000	50 U	233,000	49,300	704	50 U	5.32 J	192,000	0.005 U
EW-2	153,000	50 U	50 U	735	9.56 J	11.8 J	428,000	659	117 J	21,500	12.9 J	123,000	32,000	1,070	50 U	5.82 J	186,000	0.005 U
EW-3	7750	50 U	50 U	57.7 J	50 U	50 U	295,000	100 U	200 U	170	50 U	87,500	17,400	138	50 U	50 U	243,000	0.005 U
EW-4	85.4	0.41 U	2.34	3.6	0.032 J	0.5 U	14,400	0.24 J	4 U	78 J	0.5 U	5,690	5.3	0.67	2.11	0.5 U	47,200	0.005 U
EW-5	3,110	0.18 U	0.66	18.1	0.95	0.3 J	50,700	0.14 J	4 U	100 U	0.5 U	18,700	2,310	8	2.13	0.5 U	62,200	0.005 U
EW-6	10 U	0.35 U	14.1	38	0.5 U	0.5 U	99,800	1 U	4 U	7,780	0.5 U	48,200	9,360	2.28	1.85	0.5 U	56,700	0.005 U
PW-06	10 U	0.3 U	0.059 J	1.6 J	0.5 U	0.5 U	16,500	0.35 J	2 U	1,340	0.5 U	8,440	93.4	0.34 J	0.11 J	0.5 U	10,400	0.005 U
PW-21A	179	0.36 U	0.23 J	20.3	0.051 J	0.5 U	13,300	0.18 J	2 U	100 U	0.072 J	4,550	59.8	1.39	0.57	0.5 U	19,900	0.005 U
PW-22A	6.12 J	0.26 U	4.34	36.2	0.041 J	0.5 U	46,800	0.15 J	4 U	6,160	0.5 U	12,300	1,650	1.12	0.81	0.5 U	49,100	0.005 U
PW-23A	34.5	0.35 U	5.51	20.9	0.11 J	0.5 U	21,100	0.14 J	2 U	110	0.5 U	10,100	2,070	0.57	0.33 J	0.5 U	28,200	0.005 U
PW-24A	3.87 J	0.38 U	0.68	24.2	0.5 U	0.5 U	129,000	0.11 J	2 U	100 U	0.5 U	25,500	4,430	4.12	1.46	0.5 U	39,100	0.005 U
PW-25A	9.56 J	0.35 U	0.57	10.8	0.5 U	0.5 U	50,300	0.18 J	2 U	100 U	0.5 U	32,900	0.54	1.19	1.64	0.5 U	19,300	0.005 U
PW-26A	257	0.18 U	0.99	9.43	0.18 J	0.5 U	31,300	0.41 J	4 U	17.5 J	0.5 U	12,400	7.14	1.2	2.47	0.5 U	51,900	0.005 U
PW-27A	41.4	0.28 U	0.69	76.3	0.071 J	0.13 J	275,000	0.29 U	200 U	100 U	0.5 U	124,000	1,130	7.89	3.19	0.078 J	64,900	0.005 U
PW-28A	44,700	50 U	50 U	782	3.46 J	50 U	765,000	100 U	200 U	568,000	10.4 J	106,000	16,600	477	7.47 J	13.8 J	389,000	0.005 U
PW-29A	127	0.61 U	1.38	2.63	0.5 U	0.5 U	10,600	0.67 J	1.72 J	215	0.53	3,900	1.85	0.56	0.088 J	0.5 U	6,220	0.005 U
PW-47A	27.5	0.29 U	10.2	33.3	0.11 J	0.5 U	75,700	0.11 J	0.61 J	6,840	0.14 J	30,000	5,120	3.94	2.03	0.5 U	94,900	0.005 U
PW-48A	69.1	0.46 U	11.5	3.27	0.5 U	0.09 J	9,430	1.86	5.72	57.7 J	0.25 J	2,160	3.49	2.44	0.55	0.046 J	84,800	0.005 U
PW-49A	169	0.4 U	1.1	2.8	0.5 U	0.5 U	6,840	0.55 J	0.7 J	420	0.21 J	2,980	4.57	0.99	1.1	0.5 U	13,200	0.005 U
PW-50A	13,200	50 U	50 U	187 J	50 U	50 U	168,000	100 U	200 U	26,300	50 U	67,400	8,170	178	50 U	4.15 J	80,100	0.005 U
PW-51A	44.8	0.39 U	0.56	103	0.046 J	0.6	323,000	0.91 J	200 U	70.9 J	0.5 U	50,300	7,630	115	1.96	0.5 U	140,000	0.005 U
PW-52A	72,200	50 U	50 U	299	18.8 J	50 U	509,000	100 U	352	38,400	50 U	167,000	15,200	782	50 U	7.47 J	107,000	0.005 U
PW-57A	5.22 J	0.26 U	5.24	17.9	0.036 J	0.5 U	52,200	1 U	1.7 J	1,950	0.5 U	21,500	5,390	1.73	2.29	0.5 U	70,400	0.005 U
PW-96A	5.25 J	0.25 U	17.6	21.4	0.044 J	0.5 U	67,200	1 U	4 U	9,030	0.5 U	28,000	6,100	2.69	1.92	0.5 U	58,200	0.005 U
PW-97A	10 U	0.26 U	11.6	30.8	0.5 U	0.5 U	111,000	1 U	4 U	4,920	0.5 U	57,700	9,640	2.82	1.7	0.5 U	54,500	0.005 U

Table C-2. Extraction Area Dissolved Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Tin	Uranium	Zinc
Unit	µg/L	mg/L	µg/L
Cleanup Level [1]	--	0.03	--
EW-1	48.9	0.0096	769 J
EW-2	36.9	0.0394	1,000
EW-3	27.1	0.0028	363 J
EW-4	25 U	0.0005 U	3.98 U
EW-5	25 U	0.0005 U	5.05 U
EW-6	25 U	0.0005 U	3.59 U
PW-06	25 U	0.0005 U	3.25 U
PW-21A	25 U	0.0014	10 U
PW-22A	25 U	0.0005 U	10 U
PW-23A	25 U	0.0005 U	10 U
PW-24A	25 U	0.0003 J	10 U
PW-25A	11.8 J	0.0005 U	10 U
PW-26A	25 U	0.0005 U	3.63 U
PW-27A	31.3	0.0005 U	7.2 J
PW-28A	61.7	0.0287	409 J
PW-29A	25 U	0.0005 U	4.59 U
PW-47A	25 U	0.0002 J	4.46 U
PW-48A	25 U	0.0004 J	3.96 U
PW-49A	25 U	0.0005 U	4.4 U
PW-50A	17.5 J	0.0116	1,000 U
PW-51A	18.9 J	0.0021	29.3
PW-52A	44.8	0.0005 U	906 J
PW-57A	25 U	0.0005 U	3.83 U
PW-96A	25 U	0.0001 J	3.51 U
PW-97A	11.8 J	0.0353	3.85 U

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

µg/L = microgram per liter.

J = estimated value below the reporting limit.

mg/L = milligram per liter.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table C-3. Extraction Area General Chemistry Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Alkalinity	Ammonia	Chloride	Fluoride	Nitrate	Sulfate	Total Dissolved Solids	Total Organic Solids	Total Suspended Solids	Hardness
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Cleanup Level [1]	--	250	--	4	10	--	--	--	--	--
EW-1	10 U	50	2,380	9.76 J	6.36 J	168	5,400	1.6	12.6	2,730
EW-2	10 U	55.9	2,150	4.54 J	3.72 J	300	4,350	3.96	70.4	1,760
EW-3	10.9	26.7	1,190	3.99 J	2.5 J	545	3,350	3.57	399	1,200
EW-4	75.1	0.05 U	43.6	4.66	3.55	7.29	179	0.91	1 J	61.3
EW-5	38.5	0.05 U	184	12.4	5.63	14.9	544	1.09	5 U	209
EW-6	290	0.066	232	0.39 J	0.1 U	15.7	836	1.74	20.4	449
PW-06	93.7	0.05 U	4.71	0.25 J	0.1 U	0.55	27	0.63	28.3	78.9
PW-21A	60.3	11	3.02	0.46 J	15.8 J	39.7	259	1.47	0.6 J	76
PW-22A	154	116	227	2.59	0.15	206	540	2.21	12.4	167
PW-23A	95.2	33.3	26.7	22.8	0.24	95.2	261	0.94	2.2 J	94.3
PW-24A	86.2	150	346	0.79 J	16.6 J	642	1,200	1.62	0.8 J	436
PW-25A	41.2	0.05 U	158	0.35 J	4.59	15.3	600	0.77	2.6 J	268
PW-26A	52.6	0.05 U	109	5.46	5.78	10.1 J	373	0.88	1 J	132
PW-27A	49.2	18	641	0.43 J	42.2 J	308	2,430	0.91	5 U	1,260
PW-28A	10 R	116	3,370	2.89	0.15 U	8.25	5,880	11.2	1 J	2,350
PW-29A	26.5	0.021 J	14	0.46 J	0.96	3.39	83	1.25	1.2 J	41.6
PW-47A	141	0.28	270	3.95	0.1 U	23.1	793	2.43	35.3	315
PW-48A	190	0.089	13.9	0.98 J	3.3	8.28	269	3.17	20.4	61.3
PW-49A	37.8	0.05 U	7.77	0.41 J	1.47	5.09 J	78	0.86	0.6 J	31
PW-50A	10 U	35.5	661	2.48 J	1.12 J	175	1,580	1.39	1.2 J	685
PW-51A	361	126	565	1.09 J	107 J	231	2,300	1.2	20.4	1,080
PW-52A	10 U	116	2,150	9 J	21 J	263	4,580	1.06	2.4 J	1,890
PW-57A	146	0.055	156	2.8	0.22	18.6 J	518	1.4	1.6 J	218
PW-96A	185	0.1	156	2.99	0.1 U	12.9	559	2.06	15	34.2
PW-97A	359	0.024 J	230	0.29 J	0.13	13.5 J	815	1.53	6	530

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

J = estimated value below the reporting limit.

mg/L = milligram per liter.

R = rejected.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table C-4. Extraction Area Volatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Chloromethane	Bromomethane	Vinyl Chloride	Chloroethane	Methylene Chloride	Acetone	Carbon Disulfide	1,1-Dichloroethylene	1,1-Dichloroethane	cis-1,2-Dichloroethylene	Chloroform	1,2-Dichloroethane	2-Butanone	1,1,1-Trichloroethane	Carbon Tetrachloride	Bromodichloromethane	1,2-Dichloropropane	cis-1,3-Dichloropropene
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	2	--	--	--	--	7	1,280	70	70	5	--	200	5	--	5	--
EW-1	0.5 U	0.5 U	0.5 U	0.5 U	0.51	0.5 U	0.5 U	1.26	3.87	0.5 U	15.8	0.5 U	5 U	0.46 J	0.5 U	0.21 J	0.5 U	0.5 U
EW-2	0.75	0.5 U	0.5 U	0.5 U	0.27 J	4.52	0.5 U	0.31 J	0.59	0.5 U	8.47	0.5 U	5 U	0.21 J	0.5 U	0.5 U	0.5 U	0.5 U
EW-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.39 J	0.5 U	1.19	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
EW-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.35 J	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
EW-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5	0.27 J	0.41 J	0.5 U	5 U	0.34 J	0.5 U	0.5 U	0.5 U	0.5 U
EW-6	0.5 U	0.5 U	0.7	0.97	0.5 U	0.5 U	0.5 U	0.5 U	0.35 J	0.78	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-06	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-21A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-22A	0.5 U	0.5 U	34.5	0.5 U	0.5 U	0.5 U	0.19 J	0.5 U	2.53	3.81	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-23A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-24A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.24 J	0.28 J	0.5 U	0.32 J	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-25A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.34 J	1.22	0.5 U	1.09	0.5 U	5 U	0.18 J	0.5 U	0.5 U	0.5 U	0.5 U
PW-26A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.39 J	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-27A	0.5 U	0.5 U	0.5 U	0.5 U	0.7	0.5 U	0.5 U	1.08	1.54	0.5 U	35.7	0.5 U	5 U	0.22 J	0.5 U	0.5 U	0.5 U	0.5 U
PW-28A	0.5 U	0.5 U	0.5 UJ	0.15 J	0.66	544	0.19 J	0.75	0.35 J	0.5 U	3.1	0.5 U	5 U	0.5 U	0.5 U	0.28 J	0.5 U	0.5 U
PW-29A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-47A	0.5 U	0.5 U	0.27 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.22	1.47	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-48A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-49A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-50A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.32 J	0.28 J	0.5 U	1.6	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-51A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.29 J	0.95	0.5 U	0.67	0.5 U	5 U	0.62	0.5 U	0.5 U	0.5 U	0.5 U
PW-52A	0.5 U	0.5 U	0.5 U	0.5 U	0.51	0.5 U	0.5 U	1.25	4.85	0.5 U	15.1	0.5 U	5 U	1.15	0.5 U	0.2 J	0.5 U	0.5 U
PW-57A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.58	0.51	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-96A	0.5 U	0.5 U	1.98	1.29	0.5 U	0.5 U	0.5 U	0.5 U	5.31	3.38	0.5 U	0.5 U	5 U	0.9	0.5 U	0.5 U	0.5 U	0.5 U
PW-97A	0.5 U	0.5 U	0.25 J	0.36 J	0.5 U	0.5 U	0.5 U	0.5 U	0.62	0.29 J	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table C-4. Extraction Area Volatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Trichloroethylene	Dibromochloromethane	1,1,2-Trichloroethane	Benzene	trans-1,3-Dichloropropene	Bromoform	4-Methyl-2-pentanone	2-Hexanone	Tetrachloroethylene	Toluene	1,1,2,2-Tetrachloroethane	Chlorobenzene	Ethyl Benzene	Styrene	Xylenes (Total)	Acrolein	Acrylonitrile	2-Chloroethylvinylether
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	5	60	3	5	--	--	--	--	5	1,000	0.175	100	--	100	10,000	--	--	--
EW-1	0.17 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.64	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
EW-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.24 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
EW-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
EW-4	0.27 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
EW-5	1.13	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.22 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
EW-6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-06	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-21A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-22A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-23A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-24A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.54	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-25A	0.49 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.22 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-26A	0.42 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-27A	0.24 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.94	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-28A	0.15 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.2	0.5 U	0.5 U	0.21 J	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-29A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-47A	0.42 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-48A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-49A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-50A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.18 J	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-51A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.57	0.5 U	0.25 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-52A	0.21 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.73	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-57A	0.58	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-96A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
PW-97A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

µg/L = microgram per liter.

J = estimated value below the reporting limit.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table C-5. Extraction Area Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Phenol	bis(2-Chloroethyl)ether	2-Chlorophenol	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichlorobenzene	2-Methylphenol	2,2'-oxybis(1-Chloropropane)	4-Methylphenol	N-Nitroso-di-n-dipropylamine	Hexachloroethane	Nitrobenzene	Isophorone	2-Nitrophenol	2,4-Dimethylphenol	bis(2-Chloroethoxy)methane	2,4-Dichlorophenol	1,2,4-Trichlorobenzene
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	70
EW-1	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 UJ	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
EW-2	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 UJ	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U
EW-3	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 UJ	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U
EW-4	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
EW-5	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U
EW-6	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-06	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U
PW-21A	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U
PW-22A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-23A	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U
PW-24A	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
PW-25A	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U
PW-26A	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U
PW-27A	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	16.3	4.7 U	4.7 U	4.7 U	4.7 U	4.7 UJ	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
PW-28A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-29A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-47A	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
PW-48A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-49A	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U
PW-50A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 UJ	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-51A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	2.07 J	4.74 U	4.74 U	4.74 U	4.74 U	4.74 UJ	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-52A	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 UJ	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
PW-57A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-96A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-97A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U

Table C-5. Extraction Area Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Naphthalene	4-Chloroaniline	Hexachlorobutadiene	4-Chloro-3-methylphenol	2-Methylnaphthalene	Hexachlorocyclopentadiene	2,4,6-Trichlorophenol	2,4,5-Trichlorophenol	2-Chloronaphthalene	2-Nitroaniline	Dimethylphthalate	Acenaphthylene	2,6-Dinitrotoluene	3-Nitroaniline	Acenaphthene	1,2-Diphenylhydrazine	2,4-Dinitrophenol	4-Nitrophenol
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	50	--	50	--	--	--	--	--	--	--	--	--	--
EW-1	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
EW-2	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U
EW-3	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U
EW-4	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
EW-5	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U
EW-6	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-06	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U
PW-21A	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 UJ	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U
PW-22A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 UJ	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-23A	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 UJ	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U
PW-24A	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 UJ	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
PW-25A	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 UJ	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U
PW-26A	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U
PW-27A	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
PW-28A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-29A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-47A	4.76 U	4.74 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
PW-48A	4.73 U	4.76 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-49A	4.79 U	4.73 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U
PW-50A	4.75 U	4.79 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-51A	4.74 U	4.75 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-52A	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
PW-57A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-96A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-97A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U

Table C-5. Extraction Area Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Dibenzofuran	2,4-Dinitrotoluene	Diethylphthalate	4-Chlorophenyl-phenyl ether	Fluorene	4-Nitroaniline	4,6-Dinito-2-methylphenol	N-Nitrosodiphenylamine	4-Bromophenyl-phenylether	Hexachlorobenzene	Pentachlorophenol	Phenanthrene	Anthracene	Carbazole	Di-n-butylphthalate	Fluoranthene	Pyrene	Butylbenzylphthalate
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	--	--	--
EW-1	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	3.63 J	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
EW-2	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	3.51 J	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U
EW-3	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.08 J	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U
EW-4	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
EW-5	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U
EW-6	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-06	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U
PW-21A	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U
PW-22A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-23A	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U
PW-24A	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
PW-25A	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U
PW-26A	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U
PW-27A	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
PW-28A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-29A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-47A	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
PW-48A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-49A	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U
PW-50A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	30.4	4.75 U	4.75 U	4.75 U	2.65 J	4.75 U	4.75 U	4.75 U
PW-51A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-52A	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
PW-57A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-96A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-97A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U

Table C-5. Extraction Area Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	3,3'-Dichlorobenzidine	Benzo(a)anthracene	Chrysene	bis(2-Ethylhexyl)phthalate	Di-n-octylphthalate	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenzo(a,h)anthracene	Benzo(g,h,i)perylene	Benzidine	Benzyl Alcohol
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	--	--	0.2	--	--	--	--	--
EW-1	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	23.8 U	4.76 U
EW-2	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	23.8 U	4.77 U
EW-3	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	24.5 U	4.91 U
EW-4	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	23.7 U	4.74 U
EW-5	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	23.6 U	4.71 U
EW-6	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	23.7 U	4.73 U
PW-06	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	23.4 U	4.68 U
PW-21A	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	25.6 U	5.12 U
PW-22A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	23.8 U	4.75 U
PW-23A	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	23.8 U	4.77 U
PW-24A	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	23.8 U	4.76 U
PW-25A	4.71 U	4.71 U	4.71 U	2.87 J	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	23.6 U	4.71 U
PW-26A	4.98 U	4.98 U	4.98 U	35.6	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	24.9 U	4.98 U
PW-27A	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	23.5 U	4.7 U
PW-28A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	23.7 U	4.74 U
PW-29A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	23.7 U	4.74 U
PW-47A	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	23.8 U	4.76 U
PW-48A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	23.6 U	4.73 U
PW-49A	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	24 U	4.79 U
PW-50A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	23.8 U	4.75 U
PW-51A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	23.7 U	4.74 U
PW-52A	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	23.5 U	4.7 U
PW-57A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	23.6 U	4.72 U
PW-96A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	23.7 U	4.73 U
PW-97A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	23.6 U	4.72 U

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

µg/L = microgram per liter.

J = estimated value below the reporting limit.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table C-6. Extraction Area Radium-226/228 Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Radium-226	Radium-228
Unit	pCi/L	pCi/L
Cleanup Level [1]	5	
EW-1	0.58	1.8
EW-2	6.3	16
EW-3	0.18	1
EW-4	0.11	-0.24
EW-5	0.18	0.26
EW-6	0.18	0.5
PW-06	0.2	-0.08
PW-21A	0.67	1.4
PW-22A	0.19	0.39
PW-23A	0.02	0.45
PW-24A	0.06	-0.94
PW-25A	0.16	0.28
PW-26A	0.13	0.1
PW-27A	0.08	1.4
PW-28A	8.4	13
PW-29A	0.11	0.5
PW-47A	0.08	3.3
PW-48A	0.09	-0.32
PW-49A	0.34	0.01
PW-50A	1.3	3.3
PW-51A	0.22	0.42
PW-52A	0.38	-0.02
PW-57A	0.08	1.3
PW-96A	0.1	-0.56
PW-97A	0.32	3.1

Notes:

1 Cleanup level is a combined concentration of radium-226 and radium-228.

pCi/L = picocurie per liter.

= detected value exceeds cleanup level.

Appendix D. Fabrication Area Analytical Results

Table D-1. Fabrication Area Total Metals Data
Table D-2. Fabrication Area Dissolved Metals Data
Table D-3. Fabrication Area General Chemistry Data
Table D-4. Fabrication Area Volatile Organic Compounds Data
Table D-5. Fabrication Area Semivolatile Organic Compounds Data
Table D-6. Fabrication Area Radium-226/228 Data
Table D-7. Fabrication Area Polychlorinated Biphenyls Data

Table D-1. Fabrication Area Total Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Copper	Cyanide	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Selenium	Silver
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	6	10	2,000	1	5	--	100	1,000	200	--	--	--	50	2	--	50	--
E-11	159	0.62	2.34	65.3	0.051 J	0.14 J	36,100	0.41 J	2 U	5 UJ	742	0.18 J	6,960	928	0.1 U	17.1	0.28 J	0.033 J
FW-1	10 U	0.5 U	8	6.8	0.5 U	0.5 U	17,900	0.15 J	2 U	5 U	2,570	0.5 U	9,860	727	0.1 U	2.31	0.57	0.5 U
FW-2	53.7	0.077 J	1.07	3.92	0.5 U	0.5 U	13,800	0.21 J	2.09	5 U	1,200	0.5 U	4,700	24.5	0.1 U	1.38	0.44 J	0.5 U
FW-3	19.5	0.0896 J	1.9	4	0.049 J	0.5 U	25,000	0.156 J	1.68 J	5 U	80 J	0.5 U	11,900	243	0.1 U	40.7	6.84	0.5 U
FW-4	32	0.048 J	0.61	9.47	0.5 U	0.5 U	17,000	0.23 J	0.78 J	5 U	34.3 J	0.047 J	7,810	372	0.1 U	0.78	0.34 J	0.5 U
FW-5	3,440	0.3 U	0.81 J	250	0.95 J	6.58	156,000	16.5	33.7	2.28 J	854	0.22 J	73,400	5,910	0.1 U	544	3.18	0.6 J
FW-6	263	0.2 J	1.68	20.2	0.11 J	0.5 U	67,900	0.3 J	2.26	5 U	88.1 J	0.21 J	25,100	11	0.1 U	74.2	4.47	0.5 U
FW-7	16.2	0.041 J	4.93	13.9	0.5 U	0.036 J	25,500	0.39 J	2 U	5 U	3,360	0.5 U	11,200	2,020	0.1 U	1.4	0.57	0.5 U
MW-01A	10.1	0.056 U	0.58	8.51	0.5 U	0.5 U	27,800	1 U	2 U	1.8 J	206	0.5 U	11,400	764	0.1 U	0.94	0.61	0.5 U
MW-02A	7.06 J	0.044 U	19.9	9.42	0.5 U	0.5 U	28,100	1 U	2 U	5 U	8,280	0.5 U	14,400	1,090	0.1 U	2.36	0.59	0.5 U
MW-03A	19.7	0.15 U	11.4	17.7	0.5 U	0.5 U	35,100	1 U	2 U	2.03 J	9,650	0.5 U	18,300	1,050	0.1 U	1.08	0.84	0.037 J
MW-04A	10 U	0.048 U	0.93	8.58	0.5 U	0.5 U	28,900	1 U	2 U	1.68 J	66.8 J	0.5 U	13,100	1,020	0.1 U	0.78	0.48 J	0.5 U
MW-05A	10 U	0.5 U	2.2	5.89	0.5 U	0.5 U	25,300	0.23 J	2 U	5 U	637	0.5 U	12,600	1,820	0.1 U	0.56	0.41 J	0.5 U
MW-06A	22	0.035 J	1.36	3.37	0.5 U	0.5 U	21,600	0.23 J	2 U	5 U	82.6 J	0.5 U	13,000	379	0.1 U	0.44 J	0.38 J	0.5 U
MW-07A	10.3	0.083 J	19.2	21.6	0.5 U	0.5 U	25,900	1 U	2 U	5 U	3,790	0.5 U	10,800	1,050	0.1 U	0.49 J	0.38 J	0.5 U
MW-08A	47.8	0.053 J	24.5	30	0.5 U	0.5 U	19,300	0.29 J	2 U	5 U	1,320	0.054 J	9,310	541	0.1 U	0.5	0.74	0.5 U
MW-10A	21.7	0.036 J	0.39 J	2.94	0.5 U	0.5 U	22,200	0.18 J	2 U	5 U	21 J	0.5 U	8,360	9.4	0.1 U	0.42 J	0.33 J	0.5 U
MW-11A	20.8	0.043 J	0.36 J	2.56	0.5 U	0.5 U	17,200	0.35 J	2.56	3 J	18.5 J	0.08 J	9,000	0.73	0.1 U	0.26 J	0.14 J	0.5 U
PW-01A	113	2.5 U	2.48 J	162	2.5 U	0.71 J	527,000	5 U	121	5 UJ	23,300	2.5 U	182,000	9,490	0.1 U	93.9	4.25	1.52 J
PW-03A	50 U	2.5 U	1.16 J	42.5	2.5 U	2.5 U	51,700	5 U	10 U	3.31 J	212	2.5 U	18,900	516	0.1 U	3.71	3.38	2.5 U
PW-10	6,420	0.5 U	3.14	2.08	0.18 J	0.035 J	2,290	0.24 J	3.43	5 U	73.2 J	0.045 J	947	121	0.1 U	6.96	14.1	0.077 J
PW-11	119	0.0862 J	2.07	15.1	0.0773 J	0.5 U	17,100	0.155 J	1.63 J	5 U	17.4 J	0.5 U	5,550	592	0.1 U	4.1	7.4	0.5 U
PW-12	5.99 J	0.052 J	1.68	4.72	0.5 U	0.5 U	29,200	0.15 J	2 U	5 U	807	0.041 J	10,000	315	0.1 U	66.4	1.51	0.5 U
PW-13	2,120	0.19 J	4.54	37	0.45 J	4.29	27,600	2.19	8.13	1.77 J	2,730	0.77	9,770	3,380	0.1 U	93.3	0.15 J	0.63
PW-14	61.6	0.15 U	0.27 J	4.69	0.5 U	0.5 U	13,200	0.68 J	5.42	5 U	26.7 J	0.5 U	4,400	2.47	0.1 U	0.79	0.3 J	0.5 U
PW-15AR	4,270	0.076 J	1.07	80.1	0.25 J	0.5 U	23,000	2.25	4.05	2.07 J	4,220	3.43	8,030	175	0.1 U	3.24	1.12	0.025 J
PW-16	4.09 J	0.031 J	0.4 J	3.58	0.5 U	0.5 U	15,000	1 U	0.68 J	5 U	10.5 J	0.5 U	8,340	38.7	0.1 U	0.83	0.51	0.14 J
PW-19A	296	0.19 J	0.43 J	7.14	0.5 U	0.5 U	11,500	0.35 J	1.81 J	5 U	412	0.2 J	3,870	13.5	0.1 U	0.65	0.18 J	0.12 J
PW-20A	465	0.2 J	0.44 J	4.34	0.5 U	0.5 U	11,100	0.58 J	2.71	5 U	542	0.37 J	5,160	30.4	0.1 U	1.04	0.22 J	0.098 J
PW-30A	44.2	0.094 J	0.77	9.31	0.5 U	0.5 U	14,600	0.25 J	1.09 J	5 U	127	0.5 U	5,630	38.7	0.1 U	1.06	0.32 J	0.5 U
PW-31A	12.6	0.041 J	0.67	7.83	0.5 U	0.5 U	29,100	0.21 J	0.88 J	5 U	49.2 J	0.5 U	14,700	411	0.1 U	1.04	0.37 J	0.5 U
PW-32A	28.3	0.405 J	0.415 J	17.7	0.5 U	0.195 J	37,400	0.111 J	3.97	2.34 J	35.5 J	0.5 U	24,700	2,840	0.1 U	4.64	0.569	0.5 U
PW-33A	10 U	0.053 U	1.1	4.02	0.5 U	0.5 U	35,400	0.32 J	0.65 J	1.51 J	100 U	0.5 U	17,800	119	0.1 U	2.11	0.28 J	0.5 U
PW-34A	91.6	0.23 U	1.21	28.7	0.5 U	0.5 U	33,600	0.33 J	3.16	5 U	212	0.097 J	13,100	1,370	0.1 U	3.74	0.46 U	0.14 J
PW-42A	10.7	0.5 U	1.68	4.58	0.5 U	0.5 U	24,600	1 U	2 U	5 U	6,360	0.5 U	14,900	261	0.1 U	14.5	0.84	0.5 U
PW-45A	50.7	0.09 J	1.65	5.12	0.5 U	0.031 J	18,000	0.43 J	1.79 J	5 U	2,360	0.24 J	7,170	59.3	0.1 U	3.86	0.93	0.043 J
PW-46A	183	0.085 J	1.78	3.74	0.5 U	0.5 U	9,890	0.3 J	2.23	5 U	324	0.066 J	3,830	188	0.1 U	0.54	0.25 J	0.5 U
PW-68A	93.3	0.78	1.08	4.09	0.5 U	0.5 U	17,200	0.59 J	1.35 J	5 U	93.8 J	0.058 J	5,280	0.97	0.1 U	0.81	0.33 J	0.5 U
PW-69A	24.9	0.15 J	19.8	16.8	0.068 J	0.5 U	17,200	0.41 J	2.05	1.67 J	4,750	0.11 J	6,680	4,710	0.1 U	1.11	0.59	0.5 U
PW-70AR	39.3	0.277 J	0.649	7.25	0.5 U	0.083 J	21,200	1 U	0.862 J	5 U	79 J	0.5 U	14,200	840	0.1 U	1.38	0.563	0.5 U
PW-71A	10.7	0.19 U	16.7	9.79	0.5 U	0.5 U	18,500	0.18 J	1.61 J	5 U	1,850	0.067 J	6,750	3,330	0.1 U	3.31	1.2	0.5 U
PW-72A	189	0.11 J	0.44 J	3.44	0.5 U	0.25 J	7,610	1.29	35.9	5 U	311	0.53	3,610	22.8	0.1 U	1.46	0.22 J	0.071 J
PW-73A	254	0.18 J	0.4 J	2.95	0.5 U	0.5 U	7,450	0.31 J	2.09	5 U	408	0.12 J	3,320	15.4	0.1 U	0.42 J	0.21 J	0.061 J
PW-73B	11.7	0.18 U	4.05	1.46 J	0.5 U	0.5 U	15,500	0.11 J	2 U	5 U	10.3 J	0.5 U	7,090	249	0.1 U	0.68	0.8	0.027 J
PW-74A	12,800	0.23 J	80.1	208	0.55 J	0.23 J	15,600	9.43	29.9	5 U	47,300	16.3	7,400	6,740	0.078 J	8.59	0.71 J	0.25 J

Table D-1. Fabrication Area Total Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Copper	Cyanide	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Selenium	Silver
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	6	10	2,000	1	5	--	100	1,000	200	--	--	--	50	2	--	50	--
PW-74B	35.3	0.18 U	0.51	4.2	0.5 U	0.5 U	12,800	0.11 J	1.88 J	5 U	50 J	0.084 J	7,370	159	0.1 U	0.6	0.81	0.2 J
PW-75A	23.3	0.18 U	0.41 J	19.2	0.5 U	0.5 U	17,500	1 U	1.88 J	2.28 J	64.8 J	0.5 U	9,250	758	0.1 U	1.52	0.5	0.5 U
PW-76A	128	0.11 J	4.57	72.4	0.5 U	0.5 U	9,370	0.64 J	6.56	2.69 J	137	0.21 J	2,850	5.27	0.1 U	0.98	13.3	0.044 J
PW-77A	655	0.035 J	0.61	28.2	0.049 J	0.5 U	121,000	0.72 J	7.61	5 U	648	0.75	36,600	16.8	0.1 U	39.1	1.36	0.5 U
PW-78A	17 J	0.32 U	0.74 J	40.7	2.5 U	2.5 U	34,700	5 U	10 U	5 UJ	100 U	2.5 U	17,500	452	0.065 J	7.49	1.57 J	2.5 U
PW-79A	10 U	0.5 U	1.66	98.4	0.039 J	0.5 U	47,800	1 U	2 U	5 U	3,620	0.5 U	12,400	849	0.1 U	1.94	0.8	0.029 J
PW-80A	10 U	0.037 J	0.39 J	6.44	0.5 U	0.5 U	21,400	1 U	2 U	3.31 J	400	0.5 U	5,550	242	0.1 U	1.15	1.07	0.5 U
PW-81A	147	0.0362 J	9.74	10.5	0.5 U	0.0327 J	48,600	0.228 J	2 U	2.23 J	7,660	0.108 J	22,800	539	0.1 U	3.52	1.01	0.5 U
PW-82A	124	0.135 J	1.97	8.72	0.5 U	0.5 U	7,260	0.31 J	3.21	5 U	142	0.0408 J	2,010	228	0.1 U	2.23	6.43	0.5 U
PW-83A	17.6	0.103 J	3.36	11.2	0.5 U	0.5 U	28,700	1 U	2.04	5 U	1,010	0.5 U	9,100	469	0.1 U	3.4	5.28	0.5 U
PW-84A	23.1	0.084 J	0.82	4.36	0.5 U	0.5 U	20,200	0.26 J	2.49	5 U	52.9 J	0.5 U	11,500	8.33	0.1 U	6.65	1	0.5 U
PW-85A	6.8 J	0.15 J	0.81	7.12	0.5 U	0.5 U	26,800	0.18 J	1.85 J	5 U	32.8 J	0.5 U	10,900	20.2	0.1 U	6.99	1.04	0.5 U
PW-86A	29.6	0.087 J	0.42 J	2.94	0.5 U	0.5 U	13,500	0.13 J	1.51 J	2.08 J	195	0.071 J	6,360	89.7	0.1 U	1.02	0.49 J	0.5 U
PW-87A	122	0.5 U	7.75	14.7	0.5 U	0.5 U	14,500	0.13 J	2 U	5 U	5,830	0.06 J	6,610	2,190	0.1 U	0.67	0.48 J	0.5 U
PW-88A	4.26 J	0.5 U	5.12	5.6	0.5 U	0.5 U	12,400	1 U	2.31	1.98 J	865	0.5 U	5,300	1,700	0.1 U	0.76	0.23 UJ	0.5 U
PW-89A	5,120	1.11 J	0.61 J	23.4	0.82 J	0.48 J	59,400	1.37 J	9.25 J	3.82 J	100 U	2.5 U	117,000	1,550	0.1 U	128	1.38 J	0.45 J
PW-91A	14.1	0.18 U	3.58	32.7	0.5 U	0.5 U	33,100	0.12 J	1.05 J	5.36	2,060	0.043 J	17,600	3,260	0.1 U	2.67	1.69	0.5 U
PW-92A	109	0.039 J	1.33	2.31	0.5 U	0.5 U	18,000	0.17 J	1.65 J	5 U	127	0.09 J	6,520	230	0.1 U	1.7	1.09	0.069 J
PW-93A	58.6	0.05 J	23.2	12	0.031 J	0.5 U	17,900	0.63 J	2.72	5 U	6,510	0.15 J	6,230	4,500	0.1 U	3.12	0.79	0.5 U
PW-94A	33.3	0.05 J	12.7	15.3	0.037 J	0.5 U	20,100	0.3 J	0.51 J	5 U	5,340	0.082 J	9,010	3,360	0.1 U	3.51	0.5	0.5 U
PW-95A	32.7	0.19 J	2.36	7.05	0.064 J	0.5 U	18,900	0.15 J	5.12	5 U	1,550	0.044 J	11,100	328	0.1 U	3.95	0.8	0.5 U
PW-98A	739	0.12 U	1.52	20.5	0.49 J	0.5 U	88,600	0.3 J	3.76	5 U	433	0.19 J	42,500	2,780	0.1 U	10.4	1.38	0.5 U
PW-99A	1,160	0.13 J	0.85	3.84	0.71	0.5 U	21,400	0.52 J	4.02	5 U	403	0.14 J	11,800	92.6	0.1 U	15.9	1.19	0.5 U
PW-100A	192	0.5 U	4.19	18.1	0.5 U	0.5 U	29,100	0.54 J	2 U	5 U	11,400	0.13 J	12,500	611	0.1 U	1.35	0.87	0.5 U
PW-101A	25.9	0.12 J	3.13	2.13	0.5 U	0.5 U	8,040	0.14 J	2	5 U	73.2 J	0.5 U	4,150	426	0.1 U	0.47 J	0.2 J	0.5 U
PZ-01	64.9	0.194 J	4.74	29	0.5 U	0.5 U	28,900	0.27 J	2.44	4.08 J	54.6 J	0.5 U	2,870	1,580	0.1 U	6.01	16.7	0.5 U
TMW-1	24,700	1.09	42.2	323	3.23	25.1	123,000	39.5	21.1	23.2 J	51,000	8.2	29,300	21,900	0.064 J	793	1.64	3.57
TMW-3	53,500	0.92 J	11.5	155	6.13	0.71 J	197,000	21.8	6.06 J	13.9	72,700	6.59	50,800	3,080	0.1 U	2090	5 U	5 U
TMW-4	81,400	0.31 J	3.69	207	12.7	8.74	173,000	26.4	22.2	20.5 J	200,000	7.16	65,700	9,750	0.057 J	628	0.81 J	1.85
TMW-5	1,600	1.72 J	71.6	171	1.63 J	4.68	717,000	20.1	13.2	3.31 J	74,700	3.6	48,800	9,550	0.1 U	234	2.99	0.7 J

Table D-1. Fabrication Area Total Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Sodium	Thallium	Thorium	Tin	Uranium	Zinc
Unit	µg/L	µg/L	mg/L	µg/L	mg/L	µg/L
Cleanup Level [1]	--	2	--	--	0.03	--
E-11	30,500	0.2 U	[2]	25 U	[2]	5.55 J
FW-1	18,900	0.2 U	0.005 U	25 U	0.0005 U	3.72 U
FW-2	7,260	0.2 U	0.005 U	25 U	0.0005 U	5.55 J
FW-3	27,200	0.2 U	0.005 U	25 U	0.0003 J	3.11 J
FW-4	14,600	0.2 U	0.005 U	25 U	0.0005 U	4.98 U
FW-5	32,100	0.5 J	0.005 U	20 J	0.0159	249
FW-6	27,400	0.2 U	0.005 U	25 U	0.0005 U	2.91 J
FW-7	26,200	0.2 U	0.005 U	25 U	0.0005 U	3.26 J
MW-01A	16,000	0.2 U	0.005 U	25 U	0.0005 U	4.25 U
MW-02A	27,000	0.2 U	0.005 U	25 U	0.0005 U	3 U
MW-03A	32,500	0.2 U	0.005 U	25 U	0.0005 U	3.72 U
MW-04A	29,200	0.2 U	0.005 U	25 U	0.0003 J	3.22 U
MW-05A	32,300	0.2 U	0.005 U	25 U	0.0005 U	3.45 U
MW-06A	17,500	0.2 U	0.005 U	25 U	0.0005 U	2.63 J
MW-07A	37,000	0.2 U	0.005 U	25 U	0.0005 U	4.64 U
MW-08A	88,100	0.2 U	0.005 U	25 U	0.0005 U	2.69 J
MW-10A	11,200	0.2 U	0.005 U	25 U	0.0005 U	10 U
MW-11A	14,900	0.2 U	0.005 U	25 U	0.0005 U	4.95 UJ
PW-01A	109,000	1 U	0.005 U	35.4	0.0009	57.3
PW-03A	20,000	1 U	0.005 U	25 U	0.0002 J	50 U
PW-10	13,300	0.2 U	0.005 U	25 U	0.0005 U	3.28 J
PW-11	10,900	0.2 U	0.005 U	25 U	0.0005 U	3.11 J
PW-12	38,400	0.2 U	0.005 U	25 U	0.0003 J	4.21 U
PW-13	20,500	0.2 U	0.005 U	25 U	0.0005 U	27.1
PW-14	5,730	0.2 U	0.005 U	25 U	0.0005 U	10 U
PW-15AR	16,700	0.041 J	0.004 J	25 U	0.001	9.69 J
PW-16	12,200	0.2 U	0.005 U	25 U	0.0005 U	10 U
PW-19A	5,880	0.2 U	0.005 U	25 U	0.0005 U	15.9
PW-20A	5,840	0.2 U	0.005 U	25 U	0.0005 U	10 U
PW-30A	9,930	0.2 U	0.005 U	25 U	0.0005 U	3.62 U
PW-31A	15,500	0.2 U	0.005 U	25 U	0.0005 U	3.67 U
PW-32A	17,000	0.2 U	0.005 U	25 U	0.0004 J	5.77 U
PW-33A	19,000	0.2 U	0.005 U	25 U	0.0001 J	2.82 J
PW-34A	13,500	0.2 U	0.005 U	25 U	0.0005 U	3.89 J
PW-42A	37,500	0.2 U	0.005 U	25 U	0.0005 U	2.61 J
PW-45A	18,200	0.2 U	0.005 U	25 U	0.0005 U	20.8
PW-46A	6,180	0.2 U	0.005 U	25 U	0.0005 U	4.34 U
PW-68A	9,360	0.2 U	0.005 U	25 U	0.0005 U	3.57 U
PW-69A	17,500	0.2 U	0.005 U	25 U	0.0005 U	5.12 U
PW-70AR	15,400	0.032 J	0.005 U	25 U	0.0002 J	4.92 U
PW-71A	11,100	0.2 U	0.005 U	25 U	0.0005 U	3.2 J
PW-72A	16,200	0.2 U	0.005 U	25 U	0.0005 U	11.2 U
PW-73A	4,850	0.2 U	0.005 U	25 U	0.0005 U	10 U
PW-73B	17,500	0.2 U	0.005 U	25 U	0.0005 U	10 U
PW-74A	6,840	1 U	0.002 J	25 U	0.0005	60.2

Table D-1. Fabrication Area Total Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Sodium	Thallium	Thorium	Tin	Uranium	Zinc
Unit	µg/L	µg/L	mg/L	µg/L	mg/L	µg/L
Cleanup Level [1]	--	2	--	--	0.03	--
PW-74B	13,000	0.2 U	0.005 U	25 U	0.0005 U	10 U
PW-75A	10,700	0.2 U	0.005 U	25 U	0.0005 U	10 U
PW-76A	12,200	0.2 U	0.005 U	25 U	0.0005 U	10 U
PW-77A	156,000	0.2 U	0.005 U	25 U	0.0004 J	3.09 J
PW-78A	19,900	1 U	0.005 U	25 U	0.0001 J	50 U
PW-79A	15,100	0.2 U	0.005 U	25 U	0.0005 U	3.28 J
PW-80A	17,700	0.2 U	0.005 U	25 U	0.0005 U	10 U
PW-81A	31,600	0.2 U	0.005 U	25 U	0.0005 U	4.44 U
PW-82A	9,770	0.2 U	0.005 U	25 U	0.0005 U	2.75 J
PW-83A	21,900	0.2 U	0.005 U	25 U	0.0005 U	3.41 J
PW-84A	18,700	0.2 U	0.005 U	25 U	0.0005 U	10 U
PW-85A	19,000	0.2 U	0.005 U	25 U	0.0005 U	10 U
PW-86A	8,520	0.2 U	0.005 U	25 U	0.0005 U	10 U
PW-87A	15,500	0.2 U	0.005 U	25 U	0.0005 U	10 U
PW-88A	8,600	0.2 U	0.005 U	25 U	0.0005 U	10 U
PW-89A	3,010	1 U	0.005 U	17.1 J	0.0026	54.9
PW-91A	12,100	0.2 U	0.005 U	25 U	0.0012	10 U
PW-92A	12,200	0.2 U	0.005 U	25 U	0.0005 U	10 U
PW-93A	11,500	0.2 U	0.005 U	25 U	0.0005 U	6.54 U
PW-94A	15,900	0.2 U	0.005 U	25 U	0.0005 U	4.04 U
PW-95A	48,200	0.2 U	0.005 U	25 U	0.0001 J	3.97 U
PW-98A	49,100	0.2 U	0.005 U	25 U	0.0009	6.08 J
PW-99A	23,900	0.2 U	0.005 U	25 U	0.0005 U	3.75 J
PW-100A	29,700	0.2 U	0.005 U	25 U	0.0005 U	5.83 U
PW-101A	8,990	0.2 U	0.005 U	25 U	0.0005 U	3.11 U
PZ-01	14,500	0.0718 J	0.005 U	25 U	0.0005 U	4.33 J
TMW-1	130,000	0.068 J	0.001 J	28.2	0.001	46.9
TMW-3	113,000	2 U	0.005	25 U	0.0011	74.1 J
TMW-4	142,000	0.11 J	0.003 J	50 U	0.0012	47.1
TMW-5	314,000	1 U	0.005 U	50 U	0.0025	221

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

2 Insufficient volume for sample collection.

µg/L = microgram per liter.

J = estimated value below the reporting limit.

mg/L = milligram per liter.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table D-2. Fabrication Area Dissolved Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Selenium	Silver	Sodium	Thorium
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
Cleanup Level [1]	--	6	10	2,000	1	5	--	100	1,000	--	--	--	50	--	50	--	--	--
E-11	11.8	0.45 U	1.79	61.7	0.044 J	0.044 J	35,200	0.66 J	2 U	77.9 J	0.5 U	6,640	1,000	24.7	0.35 J	0.5 U	30,300	[2]
FW-1	3.83 J	0.5 U	7.78	6.02	0.5 U	0.5 U	16,800	0.48 J	2 U	2,320	0.5 U	9,570	688	2.17	0.5	0.5 U	18,200	0.005 U
FW-2	21.9	0.072 J	0.56	3.35	0.5 U	0.5 U	13,800	0.18 J	2.66	50.8 J	0.5 U	4,680	17.6	1.44	0.42 J	0.5 U	7,050	0.005 U
FW-3	15.4	0.16 U	1.97	3.11	0.0471 J	0.5 U	24,000	0.473 J	1.3 J	46.5 J	0.0509 J	11,600	142	41	7.36	0.5 U	26,000	0.005 U
FW-4	10 U	0.16 J	0.6	7.88	0.5 U	0.5 U	16,800	0.35 J	2 U	100 U	0.5 U	7,560	285	0.86	0.34 J	0.5 U	13,900	0.005 U
FW-5	2,910	0.49 U	1.4 J	205	0.82 J	5.06	132,000	4.87 J	31.2	1,480	0.89 J	74,300	5,570	418	3.77	0.74 J	28,600	0.005 U
FW-6	212	0.35 J	1.81	21.1	0.13 J	0.5 U	68,000	1.04	1.93 J	52.8 J	0.082 J	24,800	1.87	79.7	4.78	0.5 U	25,600	0.005 U
FW-7	10 U	0.15 J	2.34	9.6	0.5 U	0.5 U	25,100	0.41 J	2 U	1,660	0.5 U	11,000	1,940	1.49	0.6	0.5 U	26,000	0.005 U
MW-01A	10 U	0.15 U	0.57	8.2	0.5 U	0.5 U	26,200	0.68 J	2 U	202	0.5 U	10,900	779	0.92	0.58	0.5 U	16,100	0.005 U
MW-02A	10 U	0.15 U	20.1	8.68	0.5 U	0.5 U	27,300	0.6 J	2 U	8,370	0.5 U	13,900	1,060	2	0.59	0.5 U	25,600	0.005 U
MW-03A	10 U	0.15 U	11.1	16.8	0.5 U	0.5 U	35,300	0.69 J	2 U	9,010	0.5 U	18,200	1,020	0.62	0.79	0.5 U	31,800	0.005 U
MW-04A	10 U	0.15 U	0.89	8.04	0.5 U	0.5 U	28,000	0.45 J	2 U	39.9 J	0.5 U	12,400	942	0.79	0.46 J	0.5 U	25,700	0.005 U
MW-05A	10 U	0.04 J	2.06	4.77	0.5 U	0.5 U	24,700	0.34 J	2 U	513	0.5 U	12,500	1,620	0.5	0.44 J	0.5 U	33,700	0.005 U
MW-06A	10 U	0.15 U	1.33	2.22	0.5 U	0.5 U	20,400	0.39 J	2 U	100 U	0.5 U	12,000	148	0.42 J	0.35 J	0.5 U	16,800	0.005 U
MW-07A	10 U	0.09 J	18.6	20.2	0.5 U	0.5 U	25,300	0.31 J	2 U	3,650	0.5 U	10,400	1,020	0.43 J	0.41 J	0.5 U	36,200	0.005 U
MW-08A	10 U	0.15 U	32	25	0.5 U	0.5 U	18,700	0.38 J	2 U	1,550	0.5 U	8,980	551	0.47 J	0.84	0.5 U	94,000	0.005 U
MW-10A	10 U	0.063 J	0.38 J	2.63	0.5 U	0.5 U	21,700	0.3 J	2 U	100 U	0.5 U	8,090	0.95	0.38 J	0.35 J	0.5 U	10,700	0.005 U
MW-11A	3.66 J	0.15 UJ	0.37 J	2.37	0.5 U	0.5 U	16,900	1.05	2 U	100 U	0.079 J	8,870	0.95	0.37 J	0.16 J	0.5 U	15,100	0.005 U
PW-01A	50 U	2.5 U	2.18 J	161	2.5 U	0.64 J	529,000	5 U	65.2	6,640	2.5 U	182,000	9,540	105	8.77	0.96 J	108,000	0.005 U
PW-03A	50 U	0.16 U	1.32 J	45.2	2.5 U	2.5 U	51,400	5 U	10 U	260	2.5 U	19,900	566	3.67	4.36	2.5 U	20,400	0.005 U
PW-10	6,310	0.27 J	3.29	2.01	0.2 J	0.5 U	2,360	0.35 J	1.27 J	47.3 J	0.5 U	936	126	7.48	14.7	0.033 J	13,200	0.005 U
PW-11	114	0.181 U	1.99	15.4	0.081 J	0.5 U	16,300	0.597 J	1.18 J	100 U	0.5 U	5,370	601	4.45	6.84	0.5 U	10,600	0.005 U
PW-12	10 U	0.14 U	1.75	4.45	0.5 U	0.5 U	29,700	0.77 J	2 U	796	0.5 U	9,680	312	68.1	1.6	0.5 U	39,000	0.005 U
PW-13	1,880	0.14 U	4.02	29.7	0.47 J	0.35 J	26,300	0.84 J	5.32	1,050	0.19 J	9,590	2,780	71.4	0.21 J	0.035 J	19,200	0.005 U
PW-14	27.2	0.32 U	0.27 J	4.64	0.5 U	0.5 U	13,200	0.62 J	2.95	100 U	0.5 U	4,470	2.03	0.94	0.31 U	0.5 U	5,740	0.005 U
PW-15AR	59.7	0.39 J	0.69	44.4	0.5 U	0.5 U	22,200	0.81 J	2 U	182	0.15 J	7,090	14.9	1.52	1.05	0.5 U	14,000	0.005 U
PW-16	10 U	0.094 J	0.4 J	3.27	0.5 U	0.5 U	15,000	0.54 J	2 U	100 U	0.5 U	8,220	0.17 U	0.51	0.45 J	0.066 J	11,900	0.005 U
PW-19A	4.01 J	0.27 J	0.4 J	6.27	0.5 U	0.5 U	11,200	0.4 J	0.71 J	100 U	0.5 U	3,730	1.43	0.45 J	0.25 J	0.5 U	5,700	0.005 U
PW-20A	8.86 J	0.38 J	0.33 J	2.84	0.5 U	0.5 U	10,800	0.54 J	1.48 J	100 U	0.5 U	4,880	1.26	0.6	0.18 J	0.5 U	5,710	0.005 U
PW-30A	3.3 J	0.2 J	0.69	7.81	0.5 U	0.5 U	14,300	0.38 J	0.83 J	57.7 J	0.5 U	5,390	8.51	1.06	0.31 J	0.5 U	9,520	0.005 U
PW-31A	10 U	0.16 J	0.54	4.43	0.5 U	0.5 U	28,400	0.58 J	2 U	100 U	0.5 U	14,300	9.69	0.53	0.34 J	0.5 U	15,300	0.005 U
PW-32A	10 U	0.148 J	0.412 J	3.67	0.5 U	0.5 U	36,600	0.903 J	0.897 J	10.3 J	0.5 U	24,700	134	2.75	0.54	0.5 U	17,000	0.005 U
PW-33A	10 U	0.16 U	1.07	3.15	0.5 U	0.5 U	34,800	0.6 J	2 U	100 U	0.5 U	17,100	28.4	1.69	0.27 U	0.5 U	18,300	0.005 U
PW-34A	10 U	0.25 U	1.12	11.4	0.5 U	0.5 U	33,700	0.57 J	1.15 J	100 U	0.5 U	13,000	274	2.32	0.45 J	0.025 J	13,600	0.005 U
PW-42A	10 U	0.16 U	1.39	4.03	0.5 U	0.5 U	24,100	0.71 J	2 U	5,250	0.5 U	14,300	261	15.4	0.82	0.5 U	35,900	0.005 U
PW-45A	10 U	0.12 J	1.42	4.75	0.5 U	0.5 U	17,800	0.76 J	2 U	1,570	0.5 U	7,030	57.3	3.77	0.95	0.5 U	17,700	0.005 U
PW-46A	3.28 J	0.24 J	1.49	0.63 J	0.5 U	0.5 U	9,160	0.3 J	1.23 J	14.2 J	0.5 U	3,530	11.7	0.36 J	0.24 J	0.5 U	5,560	0.005 U
PW-68A	3.74 J	0.82	1.06	3.56	0.5 U	0.5 U	16,800	0.62 J	0.77 J	10.7 J	0.5 U	5,010	0.094 J	0.74	0.32 J	0.5 U	9,330	0.005 U
PW-69A	12.7	0.14 U	19.9	15.4	0.051 J	0.5 U	16,800	0.63 J	2 U	4,570	0.5 U	6,410	4,590	1.03	0.53	0.5 U	16,000	0.005 U
PW-70AR	10 U	0.19 J	0.606	3.58	0.5 U	0.031 J	22,200	0.572 J	2 U	100 U	0.5 U	15,000	146	1.03	0.598	0.5 U	15,500	0.005 U
PW-71A	3.68 J	0.3 U	16.7	7.55	0.5 U	0.5 U	18,200	0.4 J	0.82 J	1,400	0.042 J	6,660	3,170	3.46	1.21	0.5 U	10,600	0.005 U
PW-72A	6.42 J	0.12 J	0.35 J	1.96 J	0.5 U	0.5 U	7,380	0.34 J	3.77	100 U	0.5 U	3,490	0.26 J	0.33 J	0.22 J	0.5 U	15,700	0.005 U
PW-73A	6.42 J	0.18 U	0.25 J	2.06	0.5 U	0.5 U	7,550	0.19 J	1.24 J	100 U	0.5 U	3,280	3.01	0.3 J	0.18 J	0.5 U	4,820	0.005 U
PW-73B	10 U	0.18 U	4.23	1.1 J	0.5 U	0.5 U	15,600	0.23 J	2 U	100 U	0.5 U	7,150	239	0.62	0.81	0.5 U	17,400	0.005 U
PW-74A	36.7	0.21 U	5.44	5.56	0.5 U	0.5 U	9,710	0.1 J	0.63 J	238	0.13 J	3,440	737	0.7	0.15 J	0.5 U	5,410	0.005 U

Table D-2. Fabrication Area Dissolved Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Selenium	Silver	Sodium	Thorium
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
Cleanup Level [1]	--	6	10	2,000	1	5	--	100	1,000	--	--	--	50	--	50	--	--	--
PW-74B	10 U	0.21 U	0.41 J	2.51	0.5 U	0.5 U	12,500	0.3 J	2 U	100 U	0.5 U	7,210	77.5	0.58	0.62	0.5 U	12,900	0.005 U
PW-75A	7.5 J	0.26 U	0.4 J	18.1	0.5 U	0.5 U	17,300	0.38 J	1.03 J	33.6 J	0.5 U	8,860	656	1.65	0.44 J	0.5 U	10,600	0.005 U
PW-76A	8.64 J	0.27 J	4.7	74.2	0.5 U	0.5 U	9,490	0.73 J	4.8	18.4 J	0.5 U	2,910	0.44 J	1.07	13.7	0.5 U	11,900	0.005 U
PW-77A	10 U	0.2 J	0.86	27.9	0.5 U	0.5 U	124,000	0.99 J	2.05	100 U	0.37 J	36,300	7.51	42.5	2.71	0.5 U	160,000	0.005 U
PW-78A	50 U	0.21 U	0.67 J	39.3	2.5 U	2.5 U	36,100	5 U	10 U	100 U	2.5 U	17,700	358	7.82	1.4 J	2.5 U	20,200	0.005 U
PW-79A	10 U	0.14 J	0.69	87.9	0.5 U	0.5 U	45,700	0.42 J	2 U	986	0.5 U	11,800	531	1.85	0.85	0.5 U	14,600	0.005 U
PW-80A	10 U	0.08 J	0.39 J	5.52	0.5 U	0.5 U	23,100	0.14 J	2 U	148	0.5 U	5,900	112	1.19	1.23	0.5 U	18,600	0.005 U
PW-81A	10 U	0.127 J	6.46	8.18	0.5 U	0.5 U	47,200	1.04	2 U	5,590	0.5 U	22,400	532	3.39	1.04	0.5 U	30,800	0.005 U
PW-82A	12.3	0.218 U	2.14	8.81	0.5 U	0.5 U	7,360	0.336 J	2.23	11.9 J	0.5 U	2,080	252	2.14	7.05	0.5 U	9,290	0.005 U
PW-83A	10 U	0.187 U	2.68	11.2	0.5 U	0.5 U	26,600	0.546 J	1.16 J	298	0.5 U	8,340	480	3.71	5.7	0.5 U	20,300	0.005 U
PW-84A	10 U	0.18 J	0.84	4.15	0.5 U	0.5 U	20,100	0.16 J	2.4	24 J	0.5 U	11,200	0.19 J	6.9	1	0.5 U	17,800	0.005 U
PW-85A	10 U	0.24 J	0.86	6.93	0.5 U	0.5 U	26,400	0.17 J	1.68 J	24.3 J	0.5 U	10,700	0.14 J	7.14	1.16	0.5 U	18,500	0.005 U
PW-86A	3.94 J	0.22 J	0.27 J	2.1	0.5 U	0.5 U	13,200	1 U	0.99 J	100 U	0.5 U	6,350	7.74	1	0.46 J	0.5 U	8,410	0.005 U
PW-87A	10 U	0.13 J	7.35	12	0.5 U	0.5 U	14,300	1 U	2 U	5,370	0.5 U	6,600	2,080	0.78	0.52	0.5 U	15,000	0.005 U
PW-88A	10 U	0.13 J	4.43	4.96	0.5 U	0.5 U	12,400	1 U	2 U	693	0.5 U	5,390	1,490	0.82	0.28 UJ	0.5 U	9,040	0.005 U
PW-89A	5,030	1.09 J	0.6 J	22.7	0.78 J	0.37 J	59,900	1.24 J	8.27 J	100 U	2.5 U	118,000	1,520	125	1.31 J	0.26 J	2,910	0.005 U
PW-91A	10 U	0.18 U	2.79	29.8	0.5 U	0.5 U	33,100	0.14 J	2 U	1,020	0.5 U	17,500	3,180	2.73	1.75	0.5 U	11,500	0.005 U
PW-92A	10 U	0.2 J	1.31	1.51 J	0.5 U	0.5 U	17,600	0.54 J	2 U	100 U	0.5 U	6,390	225	1.73	1.09	0.21 J	12,000	0.005 U
PW-93A	8.5 J	0.17 U	23.3	11	0.5 U	0.5 U	17,200	0.64 J	2 U	6,270	0.5 U	5,900	4,340	3.05	0.76	0.5 U	10,800	0.005 U
PW-94A	7.62 J	0.16 U	12.6	14.4	0.027 J	0.5 U	19,400	0.42 J	2 U	5,140	0.5 U	8,750	3,300	3.38	0.45 J	0.5 U	15,100	0.005 U
PW-95A	17.6	0.15 U	1.16	4.54	0.052 J	0.5 U	18,500	0.64 J	3.37	182	0.5 U	11,100	312	3.22	0.75	0.5 U	45,500	0.005 U
PW-98A	501	0.16 U	1.52	19.5	0.48 J	0.5 U	86,500	1.24	1.67 J	100 U	0.5 U	40,900	2,740	10.5	1.58	0.5 U	48,000	0.005 U
PW-99A	783	0.16 U	0.66	3.95	0.68	0.5 U	20,800	0.64 J	2.52	100 U	0.5 U	11,700	81	18.6	1	0.5 U	21,500	0.005 U
PW-100A	10 U	0.14 U	4.23	16.6	0.5 U	0.5 U	28,500	0.68 J	2 U	11,100	0.5 U	12,100	596	0.72	0.9	0.5 U	30,500	0.005 U
PW-101A	3.21 J	0.14 U	3.25	1.66 J	0.5 U	0.5 U	7,470	0.33 J	2 U	123	0.5 U	3,990	378	0.41 J	0.17 J	0.5 U	8,530	0.005 U
PZ-01	22.6	0.202 U	5.05	29.5	0.0255 J	0.5 U	28,900	0.404 J	2.12	12.5 J	0.5 U	2,770	1,540	5.68	18.2	0.5 U	14,200	0.005 U
TMW-1	11,600	0.73 U	26	134	3.25	0.69 J	65,100	7.84	2.63 J	11,100	0.087 J	14,500	13,200	569	1.62	0.13 J	102,000	[2]
TMW-3	30,400	0.49 U	7.53	35.4	5.37	5 U	123,000	2.17 J	20 U	60,300	0.8 J	44,700	2,990	2010	5 U	5 U	105,000	0.005 U
TMW-4	40,600	0.51 U	7.73	146	12	1.27	227,000	4.77	1.46 J	225,000	0.091 J	75,900	9,000	796	0.84 J	1 U	136,000	[2]
TMW-5	1,030	1.42 J	86	74.3	1.44 J	2.5 U	253,000	6.16	10 U	48,000	2.5 U	38,300	8,590	185	2.13 J	2.5 U	303,000	0.005 U

Table D-2. Fabrication Area Dissolved Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Tin	Uranium	Zinc
Unit	µg/L	mg/L	µg/L
Cleanup Level [1]	--	0.03	--
E-11	25 U	[2]	4.94 J
FW-1	25 U	0.0005 U	8.89 U
FW-2	25 U	0.0005 U	4.44 J
FW-3	25 U	0.0003 J	5.08 J
FW-4	25 U	0.0005 U	4.26 U
FW-5	21.5 J	0.0152	165
FW-6	25 U	0.0005 U	3.26 J
FW-7	25 U	0.0005 U	2.88 J
MW-01A	25 U	0.0005 U	3.36 U
MW-02A	25 U	0.0005 U	2.75 U
MW-03A	25 U	0.0005 U	2.99 U
MW-04A	25 U	0.0005 U	3.29 U
MW-05A	25 U	0.0005 U	3.09 U
MW-06A	25 U	0.0005 U	10 U
MW-07A	25 U	0.0005 U	3.07 U
MW-08A	25 U	0.0005 U	10 U
MW-10A	25 U	0.0005 U	3.06 U
MW-11A	25 U	0.0005 U	4.98 UJ
PW-01A	35.3	0.0006	58.3
PW-03A	25 U	0.0002 J	50 U
PW-10	25 U	0.0005 U	3.03 J
PW-11	25 U	0.0005 U	3.14 J
PW-12	25 U	0.0004 J	3.78 U
PW-13	25 U	0.0005 U	18.9
PW-14	25 U	0.0005 U	10 U
PW-15AR	25 U	0.0005 U	10 U
PW-16	25 U	0.0005 U	10 U
PW-19A	25 U	0.0005 U	13.7
PW-20A	25 U	0.0005 U	10 U
PW-30A	25 U	0.0005 U	3.62 U
PW-31A	25 U	0.0005 U	3.44 U
PW-32A	25 U	0.0005	2.74 J
PW-33A	25 U	0.0002 J	10 U
PW-34A	25 U	0.0001 J	2.81 J
PW-42A	25 U	0.0005 U	10 U
PW-45A	25 U	0.0005 U	21.1
PW-46A	25 U	0.0005 U	3.43 U
PW-68A	25 U	0.0005 U	3.32 U
PW-69A	25 U	0.0005 U	2.95 U
PW-70AR	25 U	0.0002 J	4.24 J
PW-71A	25 U	0.0005 U	2.99 J
PW-72A	25 U	0.0005 U	3.86 U
PW-73A	25 U	0.0005 U	10 U
PW-73B	25 U	0.0005 U	10 U
PW-74A	25 U	0.0005 U	10 U

Table D-2. Fabrication Area Dissolved Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Tin	Uranium	Zinc
Unit	µg/L	mg/L	µg/L
Cleanup Level [1]	--	0.03	--
PW-74B	25 U	0.0005 U	10 U
PW-75A	25 U	0.0005 U	10 U
PW-76A	25 U	0.0005 U	10 U
PW-77A	25 U	0.0003 J	10 U
PW-78A	25 U	0.0005 U	50 U
PW-79A	25 U	0.0005 U	2.61 J
PW-80A	25 U	0.0005 U	10 U
PW-81A	25 U	0.0005 U	10 U
PW-82A	25 U	0.0005 U	10 U
PW-83A	25 U	0.0005 U	10 U
PW-84A	25 U	0.0005 U	10 U
PW-85A	25 U	0.0005 U	10 U
PW-86A	25 U	0.0005 U	10 U
PW-87A	25 U	0.0005 U	10 U
PW-88A	25 U	0.0005 U	10 U
PW-89A	18.7 J	0.0021	55.3
PW-91A	25 U	0.0011	10 U
PW-92A	25 U	0.0005 U	10 U
PW-93A	25 U	0.0005 U	3.56 U
PW-94A	25 U	0.0005 U	3.48 U
PW-95A	25 U	0.0001 J	3.23 U
PW-98A	25 U	0.001	5.11 J
PW-99A	25 U	0.0001 J	4 J
PW-100A	25 U	0.0005 U	4.48 U
PW-101A	25 U	0.0005 U	2.98 U
PZ-01	25 U	0.0005 U	4.69 J
TMW-1	25 U	[2]	12.8 J
TMW-3	25 U	0.0002 J	48.3 J
TMW-4	50 U	[2]	34.9
TMW-5	50 U	0.0036	50 U

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

2 Insufficient volume for sample collection.

µg/L = microgram per liter.

J = estimated value below the reporting limit.

mg/L = milligram per liter.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table D-3. Fabrication Area General Chemistry Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Alkalinity	Ammonia	Chloride	Fluoride	Nitrate	Sulfate	Total Dissolved Solids	Total Organic Solids	Total Suspended Solids	Hardness
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Cleanup Level [1]	--	250	--	4	10	--	--	--	--	--
E-11	150	0.2	12.4	5.94	0.085 J	31.6	221	3.61	10.6	119
FW-1	99.1	0.05 UJ	13.9	1.32	0.09 U	4.54	16 J	2.16	4.4 J	85.3
FW-2	34.1	0.074 U	8.58	0.88 J	3.45	5.94	145	0.99	5.6	53.8
FW-3	108	0.0306 J	19.7	2.12	1.47	18	182	1.65	5 U	111
FW-4	80.6	0.05 U	10	0.19 J	0.69	6.39	141	0.71	57.7	74.6
FW-5	429 J	801	1,660	16.6	62.2	132	3,530	2.91	94.8	692
FW-6	311	0.05 U	14.5	9.8	1.31	12.2	352	6.63	1.2 J	273
FW-7	141	0.096	19.2	0.12 J	0.044 J	6.54	325	2.08	9.2	110
MW-01A	109	0.05 U	19.8	0.12 J	0.26	7.51	195	1.99	1.4 J	116
MW-02A	145	0.039 J	17.2	0.43 J	0.09 J	17.9	253	1.06	17.2	129
MW-03A	143	0.063 J	32.9	0.18 J	0.1 U	0.81	260	0.94	20.2	163
MW-04A	133	0.05 U	2.53	0.18 J	0.1 U	6.33	242	1.96	5 U	126
MW-05A	149	0.087	19.3	0.094 J	0.09 U	8.81	187	0.76	1.6 J	115
MW-06A	121	0.05 U	6.57	0.1 J	1.03	8.89	176	0.32 J	1.4 J	107
MW-07A	150	0.24	22.3	0.12 J	0.1 U	8.56	208	1.37	9.2	109
MW-08A	197	0.17	59.8	0.2 J	0.29	2.52	218	2.22	5.8	86.5
MW-10A	63.7	0.05 U	19.7	0.049 J	2.62	7.97	129	0.55	5 U	89.9
MW-11A	81.4	0.05 U	8.88	1 U	2.68	9.2 J	194	0.39 J	2.8 J	80
PW-01A	81	141	1,930	0.78 U	1.03 U	113	4,870	1.49	54	2,070
PW-03A	128	53.6	120	1.2	19.9	87.7	511	1.43	1.8 J	207
PW-10	16.9	0.05 U	7.73	26.7	0.36 U	7.22	156	1.13	5 U	9.62
PW-11	43.6	3.88	14.7	2.4	3.59	16.5	132	2.05	1.2 J	65.6
PW-12	178	0.26	19.3	3.04	0.33 U	9.37	239	2.68	1.2 J	114
PW-13	131	2.34	8.85	17.7	0.85	11.3	186	5.23	15	109
PW-14	37.4	0.05 U	4.22	0.86 J	2.78	6.6	68	3.45	2 J	51.1
PW-15AR	86.1	0.024 J	10.6	0.32 J	0.66	8.78	172	1.47	264	90.5
PW-16	86.9	0.05 U	5.49	0.24 J	1.34	5.53	115	0.32 J	1.2 J	71.8
PW-19A	42.3	0.05 U	2.46	0.28 J	2.82	5.04	86	1	2 J	44.7
PW-20A	38.6	0.05 U	2.42	0.29 J	4.6	4.92	88	1.11	1.6 J	49
PW-30A	53.9	0.051	9.39	0.27 J	0.83	6.54	105	0.74	1.2 J	59.6
PW-31A	86.9	0.05 U	8.02	0.046 J	13.2	11.7	215	0.63	1.2 J	133
PW-32A	195	0.05 U	6.68	0.167 J	1.54	7.44	263	1.15	5.6	195
PW-33A	171	0.05 U	11.1	0.068 J	0.92	7.9	215	0.84	0.6 J	162
PW-34A	156	0.39	7.63	0.14 J	0.12 U	1.42	198	1.94	3.6 J	138
PW-42A	168	0.097	12.6	0.13 J	0.09 U	8.89	219	1.58	11.2	123
PW-45A	78.7	0.14	17.2	0.094 J	0.17 U	9.06	118	2.32	5.2	74.5
PW-46A	39.1	0.05 U	4.92	0.19 J	0.26 U	4.31	63	0.77	2.8 J	40.5
PW-68A	59.4	0.05 U	5.36	0.19 J	1.45	7.59	60	1.59	1.4 J	64.7
PW-69A	89.8	0.89	11.3	8.89	0.09 U	0.58	135	2.69	10.4	70.5
PW-70AR	89.2	0.05 U	6.83	0.0933 J	0.634	7.12	128	0.593	3.6 J	111
PW-71A	88.7	0.54	7.02	1.8	0.12 U	0.84	114	2.1	4.8 J	74

Table D-3. Fabrication Area General Chemistry Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Alkalinity	Ammonia	Chloride	Fluoride	Nitrate	Sulfate	Total Dissolved Solids	Total Organic Solids	Total Suspended Solids	Hardness
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Cleanup Level [1]	--	250	--	4	10	--	--	--	--	--
PW-72A	47.9	0.05 U	4.12	2.64	0.57	4.85	74	0.38 J	9.2	33.9
PW-73A	36	0.05 U	2.64	0.28 J	0.27 U	2.37	55	0.91	5	32.3
PW-73B	75.2	0.05 U	13	0.32 J	0.11 U	4.42	181	0.44 J	1.2 J	67.9
PW-74A	40.5	0.032 J	2.79	0.3 J	0.14 U	1	90	0.35 J	586	69.4
PW-74B	73.8	0.15	6.89	0.29 J	0.13 U	2.08	120	3.81	2.4 J	62.3
PW-75A	75.6	0.024 J	9.24	1.12	0.65	7.56	203	1.19	1.2 J	81.8
PW-76A	47.2	0.05 U	5.97	0.47 J	0.41 U	4.88	74	1.21	5 U	35.1
PW-77A	176	0.05 U	430	0.45 J	0.27 U	8.18	1,130	7	12.8	453
PW-78A	102	0.05 U	30.1	0.45 U	0.46 U	54.1	263	0.91	5 U	159
PW-79A	114	0.05 U	23.4	0.29 J	0.16 U	54.4	258	0.49 J	7.6	170
PW-80A	59.7	0.46	15.4	0.35 J	0.97	34.2	161	0.4 J	1.8 J	76.3
PW-81A	247	0.0952	18.8	0.0653 J	0.0856 J	6.73	280	0.968	14.6	215
PW-82A	48.6	20.3	18.1	0.982 J	3.72	38.9	115	1.08	2 J	26.4
PW-83A	82.5	17	25.1	0.622 J	0.632	90.8	236	1.12	3 J	109
PW-84A	99.2	0.074 U	12.8	0.64 J	1.35	7.25	171	0.89	1.6 J	97.8
PW-85A	91.8	0.05 U	21.4	0.65 J	3.06	8.79	179	1.06	0.8 J	112
PW-86A	50.7	0.05 U	5.98	1.4	0.85	9.48	133	1.6	2.2 J	59.9
PW-87A	90.6	0.86	6.64	0.32 J	0.1 U	0.28	110	1.55	18.2	63.4
PW-88A	72.8	2.91	3.72	0.55 J	0.1 U	1.29	115	1.26	2.6 J	52.8
PW-89A	9.81 J	0.074	78.1	13.6	140	28.7	1,330	1.69	1 J	630
PW-91A	142	0.67	13.4	1.15	0.1 U	12.3	218	2.11	6.2	155
PW-92A	82.5	3.45	16.2	0.54 J	0.1 U	9	123	1.05	1.4 J	71.8
PW-93A	86.7	0.54	8.29	3.99	0.1 U	0.5	132	4.28	15.6	70.4
PW-94A	102	0.92	11.3	7.04	0.1 U	1.4	159	2	11.6	87.3
PW-95A	140	0.05 U	29	9.84	0.29 U	2.76 J	229	2.47	2 J	92.9
PW-98A	293	0.033 J	34	16.8	24.3 J	25.3	583	2.35	8	396
PW-99A	88.8	0.05 U	17.6	12.9	2.57	16.1	214	2.33	13	102
PW-100A	187	0.21	12.9	0.11 U	0.1 U	2.95	236	1.75	19.6	124
PW-101A	41.9	0.19	5.47	1.88	0.1 U	3.61	51	1.29	5 U	37.2
PZ-01	56.6	50.1	21.1	1.05	9.56	172	307	1.29	1.8 J	84
TMW-1	495	4.14	29.1	30.1	0.1 U	0.82	914	209	148	428
TMW-3	178	1.73	319	507	0.12 U	397	1290	103	53.2	701
TMW-4	199	0.81	680	133	6.09	229	2,760 J	161	1640	703
TMW-5	1,480	0.78	141	10.3	0.086 J	0.09 U	2470	553	275	1,990

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

J = estimated value below the reporting limit.

mg/L = milligram per liter.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table D-4. Fabrication Area Volatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Chloromethane	Bromomethane	Vinyl Chloride	Chloroethane	Methylene Chloride	Acetone	Carbon Disulfide	1,1-Dichloroethylene	1,1-Dichloroethane	cis-1,2-Dichloroethylene	Chloroform	1,2-Dichloroethane	2-Butanone	1,1,1-Trichloroethane	Carbon Tetrachloride	Bromodichloromethane	1,2-Dichloropropane	cis-1,3-Dichloropropene
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	2	--	--	--	--	7	3,700	70	70	5	--	200	5	--	5	--
E-11	0.5 U	0.5 U	0.5 U	0.16 J	0.5 U	0.5 U	0.5 U	1.25	0.81	0.5 U	0.5 U	0.5 U	5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U
FW-1	0.5 U	0.5 U	11	494	0.97	0.5 U	0.5 U	81.4	440	5.43	0.5 U	0.5 U	5 U	298	0.5 U	0.5 U	0.5 U	0.5 U
FW-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.15 J	3.63	0.19 J	0.5 U	5 U	0.88	0.5 U	0.5 U	0.5 U	0.5 U
FW-3	0.5 U	0.5 U	3.6	27.8	0.5 U	0.5 U	0.5 U	130	123	4.41	0.68	0.5 U	5 U	181	0.5 U	0.5 U	0.5 U	0.5 U
FW-4	0.5 U	0.5 U	0.39 J	0.87	0.5 U	0.5 U	0.5 U	20.2	8.85	1.31	0.5 U	0.5 U	5 U	304	0.5 U	0.5 U	0.5 U	0.5 U
FW-5	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	6.2	0.5 U	0.25 J	0.66	4.63	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
FW-6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.37 J	0.5 U	0.5 U	0.5 U	5 U	0.74	0.5 U	0.5 U	0.5 U	0.5 U
FW-7	0.5 U	0.5 U	6	0.5 U	0.5 U	0.5 U	0.5 U	11.3	1.49	0.62	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
MW-01A	0.5 U	0.5 U	8.6	0.5 U	0.5 U	0.5 U	0.5 U	25.3	8.2	1.08	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
MW-02A	0.5 U	0.5 U	42.3	0.8	0.5 U	0.5 U	0.5 U	8.38	1.32	0.18 J	0.5 U	0.23 J	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
MW-03A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
MW-04A	0.5 U	0.5 U	3.26 J	0.5 U	0.5 U	0.5 U	0.5 U	8.5 J	0.65 J	0.4 J	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
MW-05A	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	250 U	25 U	25 U	25 U	25 U	25 U
MW-06A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
MW-07A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
MW-08A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
MW-10A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
MW-11A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-01A	0.5 UJ	0.5 U	5.85	0.5 U	0.5 U	0.5 U	0.5 U	13	7.61	12.5	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-03A	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.36 J	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.3	26.7	0.98	1.92	0.5 U	5 U	25.6	0.5 U	0.24 J	0.5 U	0.5 U
PW-11	0.5 U	0.5 U	3.93	22.2	0.5 U	0.5 U	0.5 U	214	86.3	2.7	0.47 J	0.36 J	5 U	131	0.5 U	0.5 U	0.5 U	0.5 U
PW-12	0.5 U	0.5 U	22.6	138	0.5 U	0.5 U	0.5 U	196	199	23.5	0.3 J	0.5 U	5 U	527	0.5 U	0.5 U	0.5 U	0.5 U
PW-13	0.5 U	0.5 U	1.53	0.5 U	0.5 U	0.5 U	0.5 U	95.6	308	0.29 J	0.17 J	0.5 U	5 U	13.5	0.5 U	0.5 U	0.5 U	0.5 U
PW-14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-15AR	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.76	0.5 U	0.5 U	0.5 U	5 U	0.38 J	0.5 U	0.5 U	0.5 U	0.5 U
PW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.29 J	0.36 J	0.5 U	0.5 U	0.5 U	5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U
PW-19A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-20A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-30A	0.5 U	0.5 U	0.5 U	1.06	0.5 U	0.5 U	0.5 U	33.3	10.6	0.66	0.5 U	0.5 U	5 U	551	0.5 U	0.5 U	0.5 U	0.5 U
PW-31A	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	5 U
PW-32A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-33A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-34A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-42A	0.5 U	0.5 U	1.42	0.5 U	0.5 U	0.5 U	0.5 U	9	1.4	15.9	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-45A	0.5 U	0.5 U	10	0.5 U	0.5 U	0.5 U	0.5 U	5.15	1.29	0.25 J	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-46A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-68A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-69A	0.5 U	0.5 U	1.03	19.4	0.5 U	0.5 U	0.5 U	6.28	31.5	2.97	0.5 U	0.5 U	5 U	60.5	0.5 U	0.5 U	0.5 U	0.5 U
PW-70AR	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table D-4. Fabrication Area Volatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Chloromethane	Bromomethane	Vinyl Chloride	Chloroethane	Methylene Chloride	Acetone	Carbon Disulfide	1,1-Dichloroethylene	1,1-Dichloroethane	cis-1,2-Dichloroethylene	Chloroform	1,2-Dichloroethane	2-Butanone	1,1,1-Trichloroethane	Carbon Tetrachloride	Bromodichloromethane	1,2-Dichloropropane	cis-1,3-Dichloropropene
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	2	--	--	--	--	7	3,700	70	70	5	--	200	5	--	5	--
PW-71A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-72A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-73A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-73B	0.5 U	0.5 U	1.65	0.5 U	0.5 U	0.5 U	0.5 U	1.89	1.4	1.96	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-74A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-74B	0.5 U	0.5 U	0.34 J	0.5 U	0.5 U	0.5 U	0.5 U	1.02	1.14	0.37 J	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-75A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.99	3.48	0.5 U	0.5 U	0.5 U	5 U	21.7	0.5 U	0.5 U	0.5 U	0.5 U
PW-76A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.35 J	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-77A	0.5 U	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	16	55.5	2.38	0.5 U	0.5 U	5 U	0.25 J	0.5 U	0.5 U	0.5 U	0.5 U
PW-78A	0.5 UJ	0.5 U	0.28 J	0.5 U	0.5 U	0.5 U	0.5 U	66.3	51.2	0.99	0.42 J	0.24 J	5 U	8	0.5 U	0.5 U	0.5 U	0.5 U
PW-79A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.54	1.23	0.55	0.5 U	0.5 U	5 U	0.35 J	0.5 U	0.5 U	0.5 U	0.5 U
PW-80A	0.5 U	0.5 U	1.77	2	0.5 U	0.5 U	0.5 U	8.26	14.7	4.76	1.39	0.5 U	5 U	10.2	0.5 U	0.5 U	0.5 U	0.5 U
PW-81A	0.5 U	0.5 U	0.41 J	0.5 U	0.5 U	0.5 U	0.5 U	7.53	4.43	13.3	0.5 U	0.5 U	5 U	0.28 J	0.5 U	0.5 U	0.5 U	0.5 U
PW-82A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-83A	0.5 U	0.5 U	0.53	0.5 U	0.5 U	0.5 U	0.5 U	0.88	0.3 J	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-84A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.78	1.76	18.8	0.5 U	0.5 U	5 U	0.38 J	0.5 U	0.5 U	0.5 U	0.5 U
PW-85A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.2	1.66	23.1	0.5 U	0.5 U	5 U	0.33 J	0.5 U	0.5 U	0.5 U	0.5 U
PW-86A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.15 J	0.5 U	0.5 U	0.5 U	0.5 U
PW-87A	0.5 U	0.5 U	0.31 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.15 J	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-88A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-89A	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-91A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.97	5.86	0.54	0.5 U	0.5 U	5 U	6.49	0.5 U	0.5 U	0.5 U	0.5 U
PW-92A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-93A	0.5 U	0.5 U	2.51	100	1.24	0.5 U	0.5 U	7.54	59.2	0.3 J	0.5 U	0.5 U	5 U	18.8	0.5 U	0.5 U	0.5 U	0.5 U
PW-94A	5 U	5 U	1.93 J	84.6	36.9	8.47	5 U	116	187	5.34	5 U	5 U	50 U	2,460	5 U	5 U	5 U	5 U
PW-95A	0.5 U	0.5 U	1.41	11.3	0.5 U	0.5 U	0.5 U	28.8	63.7	2.71	0.5 U	0.5 U	5 U	373	0.5 U	0.5 U	0.5 U	0.5 U
PW-98A	0.5 U	0.5 U	52.1	234	0.5 U	0.5 U	0.5 U	1,110	311	24.9	1.74	3.06	5 U	1,000	0.5 U	0.5 U	0.5 U	0.5 U
PW-99A	0.5 U	0.5 U	0.72	1.94	0.5 U	0.5 U	0.5 U	132	32.5	0.19 J	0.5 U	0.15 J	5 U	38.3	0.5 U	0.5 U	0.5 U	0.5 U
PW-100A	0.5 U	0.5 U	14.2	3.08	0.5 U	0.5 U	0.5 U	0.5 U	0.99	12.9	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PW-101A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.51	0.62	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PZ-01	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.33 J	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TMW-1	25 U	25 U	90.8	11,500	25 U	135	25 U	114	2,000	25 U	25 U	25 U	250 U	97.1	25 U	25 U	25 U	25 U
TMW-3	500 U	500 U	1,150	10,900	500 U	500 U	500 U	14,400	28,000	500 U	500 U	500 U	5,000 U	434,000	500 U	500 U	500 U	500 U
TMW-4	500 U	500 U	500 U	1,340	500 U	1,550	500 U	64,200	74,600	500 U	327 J	500 U	5,000 U	442,000	500 U	500 U	500 U	500 U
TMW-5	25 U	25 U	313	15,000	25 U	183	25 U	170	845	25 U	25 U	25 U	250 U	177	25 U	25 U	25 U	25 U

Table D-4. Fabrication Area Volatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Trichloroethylene	Dibromochloromethane	1,1,2-Trichloroethane	Benzene	trans-1,3-Dichloropropene	Bromoform	4-Methyl-2-pentanone	2-Hexanone	Tetrachloroethylene	Toluene	1,1,2,2-Tetrachloroethane	Chlorobenzene	Ethyl Benzene	Styrene	Xylenes (Total)	Acrolein	Acrylonitrile	2-Chloroethylvinylether
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	5	60	3	5	--	--	--	--	5	1,000	0.175	100	--	100	10,000	--	--	--
E-11	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
FW-1	1.83	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1.14	0.55	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
FW-2	22.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
FW-3	27.6	0.35 J	0.28 J	0.5 U	0.5 U	12.3	0.5 U	5 U	1.61	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
FW-4	0.92	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.26 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
FW-5	5.78	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.25 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
FW-6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
FW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
MW-01A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
MW-02A	0.17 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
MW-03A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
MW-04A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
MW-05A	25 U	25 U	25 U	25 U	25 U	25 U	25 U	250 U	25 U	25 U	25 U	25 U	25 U	25 U	1.5 U	25 U	25 U	25 U
MW-06A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
MW-07A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
MW-08A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
MW-10A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
MW-11A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-01A	0.94	0.5 U	0.5 U	0.18 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-03A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.36 J	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-10	1.04	0.5 U	0.5 U	0.5 U	0.5 U	0.25 J	0.5 U	0.5 U	1.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-11	3.5	0.5 U	0.38 J	0.5 U	0.5 U	1.32	0.5 U	5 U	0.88	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-12	98.8	0.5 U	0.51	0.5 U	0.5 U	0.5 U	0.5 U	5 U	4.22	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-13	2.19	0.5 U	0.17 J	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.54	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-15AR	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-19A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-20A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-30A	1.21	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.33 J	4.7	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-31A	5 U	5 U	5 U	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	1.5 U	5 U	5 U	5 U
PW-32A	0.25 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-33A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-34A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-42A	8.47	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-45A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-46A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-68A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-69A	0.24 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	2.13	0.91	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-70AR	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U

Table D-4. Fabrication Area Volatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Trichloroethylene	Dibromochloromethane	1,1,2-Trichloroethane	Benzene	trans-1,3-Dichloropropene	Bromoform	4-Methyl-2-pentanone	2-Hexanone	Tetrachloroethylene	Toluene	1,1,2,2-Tetrachloroethane	Chlorobenzene	Ethyl Benzene	Styrene	Xylenes (Total)	Acrolein	Acrylonitrile	2-Chloroethylvinylether
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	5	60	3	5	--	--	--	--	5	1,000	0.175	100	--	100	10,000	--	--	--
PW-71A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-72A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-73A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-73B	2.14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-74A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-74B	0.53	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-75A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-76A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-77A	1.83	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.21 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-78A	1.96	0.5 U	0.18 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.61	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-79A	0.44 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-80A	1.14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.45 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-81A	1.41	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-82A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-83A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-84A	4.81	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.27 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-85A	7.74	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.35 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-86A	0.22 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-87A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-88A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-89A	0.34 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-91A	0.27 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-92A	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-93A	0.16 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.22 J	0.39 J	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-94A	4.29 J	5 U	5 U	5 U	5 U	5 U	5 U	50 U	5.7	5 U	5 U	5 U	5 U	5 U	1.5 U	5 U	5 U	5 U
PW-95A	0.86	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1.06	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-98A	59.9	0.5 U	1.59	0.27 J	0.5 U	0.5 U	0.5 U	5 U	4.51	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-99A	0.82	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.26 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-100A	0.73	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PW-101A	0.28 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
PZ-01	0.5 U	0.24 J	0.5 U	0.5 U	0.5 U	15	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
TMW-1	9.79 J	25 U	25 U	25 U	25 U	25 U	25 U	250 U	25 U	8.94 J	25 U	25 U	25 U	25 U	75 U	25 U	25 U	25 U
TMW-3	932	500 U	500 U	500 U	500 U	500 U	500 U	5,000 U	500 U	500 U	500 U	500 U	500 U	500 U	1,500 U	500 U	500 U	500 U
TMW-4	2,160	500 U	587	500 U	500 U	500 U	500 U	5,000 U	500 U	500 U	500 U	500 U	500 U	500 U	1,500 U	500 U	500 U	500 U
TMW-5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	250 U	25 U	25 U	25 U	25 U	25 U	25 U	75 U	25 U	25 U	25 U

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

µg/L = microgram per liter. J = estimated value below the reporting limit. U = analyte was not detected above the reporting limit. = detected value exceeds cleanup level.

Table D-5. Fabrication Area Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Phenol	bis(2-Chloroethyl)ether	2-Chlorophenol	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichlorobenzene	2-Methylphenol	2,2'-oxybis(1-Chloropropane)	4-Methylphenol	N-Nitroso-di-n-dipropylamine	Hexachloroethane	Nitrobenzene	Isophorone	2-Nitrophenol	2,4-Dimethylphenol	bis(2-Chloroethoxy)methane	2,4-Dichlorophenol	1,2,4-Trichlorobenzene
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	70
E-11	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U
FW-1	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
FW-2	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 UJ	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
FW-3	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
FW-4	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
FW-5	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 UJ	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U
FW-6	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
FW-7	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U
MW-01A	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 UJ	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U
MW-02A	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 UJ	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U
MW-03A	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 UJ	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U
MW-04A	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 UJ	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U
MW-05A	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
MW-06A	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U
MW-07A	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U
MW-08A	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U
MW-10A	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U
MW-11A	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U
PW-01A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 UJ	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-03A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 UJ	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-10	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U
PW-11	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-12	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-13	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-14	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-15AR	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U
PW-16	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
PW-19A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-20A	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U
PW-30A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-31A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-32A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-33A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-34A	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U
PW-42A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-45A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-46A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-68A	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U
PW-69A	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U

Table D-5. Fabrication Area Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Phenol	bis(2-Chloroethyl)ether	2-Chlorophenol	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichlorobenzene	2-Methylphenol	2,2'-oxybis(1-Chloropropane)	4-Methylphenol	N-Nitroso-di-n-dipropylamine	Hexachloroethane	Nitrobenzene	Isophorone	2-Nitrophenol	2,4-Dimethylphenol	bis(2-Chloroethoxy)methane	2,4-Dichlorophenol	1,2,4-Trichlorobenzene
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	70
PW-70AR	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-71A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-72A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-73A	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 UJ	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U
PW-73B	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 UJ	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-74A	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ
PW-74B	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 UJ	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-75A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 UJ	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-76A	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
PW-77A	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
PW-78A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 UJ	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-79A	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
PW-80A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-81A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-82A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-83A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-84A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 UJ	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-85A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 UJ	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-86A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 UJ	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-87A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 UJ	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-88A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 UJ	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-89A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 UJ	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-91A	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 UJ	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
PW-92A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-93A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-94A	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U
PW-95A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-98A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-99A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-100A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-101A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PZ-01	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
TMW-1	13.1	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	2.54 J	5.1 U	193	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	6.28	5.1 U	5.1 U	5.1 U
TMW-3	4.48 J	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	43.4	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	2.14 J	4.76 U	4.76 U	4.76 U
TMW-4	6.45	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	40.9	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	3.17 J	4.8 U	4.8 U	4.8 U
TMW-5	13.9 J	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	154 J	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ

Table D-5. Fabrication Area Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Naphthalene	4-Chloroaniline	Hexachlorobutadiene	4-Chloro-3-methylphenol	2-Methylnaphthalene	Hexachlorocyclopentadiene	2,4,6-Trichlorophenol	2,4,5-Trichlorophenol	2-Chloronaphthalene	2-Nitroaniline	Dimethylphthalate	Acenaphthylene	2,6-Dinitrotoluene	3-Nitroaniline	Acenaphthene	1,2-Diphenylhydrazine	2,4-Dinitrophenol	4-Nitrophenol
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	50	--	50	--	--	--	--	--	--	--	--	--	--
E-11	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U
FW-1	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
FW-2	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
FW-3	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
FW-4	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
FW-5	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U
FW-6	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
FW-7	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U
MW-01A	5.22 U	5.22 U	5.22 UJ	5.22 U	5.22 U	5.22 UJ	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U
MW-02A	5.01 U	5.01 U	5.01 UJ	5.01 U	5.01 U	5.01 UJ	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U
MW-03A	5.49 U	5.49 U	5.49 UJ	5.49 U	5.49 U	5.49 UJ	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U
MW-04A	5.34 U	5.34 U	5.34 UJ	5.34 U	5.34 U	5.34 UJ	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U
MW-05A	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
MW-06A	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U
MW-07A	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U
MW-08A	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U
MW-10A	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U
MW-11A	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U
PW-01A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-03A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-10	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U
PW-11	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-12	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-13	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-14	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-15AR	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U
PW-16	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
PW-19A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-20A	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U
PW-30A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-31A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-32A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-33A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-34A	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U
PW-42A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-45A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-46A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-68A	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U
PW-69A	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U

Table D-5. Fabrication Area Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Naphthalene	4-Chloroaniline	Hexachlorobutadiene	4-Chloro-3-methylphenol	2-Methylnaphthalene	Hexachlorocyclopentadiene	2,4,6-Trichlorophenol	2,4,5-Trichlorophenol	2-Chloronaphthalene	2-Nitroaniline	Dimethylphthalate	Acenaphthylene	2,6-Dinitrotoluene	3-Nitroaniline	Acenaphthene	1,2-Diphenylhydrazine	2,4-Dinitrophenol	4-Nitrophenol
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	50	--	50	--	--	--	--	--	--	--	--	--	--
PW-70AR	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-71A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-72A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-73A	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 UJ	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U
PW-73B	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 UJ	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-74A	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ
PW-74B	4.72 U	4.72 U	4.72 U	4.72 U	4.72 UJ	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-75A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 UJ	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-76A	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
PW-77A	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
PW-78A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-79A	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
PW-80A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-81A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-82A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-83A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-84A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-85A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-86A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-87A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-88A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-89A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-91A	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 UJ	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
PW-92A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-93A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-94A	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U
PW-95A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-98A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-99A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-100A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-101A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PZ-01	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
TMW-1	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
TMW-3	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	2.97 J	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
TMW-4	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	2.37 J	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U
TMW-5	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ

Table D-5. Fabrication Area Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Dibenzofuran	2,4-Dinitrotoluene	Diethylphthalate	4-Chlorophenyl-phenyl ether	Fluorene	4-Nitroaniline	4,6-Dinito-2-methylphenol	N-Nitrosodiphenylamine	4-Bromophenyl-phenylether	Hexachlorobenzene	Pentachlorophenol	Phenanthrene	Anthracene	Carbazole	Di-n-butylphthalate	Fluoranthene	Pyrene	Butylbenzylphthalate
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	--	--	--
E-11	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U
FW-1	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
FW-2	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
FW-3	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	2.51 J	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
FW-4	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
FW-5	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U
FW-6	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
FW-7	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U
MW-01A	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U
MW-02A	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U
MW-03A	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U
MW-04A	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	4.08 J	5.34 U	5.34 U	5.34 U
MW-05A	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
MW-06A	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U
MW-07A	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U
MW-08A	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U
MW-10A	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U
MW-11A	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U
PW-01A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-03A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	5.55	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-10	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U
PW-11	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-12	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-13	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-14	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-15AR	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U
PW-16	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
PW-19A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-20A	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U
PW-30A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-31A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	2.61 J	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-32A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-33A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-34A	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U
PW-42A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-45A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-46A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-68A	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U
PW-69A	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U

Table D-5. Fabrication Area Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Dibenzofuran	2,4-Dinitrotoluene	Diethylphthalate	4-Chlorophenyl-phenyl ether	Fluorene	4-Nitroaniline	4,6-Dinito-2-methylphenol	N-Nitrosodiphenylamine	4-Bromophenyl-phenylether	Hexachlorobenzene	Pentachlorophenol	Phenanthrene	Anthracene	Carbazole	Di-n-butylphthalate	Fluoranthene	Pyrene	Butylbenzylphthalate
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	--	--	--
PW-70AR	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-71A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-72A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-73A	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U
PW-73B	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-74A	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ
PW-74B	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-75A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-76A	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
PW-77A	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
PW-78A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-79A	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
PW-80A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-81A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-82A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	2.59 J	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-83A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	2.51 J	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-84A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
PW-85A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-86A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-87A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-88A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-89A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-91A	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
PW-92A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-93A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U
PW-94A	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U
PW-95A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-98A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-99A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PW-100A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
PW-101A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U
PZ-01	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U
TMW-1	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	4.76 J	5.1 U	5.1 U	5.1 U
TMW-3	4.76 U	4.76 U	9.19	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U
TMW-4	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U
TMW-5	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ

Table D-5. Fabrication Area Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	3,3'-Dichlorobenzidine	Benzo(a)anthracene	Chrysene	bis(2-Ethylhexyl)phthalate	Di-n-octylphthalate	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenzo(a,h)anthracene	Benzo(g,h,i)perylene	Benzidine	Benzyl Alcohol
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	--	--	0.2	--	--	--	--	--
E-11	4.69 U	4.69 U	4.69 U	4.95	4.64 J	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	23.5 U	4.69 U
FW-1	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	23.7 U	4.74 U
FW-2	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	23.6 U	4.73 U
FW-3	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	23.7 U	4.74 U
FW-4	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	23.5 U	4.7 U
FW-5	4.83 U	4.83 U	4.83 U	4.26 J	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	24.1 U	4.83 U
FW-6	4.72 U	4.72 U	4.72 U	3.47 J	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	23.6 U	4.72 U
FW-7	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	24.9 U	4.99 U
MW-01A	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	5.22 U	26.4 U	5.22 U
MW-02A	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	25 U	5.01 U
MW-03A	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	5.49 U	27.4 U	5.49 U
MW-04A	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	5.34 U	26.7 U	5.34 U
MW-05A	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	26 U	5.2 U
MW-06A	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	5.32 U	26.6 U	5.32 U
MW-07A	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	5.13 U	25.6 U	5.13 U
MW-08A	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	5.19 U	26 U	5.19 U
MW-10A	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	24.1 U	4.81 U
MW-11A	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	24.5 U	4.9 U
PW-01A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	23.7 U	4.73 U
PW-03A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	23.7 U	4.74 U
PW-10	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	23.5 U	4.69 U
PW-11	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	23.7 U	4.74 U
PW-12	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	23.6 U	4.73 U
PW-13	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	23.6 U	4.72 U
PW-14	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	23.6 U	4.73 U
PW-15AR	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	24.4 U	4.88 U
PW-16	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	23.8 U	4.76 U
PW-19A	4.75 U	4.75 U	4.75 U	3.85 J	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	23.7 U	4.75 U
PW-20A	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	23.9 U	4.78 U
PW-30A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	23.7 U	4.73 U
PW-31A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	23.6 U	4.72 U
PW-32A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	23.6 U	4.72 U
PW-33A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	23.6 U	4.73 U
PW-34A	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	23.6 U	4.71 U
PW-42A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	23.8 U	4.75 U
PW-45A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	23.6 U	4.73 U
PW-46A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	23.7 U	4.74 U
PW-68A	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	23.9 U	4.78 U
PW-69A	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	23.8 U	4.76 U

Table D-5. Fabrication Area Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	3,3'-Dichlorobenzidine	Benzo(a)anthracene	Chrysene	bis(2-Ethylhexyl)phthalate	Di-n-octylphthalate	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenzo(a,h)anthracene	Benzo(g,h,i)perylene	Benzidine	Benzyl Alcohol
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	--	--	0.2	--	--	--	--	--
PW-70AR	4.72 U	4.72 U	4.72 U	4.99	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	23.6 U	4.72 U
PW-71A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	23.6 U	4.72 U
PW-72A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	23.7 U	4.75 U
PW-73A	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	23.9 U	4.78 U
PW-73B	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	23.7 U	4.75 U
PW-74A	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	4.76 UJ	26 U	4.76 UJ
PW-74B	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	23.6 U	4.72 U
PW-75A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	23.7 U	4.73 U
PW-76A	4.76 U	4.76 U	4.76 U	4.32 J	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	23.8 U	4.76 U
PW-77A	4.76 U	4.76 U	4.76 U	3.51 J	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	2.33 J	23.8 U	4.76 U
PW-78A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	23.7 U	4.74 U
PW-79A	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	23.8 U	4.76 U
PW-80A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	23.7 U	4.74 U
PW-81A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	23.6 U	4.72 U
PW-82A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	23.7 U	4.75 U
PW-83A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	23.7 U	4.74 U
PW-84A	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	23.6 U	4.73 U
PW-85A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	23.6 U	4.72 U
PW-86A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	23.7 U	4.75 U
PW-87A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	23.6 U	4.72 U
PW-88A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	23.7 U	4.74 U
PW-89A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	23.7 U	4.75 U
PW-91A	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	23.5 U	4.7 U
PW-92A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	23.6 U	4.72 U
PW-93A	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	4.72 U	23.6 U	4.72 U
PW-94A	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	23.9 U	4.78 U
PW-95A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	23.7 U	4.74 U
PW-98A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	23.8 U	4.75 U
PW-99A	4.75 U	4.75 U	4.75 U	5.93	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	23.8 U	4.75 U
PW-100A	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	23.7 U	4.74 U
PW-101A	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	23.8 U	4.75 U
PZ-01	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	23.7 U	4.74 U
TMW-1	5.1 U	5.1 U	5.1 U	8.14	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	25.5 U	5.1 U
TMW-3	4.76 U	4.76 U	4.76 U	5.15	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	23.8 U	4.76 U
TMW-4	4.8 U	4.8 U	4.8 U	5.94	4.88	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	24 U	2.89 J
TMW-5	4.69 UJ	4.69 UJ	4.69 UJ	5.36 J	5.15 J	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	4.69 UJ	23.4 U	4.69 UJ

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

µg/L = microgram per liter.

J = estimated value below the reporting limit.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table D-6. Fabrication Area Radium-226/228 Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Radium-226	Radium-228
Unit	pCi/L	pCi/L
Cleanup Level [1]	5	
E-11	[2]	[2]
FW-1	0.05	0.04
FW-2	0.11	0.34
FW-3	0.1	-0.25
FW-4	0.12	0.2
FW-5	0.78	1.5
FW-6	0.04	0.73
FW-7	0.08	-0.26
MW-01A	0.01	0.99
MW-02A	0.01	1.1
MW-03A	0.09	0.3
MW-04A	0.06	1.1
MW-05A	0.11	-0.11
MW-06A	0.13	0.18
MW-07A	0.04	0.23
MW-08A	0.15	-0.05
MW-10A	0.08	0.12
MW-11A	-0.02	0.52
PW-01A	0.46	2.2
PW-03A	0.38	2
PW-10	0.08	0.04
PW-11	0.12	0.1
PW-12	0.09	0.24
PW-13	0.13	-0.2
PW-14	0.73	0.18
PW-15AR	7.1	9.5
PW-16	0.07	0.43
PW-19A	0.09	0.3
PW-20A	0.11	0.17
PW-30A	0.06	0.24
PW-31A	0.08	-0.03
PW-32A	0.05	0.57
PW-33A	0.07	-0.12
PW-34A	0.09	0.13
PW-42A	0.02	0.04
PW-45A	0.07	0.56
PW-46A	0.06	0.6
PW-68A	0.04	0.23
PW-69A	0.09	-0.04
PW-70AR	0.29	0.14
PW-71A	0.01	-0.17
PW-72A	0.11	-0.02
PW-73A	0.68	0.94
PW-73B	0.26	0.34
PW-74A	0.79	0.23

Table D-6. Fabrication Area Radium-226/228 Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Radium-226	Radium-228
Unit	pCi/L	pCi/L
Cleanup Level [1]	5	
PW-74B	0.96	1
PW-75A	0.09	0.59
PW-76A	0.07	0.27
PW-77A	0.2	1.3
PW-78A	0.87	1.1
PW-79A	0.04	0.41
PW-80A	0.02	0.47
PW-81A	0.22	0
PW-82A	0.13	0.18
PW-83A	-0.04	-0.14
PW-84A	0.17	0.44
PW-85A	0.12	0.54
PW-86A	0.15	0.8
PW-87A	0.17	0.48
PW-88A	0.03	0.45
PW-89A	0.29	11
PW-91A	0.13	0.48
PW-92A	0.08	0.07
PW-93A	0.1	0.15
PW-94A	0.02	-0.15
PW-95A	0.06	0.22
PW-98A	0.84	-0.01
PW-99A	0.34	-1.2
PW-100A	0.13	0.13
PW-101A	0.15	-0.08
PZ-01	0.12	-0.33
TMW-1	0.63	0.75
TMW-3	0.06	-0.78
TMW-4	0.78	1.2
TMW-5	[2]	[2]

Notes:

1 Cleanup level is a combined concentration of radium-226 and radium-228.

2 Insufficient volume for sample collection.

pCi/L = picocurie per liter.

= detected value exceeds cleanup level.

Table D-7. Fabrication Area Polychlorinated Biphenyls Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Totals PCBs
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	--	--	0.5
E-11	--	--	--	--	--	--	--	--
FW-1	--	--	--	--	--	--	--	--
FW-2	--	--	--	--	--	--	--	--
FW-3	--	--	--	--	--	--	--	--
FW-4	--	--	--	--	--	--	--	--
FW-5	--	--	--	--	--	--	--	--
FW-6	--	--	--	--	--	--	--	--
FW-7	--	--	--	--	--	--	--	--
MW-01A	--	--	--	--	--	--	--	--
MW-02A	--	--	--	--	--	--	--	--
MW-03A	--	--	--	--	--	--	--	--
MW-04A	--	--	--	--	--	--	--	--
MW-05A	--	--	--	--	--	--	--	--
MW-06A	--	--	--	--	--	--	--	--
MW-07A	--	--	--	--	--	--	--	--
MW-08A	--	--	--	--	--	--	--	--
MW-10A	--	--	--	--	--	--	--	--
MW-11A	--	--	--	--	--	--	--	--
PW-01A	--	--	--	--	--	--	--	--
PW-03A	--	--	--	--	--	--	--	--
PW-10	--	--	--	--	--	--	--	--
PW-11	--	--	--	--	--	--	--	--
PW-12	--	--	--	--	--	--	--	--
PW-13	--	--	--	--	--	--	--	--
PW-14	--	--	--	--	--	--	--	--
PW-15AR	--	--	--	--	--	--	--	--
PW-16	--	--	--	--	--	--	--	--
PW-19A	--	--	--	--	--	--	--	--
PW-20A	--	--	--	--	--	--	--	--
PW-30A	18.7 U	18.7 U	18.7 U	18.7 U	18.7 U	18.7 U	18.7 U	18.7 U
PW-31A	--	--	--	--	--	--	--	--
PW-32A	--	--	--	--	--	--	--	--
PW-33A	--	--	--	--	--	--	--	--
PW-34A	--	--	--	--	--	--	--	--
PW-42A	--	--	--	--	--	--	--	--
PW-45A	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
PW-46A	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U
PW-68A	--	--	--	--	--	--	--	--
PW-69A	--	--	--	--	--	--	--	--
PW-70AR	--	--	--	--	--	--	--	--
PW-71A	--	--	--	--	--	--	--	--
PW-72A	--	--	--	--	--	--	--	--
PW-73A	--	--	--	--	--	--	--	--
PW-73B	--	--	--	--	--	--	--	--

Table D-7. Fabrication Area Polychlorinated Biphenyls Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Totals PCBs
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	--	--	0.5
PW-74A	--	--	--	--	--	--	--	--
PW-74B	--	--	--	--	--	--	--	--
PW-75A	--	--	--	--	--	--	--	--
PW-76A	--	--	--	--	--	--	--	--
PW-77A	--	--	--	--	--	--	--	--
PW-78A	--	--	--	--	--	--	--	--
PW-79A	--	--	--	--	--	--	--	--
PW-80A	--	--	--	--	--	--	--	--
PW-81A	--	--	--	--	--	--	--	--
PW-82A	--	--	--	--	--	--	--	--
PW-83A	--	--	--	--	--	--	--	--
PW-84A	--	--	--	--	--	--	--	--
PW-85A	--	--	--	--	--	--	--	--
PW-86A	--	--	--	--	--	--	--	--
PW-87A	--	--	--	--	--	--	--	--
PW-88A	--	--	--	--	--	--	--	--
PW-89A	--	--	--	--	--	--	--	--
PW-91A	--	--	--	--	--	--	--	--
PW-92A	--	--	--	--	--	--	--	--
PW-93A	--	--	--	--	--	--	--	--
PW-94A	--	--	--	--	--	--	--	--
PW-95A	--	--	--	--	--	--	--	--
PW-98A	--	--	--	--	--	--	--	--
PW-99A	--	--	--	--	--	--	--	--
PW-100A	--	--	--	--	--	--	--	--
PW-101A	--	--	--	--	--	--	--	--
PZ-01	--	--	--	--	--	--	--	--
TMW-1	--	--	--	--	--	--	--	--
TMW-3	--	--	--	--	--	--	--	--
TMW-4	--	--	--	--	--	--	--	--
TMW-5	--	--	--	--	--	--	--	--

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

µg/L = microgram per liter.

PCBs = polychlorinated biphenyls

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Appendix E. Surface Water Analytical Results

Table E-1. Surface Water Total Metals Data
Table E-2. Surface Water Dissolved Metals Data
Table E-3. Surface Water General Chemistry Data
Table E-4. Surface Water Volatile Organic Compounds Data
Table E-5. Surface Water Semivolatile Organic Compounds Data
Table E-6. Surface Water Radium-226/228 Data

Table E-1. Surface Water Total Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Copper	Cyanide	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Selenium	Silver
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	1,600	150	--	5.3	FBV	--	11	FBV	5.2	1,000	FBV	--	--	0.012	FBV	4.6	0.1
MC-U	332	0.11 J	1.13	41.7	0.5 U	0.5 U	24,200	0.53 J	1.28 J	5 U	1,120	0.3 J	9,550	345	0.1 U	2.12	0.35 J	0.5 U
MC-M	220	0.083 J	1	31.5	0.5 U	0.5 U	20,700	0.38 J	1.09 J	5 U	948	0.18 J	7,750	297	0.1 U	2.03	0.38 J	0.5 U
MC-D	553	0.31 U	0.95	34.4	0.5 U	0.5 U	19,600	0.72 J	1.75 J	5 U	1,500	0.41 J	7,080	272	0.1 U	2.3	0.33 J	0.5 U
TC-U	175	0.14 U	0.85	11.9	0.5 U	0.5 U	23,500	0.25 J	1.22 J	5 U	374	0.17 J	9,620	83.5	0.1 U	1.27	0.22 J	0.5 U
TC-D	149	0.23 U	0.8	12	0.5 U	0.5 U	25,700	0.28 J	1.18 J	5 U	360	0.15 J	9,470	70.1	0.1 U	1.36	0.22 J	0.5 U
Function Based Values (FBV)																		
MC-U						32.20			2.59			273.76				49.03		
MC-M						27.71			4.76			224.84				42.22		
MC-D						26.14			4.56			208.36				39.86		
TC-U						31.79			4.17			269.21				48.41		
TC-D						33.06			5.79			283.47				50.36		

Table E-1. Surface Water Total Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Sodium	Thallium	Thorium	Tin	Uranium	Zinc
Unit	µg/L	µg/L	mg/L	µg/L	mg/L	µg/L
Cleanup Level [1]	--	40	--	--	--	FBV
MC-U	12,800	0.2 U	0.005 U	25 U	0.0005 U	5.35 U
MC-M	11,100	0.2 U	0.005 U	25 U	0.0005 U	4.64 U
MC-D	10,700	0.2 U	0.005 U	25 U	0.0005 U	10.5 U
TC-U	12,000	0.2 U	0.005 U	25 U	0.0005 U	10.4 U
TC-D	12,500	0.2 U	0.005 U	25 U	0.0005 U	12.6 U
MC-U						49.60
MC-M						42.81
MC-D						40.46
TC-U						48.97
TC-D						50.92

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

µg/L = microgram per liter.

FBV = function based value.

J = estimated value below the reporting limit.

mg/L = milligram per liter.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table E-2. Surface Water Dissolved Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Selenium	Silver	Sodium	Thorium
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
Cleanup Level [1]	--	1,600	150	--	5.3	FBV	--	11	FBV	1,000	FBV	--	--	FBV	4.6	0.1	--	--
MC-U	46.2	0.38 U	0.89	36.8	0.5 U	0.5 U	24,200	0.39 J	0.67 J	258	0.063 J	9,550	325	1.83	0.32 J	0.5 U	12,700	0.005 U
MC-M	18	0.53 U	0.79	27	0.5 U	0.5 U	19,900	0.24 J	0.86 J	223	0.5 U	7,470	273	1.74	0.36 J	0.5 U	10,400	0.005 U
MC-D	51.2	0.84	0.71	28.4	0.5 U	0.5 U	18,600	0.36 J	1.36 J	262	0.075 J	6,570	252	2.03	0.34 J	0.5 U	10,400	0.005 U
TC-U	32	0.55 U	0.76	10.8	0.5 U	0.5 U	22,000	0.43 J	1.11 J	116	0.048 J	8,960	75.3	1.18	0.25 J	0.5 U	11,400	0.005 U
TC-D	13.4	0.49 U	0.69	10.4	0.5 U	0.5 U	25,000	0.24 J	0.88 J	78.9 J	0.5 U	9,260	55.1	1.28	0.21 J	0.5 U	12,100	0.005 U
MC-U						35.42			2.59		345.96			49.18				
MC-M						30.24			4.76		275.173			42.34				
MC-D						28.43			4.56		251.947			39.98				
TC-U						34.95			4.17		339.265			48.55				
TC-D						36.42			5.79		360.336			50.51				

Table E-2. Surface Water Dissolved Metals Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Tin	Uranium	Zinc
Unit	µg/L	mg/L	µg/L
Cleanup Level [1]	--	--	FBV
MC-U	25 U	0.0005 U	4.65 U
MC-M	25 U	0.0005 U	4.71 U
MC-D	25 U	0.0005 U	7.4 U
TC-U	25 U	0.0001 J	9.3 U
TC-D	25 U	0.0005 U	10.5 U
MC-U			50.30
MC-M			43.41
MC-D			41.03
TC-U			49.67
TC-D			51.64

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

µg/L = microgram per liter.

J = estimated value below the reporting limit.

mg/L = milligram per liter.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table E-3. Surface Water General Chemistry Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Alkalinity	Ammonia	Chloride	Fluoride	Nitrate	Sulfate	Total Dissolved Solids	Total Organic Solids	Total Suspended Solids	Hardness
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Cleanup Level [1]	--	FBV	230	--	--	--	--	--	--	--
MC-U	93.9	0.068	11.1	0.16 J	1.33	13.9	123	4.64	8.6	99.8
MC-M	76.6	0.056	9.26	0.2 J	0.91	10.7	105	3.97	5.4	83.6
MC-D	69.9	0.064	8.75	0.31 J	1.03	12.5	127	5.04	14.4	78.1
TC-U	90.6	0.05 U	6.97	0.25 J	1.67	13.7	153	4.59	3.2 J	98.3
TC-D	89.3	0.098	14.1	0.3 J	1.66	14.1	184	4.41	2.2 J	103

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

FBV = function based value.

J = estimated value below the reporting limit.

mg/L = milligram per liter.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table E-4. Surface Water Volatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Chloromethane	Bromomethane	Vinyl Chloride	Chloroethane	Methylene Chloride	Acetone	Carbon Disulfide	1,1-Dichloroethylene	1,1-Dichloroethane	cis-1,2-Dichloroethylene	Chloroform	1,2-Dichloroethane	2-Butanone	1,1,1-Trichloroethane	Carbon Tetrachloride	Bromodichloromethane	1,2-Dichloropropane	cis-1,3-Dichloropropene
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	--	--	11,600	--	11,600	1,240	20,000	--	18,000	35,200	--	5,700	--
MC-U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
MC-M	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.17 J	0.5 U	0.5 U	0.5 U	0.5 U
MC-D	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.23 J	0.5 U	0.5 U	0.5 U	0.5 U
TC-U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TC-D	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table E-4. Surface Water Volatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Trichloroethylene	Dibromochloromethane	1,1,2-Trichloroethane	Benzene	trans-1,3-Dichloropropene	Bromoform	4-Methyl-2-pentanone	2-Hexanone	Tetrachloroethylene	Toluene	1,1,2,2-Tetrachloroethane	Chlorobenzene	Ethyl Benzene	Styrene	Xylenes (Total)	Acrolein	Acrylonitrile	2-Chloroethylvinylether
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	21,900	--	9,400	5,300	--	--	--	--	840	17,500	9,320	--	32,000	--	--	21	2,600	--
MC-U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
MC-M	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
MC-D	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
TC-U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U
TC-D	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

µg/L = microgram per liter.

J = estimated value below the reporting limit.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table E-5. Surface Water Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Phenol	bis(2-Chloroethyl)ether	2-Chlorophenol	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichlorobenzene	2-Methylphenol	2,2'-oxybis(1-Chloropropane)	4-Methylphenol	N-Nitroso-di-n-dipropylamine	Hexachloroethane	Nitrobenzene	Isophorone	2-Nitrophenol	2,4-Dimethylphenol	bis(2-Chloroethoxy)methane	2,4-Dichlorophenol	1,2,4-Trichlorobenzene
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	2,560	--	2,000	763	763	763	--	--	--	--	540	27,000	117,000	150	2,120	--	365	--
MC-U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U
MC-M	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
MC-D	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 UJ	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
TC-U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 UJ	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U
TC-D	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 UJ	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U

Table E-5. Surface Water Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Naphthalene	4-Chloroaniline	Hexachlorobutadiene	4-Chloro-3-methylphenol	2-Methylnaphthalene	Hexachlorocyclopentadiene	2,4,6-Trichlorophenol	2,4,5-Trichlorophenol	2-Chloronaphthalene	2-Nitroaniline	Dimethylphthalate	Acenaphthylene	2,6-Dinitrotoluene	3-Nitroaniline	Acenaphthene	1,2-Diphenylhydrazine	2,4-Dinitrophenol	4-Nitrophenol
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	620	--	9.3	--	--	5.2	970	--	1,600	--	--	--	230	--	520	270	--	150
MC-U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U
MC-M	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
MC-D	4.73 U	4.73 U	4.73 UJ	4.73 U	4.73 U	4.73 UJ	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
TC-U	4.71 U	4.71 U	4.71 UJ	4.71 U	4.71 U	4.71 UJ	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U
TC-D	4.77 U	4.77 U	4.77 UJ	4.77 U	4.77 U	4.77 UJ	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U

Table E-5. Surface Water Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Dibenzofuran	2,4-Dinitrotoluene	Diethylphthalate	4-Chlorophenyl-phenyl ether	Fluorene	4-Nitroaniline	4,6-Dinito-2-methylphenol	N-Nitrosodiphenylamine	4-Bromophenyl-phenylether	Hexachlorobenzene	Pentachlorophenol	Phenanthrene	Anthracene	Carbazole	Di-n-butylphthalate	Fluoranthene	Pyrene	Butylbenzylphthalate
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3,980	--	--
MC-U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U
MC-M	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
MC-D	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U
TC-U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U
TC-D	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U

Table E-5. Surface Water Semivolatile Organic Compounds Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	3,3'-Dichlorobenzidine	Benzo(a)anthracene	Chrysene	bis(2-Ethylhexyl)phthalate	Di-n-octylphthalate	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenzo(a,h)anthracene	Benzo(g,h,i)perylene	Benzidine	Benzyl Alcohol
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cleanup Level [1]	--	--	--	--	--	--	--	--	--	--	--	2,500	--
MC-U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	4.69 U	23.5 U	4.69 U
MC-M	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	23.5 U	4.7 U
MC-D	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	4.73 U	23.6 U	4.73 U
TC-U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	23.5 U	4.71 U
TC-D	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	23.8 U	4.77 U

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

µg/L = microgram per liter.

J = estimated value below the reporting limit.

U = analyte was not detected above the reporting limit.

= detected value exceeds cleanup level.

Table E-6. Surface Water Radium-226/228 Data

Sitewide Groundwater and Surface Water Sampling Results - 2016

ATI Millersburg Operations, Oregon

Monitoring Well	Radium-226	Radium-228
Unit	pCi/L	pCi/L
Cleanup Level [1]	--	--
MC-U	0.11	2
MC-M	0.07	0.9
MC-D	-0.08	0.24
TC-U	0.22	0.12
TC-D	-0.04	0.69

Notes:

1 Cleanup levels are derived from multiple sources; see Table B-4 of the Quality Assurance Project Plan (Sitewide QAPP) for details.

pCi/L = picocurie per liter.