LANDAU ASSOCIATES

July 14, 2017

Washington State Department of Ecology
Northwest Regional Office
3190 160th Ave SE
Bellevue, WA 98008-5452

Attn: Robin Harrover

Transmitted via email to: *rhar461@ecy.wa.gov*

Re: Status Report No. 59, April through June 2017 Activity Period
Boeing Auburn Facility
WAD 041337130, RCRA Corrective Action Agreed Order No. 01HWTRNR-3345
Auburn, Washington
Project No.0025164.140.501

Dear Ms. Harrover:

The Resource Conservation and Recovery Act (RCRA) Corrective Action Agreed Order (Auburn Agreed Order) became effective on August 14, 2002. As required under Section VI.13 of the Auburn Agreed Order, The Boeing Company (Boeing) is providing Status Report No. 59, which covers the 3-month activity period of April through June 2017.

References

1. April 3, 2017. Email: Boeing Sampling Government Canal from Butte Ave in Pacific? From Thea Levkovitz, Ecology, to James Bet and James Swortz, Boeing and Neal Hines, Washington State Department of Ecology (Ecology).
2. April 4, 2017. Conference Call discussing concentrations at AGW247-1. Attended by representatives of Boeing, Ecology, and Landau Associates, Inc. (LAI).
3. April 6, 2017. Email: Notification of Change of Project Manager for Auburn. From Carl Bach, Boeing, to Robin Harrover, Ecology.
4. April 13, 2017. Draft Technical Memorandum: Feasibility Study Work Plan Investigation Scope Summary. From Jennifer Wynkoop and Sarah Fees, LAI, to Neal Hines and Robin Harrover, Ecology.
5. April 13, 2017. Letter: June 2017 Groundwater Sampling Matrix and Sampling Collection Methods. From Jennifer Wynkoop, and Sarah Fees, LAI, to Neal Hines and Robin Harrover, Ecology.
6. April 14, 2017. Letter: Status Report No. 58, January Through March 2017 Activity Period, Boeing Auburn Facility, WAD 041337130, RCRA Corrective Action Agreed Order No. 01HWTRNR-3345. From Jennifer Wynkoop, LAI, to Robin Harrover, Ecology.

7. April 17, 2017. Email: VC action levels. From Jennifer Wynkoop, LAI, to Neal Hines, Ecology. (Attachment: previously submitted 2014 draft memo for using site-specific vapor intrusion groundwater screening levels.)
8. April 17, 2017. City of Algona Boeing Contamination News Listserv: Citizens Summary of Draft Remedial Investigation (RI) at the Boeing Auburn Fabrication Plant.
9. April 18, 2017. Ecology Listserv: Come to the Public Hearing – Boeing Auburn Groundwater Contamination Draft Remedial Investigation (RI) Report.
10. April 18, 2017. Letter: Passive Diffusion Sampling Comparison – December 2016, Boeing Auburn Facility, Auburn, Washington. From Sarah Fees and Jennifer Wynkoop, LAI, to Robin Harrover and Neal Hines, Ecology.
11. April 19, 2017. WebEx Meeting: Feasibility Study Work Plan Investigation Scope. Attended by representatives of Boeing, Ecology, and LAI (agenda and feasibility study work plan outline sent before the meeting.)
12. April 24, 2017. Email: ECY comments for FS outline. From Neal Hines, Ecology, to Carl Bach and James Bet, Boeing and Jennifer Wynkoop and Sarah Fees, LAI.
13. April 26, 2017. Email: Boeing reaching out on question about sampling Government Canal from Butte Ave in Pacific. From Tim Healy, Boeing, to Neal Hines and Thea Levkovitz, Ecology.
14. May 1, 2017. Email: March 23 Boeing Auburn Meeting Summary Debrief. From Thea Levkovitz, Ecology to representatives of Ecology, Boeing, and LAI (attachment: Open House Summary.)
15. May 4, 2017. Ecology Listserv: You can still send Ecology your comments about Boeing Auburn Investigation – through May 8, 2017.
16. May 8, 2017. Email: Ecology review and conditional approval of the proposed Boeing Auburn site's June 2017 Groundwater Sampling Matrix and Sampling Collection Methods. From Robin Harrover, Ecology, to Sarah Fees, LAI.
17. May 9, 2017. Ecology Listserv: Remedial Investigation Public Comment Period now closed.
18. May 17, 2017. Email: Boeing Auburn Public Hearing Summary. From Thea Levkovitz, Ecology to representatives of Boeing, Ecology, EnviroIssues, and LAI (attachment: Public Hearing Summary).
19. May 18, 2017. Email: Point of Contact for the Boeing Auburn investigation. From Neal Hines, Ecology, to Kevin Snyder, City of Auburn, and Carl Bach, Boeing.
20. May 22, 2017. Draft LAI Report: Agency Review Draft Feasibility Study Work Plan, Boeing Auburn Facility, Auburn, Washington.
21. May 25, 2017. Conference Call: June 2017 Groundwater Sampling Discussion. Attended by representatives of Boeing, Ecology, and LAI (agenda and feasibility study work plan outline sent before the meeting; Cyanide Analytical Matrix email sent).
22. May 30, 2017. Email: NA Assessment Monitoring Locations and Report. From Sarah Fees, LAI, to Robin Harrover and Neal Hines, Ecology.
23. May 30, 2017. Email: Boeing Fabrication Auburn Site - Status Report 58, Jan - Mar 2017. From Robin Harrover, Ecology, to representatives of City of Auburn, City of Algona, City of Pacific, and Washington State Department of Health.

24. June 1, 2017. Ecology Listserv: Look for Ecology at Auburn Kid's Day, June 23.
25. June 2, 2017. Email: Boeing Auburn: For samples for CN analysis. From Neal Hines, Ecology, to Carl Bach, Boeing, Jennifer Wynkoop and Sarah Fees, LAI.
26. June 5, 2017. Conference Call: Cyanide Analysis Discussion. Attended by representatives of Boeing, Ecology, and LAI.
27. June 5, 2017. Letter: Ecology comment regarding the Draft Algona Pilot Test Report, Boeing Auburn Facility; prepared for the Boeing Company by Landau Associates; March 1, 2017; FS #2018; CS #5049; EPA WAD041337130. From Neal Hines, Ecology, to Carl Bach, Boeing.
28. June 5, 2017. Email: AGW105 Well Closure. From Carl Bach, Boeing, to Neal Hines and Robin Harrover, Ecology (attachment: picture of damaged well).
29. June 8, 2017. Conference Call: Feasibility Study work discussion. Attended by representatives of Boeing, Ecology, and LAI.
30. June 8, 2017. Email: FS work plan approval for Bldg. 17-07. From Neal Hines, Ecology, to Carl Bach, Boeing.
31. June 9, 2017. Email: Boeing Auburn: Ecology approval for CN methods for groundwater samples. From Neal Hines, Ecology, to Carl Bach, Boeing.
32. June 9, 2017. Email: NA Assessment Monitoring Locations and Report. From Robin Harrover, Ecology, to Sarah Fees, LAI, and Neal Hines, Ecology.
33. June 13, 2017. Email: Boeing Auburn Site – Ecology approval of proposed FS sampling and analysis for AOCs A-01 and A-14: Former Building 17-03, Area 1 Southeast. From Robin Harrover, Ecology, to Jennifer Wynkoop, LAI.
34. June 28, 2017. Email: AGW247-1. From Jennifer Wynkoop, LAI, to Robin Harrover and Neal Hines, ECY (attachment: AGW247 Time Series Plots).

Work Conducted

General Site-wide Corrective Action Activities

On April 14, 2017, LAI submitted Status Report No. 58 regarding first quarter 2017 activities to Ecology and other stakeholders[1] for their records (Reference #6).

Ecology project managers, Robin Harrover and Neal Hines, continued to attend regularly scheduled monthly conference calls[2] with Boeing, LAI, and the City of Algona's environmental consultant, ICF International (ICF). The primary purpose of these calls is to discuss technical aspects of the project scope and schedule, data results, and public outreach. Boeing and Ecology communication personnel also attend these calls.

[1] A list of stakeholders that receive copies of the quarterly status reports are listed at the end of this document. Ecology also forwards quarterly status reports via email to representative of the cities of Algona, Auburn, and Pacific, and Washington State Department of Health (Reference #23).

[2] The April conference call was cancelled.

Remedial Investigation Report

The draft remedial investigation (RI) report for public comment was submitted to Ecology on February 21, 2017. The RI public comment period began on March 8, 2017 and was completed on May 8, 2017. Boeing anticipates receiving a responsiveness summary of public comments from Ecology and finalizing the RI report in the third quarter 2017.

Feasibility Study Investigation

A summary of the scope of the feasibility study (FS) field investigation was submitted to Ecology on April 13 (Reference #4). Additionally, a groundwater sampling matrix and explanation of new sampling methodologies for additional one-time FS sampling was submitted to Ecology (Reference #5). Boeing, LAI, and Ecology had a conference call to discuss the scope of the FS field investigation activities and the outline for the FS Report on April 19, 2017 (Reference #11). Ecology provided comments on the FS report outline on April 21, 2017 (Reference #12). Ecology provided conditional approval of the one-time FS sampling to be added to the June groundwater sampling event on May 8, 2017 (Reference #16). Boeing added some additional natural attenuation (NA) assessment locations to the June groundwater sampling event and sent a notification to Ecology about these additional locations on May 30, 2017 (Reference #22). Ecology provided approval of these additional locations on June 9, 2017 (Reference #32).

The FS work plan was submitted to Ecology on May 22 (Reference #20). Boeing, LAI, and Ecology had a number of conference calls to discuss details of the FS work plan including May 25, 2017 (Reference #21) and June 8 (Reference #29). In addition, there were a number of communications about the specific of the cyanide sampling methodology (Reference #25) and a cyanide specific conference call on June 5 (Reference #26). Ecology provided approval of the cyanide sampling methodology on June 9, 2017 (Reference #31).

Ecology agreed to provide approval of portions of the work plan so that field work for specific areas of concern (AOCs) investigations could start in mid-June. Ecology provided approval for the FS sub-slab soil vapor investigations on June 8, 2017 (Reference #30). Ecology provided approval for the soil gas sampling at former Building 17-03 and for AOC A-01 on June 13, 2017 (Reference #33). Boeing expects to receive full approval and finalize the work plan in the third quarter 2017.

FS field work investigation activities began on June 19, 2017 with concrete coring and installation of sub-slab soil gas monitoring points inside Building 17-07. Installation took place between June 19 and June 23, 2017. Sampling of these locations took place on June 28, 2017. Soil gas sampling at former Building 17-03 took place on June 26, 2017. Direct-push drilling with soil and groundwater sampling at AOC A-01 took place from June 28 through June 29, 2017. The remaining FS field investigation activities are anticipated to be completed in the third quarter 2017.

Groundwater Sampling

On April 4, 2017, Boeing, LAI, and Ecology had a conference call to discuss March groundwater sampling results at AGW247-1 (Reference #2). A follow-up email about vinyl chloride action levels was provided to Ecology on April 17, 2017 (Reference #7). Following the annual groundwater sampling event in June 2017, Boeing provided current vinyl chloride results and time series plots for the two channels at AGW247 to Ecology on June 28, 2017 (Reference #34).

Boeing converted the remaining set of monitoring wells planned for passive diffusion bag (PDB) sampling from low-flow to PDB sampling in December 2016. Boeing provided a letter summarizing the comparison of results from PDB sampling to low-flow sampling for the wells converted in December 2016 (Reference #10). This letter also summarized follow-up comparison results from a number of wells converted to PDB sampling in June 2016 and recommendations for wells that were not suitable for PDB sampling. These recommendations were implemented during the Phase VII (i.e., seven) annual groundwater sampling event.

The Phase VII annual groundwater sampling took place from May 30 through June 8, 2017. The annual groundwater sampling data are provided in Attachment 1. The current monitoring well network is presented on Figure 1-1. Sampling techniques by monitoring well are presented on Figure 1-2. The monitoring wells that have recently been sampled for the full suite of NA parameters are presented on Figure 1-3. A sampling matrix for the June 2017 annual sampling event is presented in Table 1-1. A complete summary of analytical results is presented in Table 1-2. Detected compounds are summarized in Table 1-3. In addition, Ecology requested an updated version of the Phase VII groundwater sampling matrix, this matrix is presented in Table 1-4.

Algona Enhanced Natural Attenuation Pilot Test

The enhanced NA pilot test injection began on August 18, 2015 and was completed on September 4, 2015. Approximately 80,000 gallons of electron donor solution was injected into the shallow water-bearing zone. Boeing is performing quarterly post-injection sampling to monitor the effectiveness of the pilot test injection. Boeing submitted a draft Algona Pilot Test report summarizing the first year of pilot test results to Ecology in March 2017. Ecology provided comments on the report on June 5, 2017 (Reference #27). Boeing plans to finalize this report in the third quarter 2017.

The June 2017 annual sampling event was the seventh quarterly sampling event following injection activities. A summary of results from the pilot test monitoring wells is provided in Attachment 2. The pilot test injection and monitoring well locations are presented on Figure 2-1. Pilot test data are summarized in Table 2-1.

Post injection data indicates enhanced bioremediation continues at eight wells consisting of three regularly monitored injection wells (IW34, IW36, and IW37) and five downgradient monitoring wells (AGW269, AGW270, AGW271, AGW240-5, and AGW275). The primary indications of enhanced

bioremediation consist of post-injection increases in total organic carbon (TOC) above baseline (<10 milligrams per liter [mg/L]), evidence of more reduced aquifer redox conditions, and changes in concentrations of trichloroethene (TCE), breakdown products, and/or end product. TOC concentrations continued to decrease from post-injection maximums but remained above baseline at the injection wells and at two downgradient, monitoring wells (AGW270 and AGW271). TOC at the injection wells ranged from 10.3 mg/L to 87.6 mg/L and TOC at the two downgradient wells ranged from 14.1 mg/L to 20.3 mg/L. TOC concentrations at the other downgradient monitoring wells (AGW240-5, AGW269, and AGW275) have declined back to baseline results following earlier post-injection increases; however, highly reducing aquifer conditions and ethene/ethane production continue.

For the first time in June 2017, evidence of enhanced bioremediation injections was also observed at downgradient well AGW244. TOC concentrations increased to 53.1 mg/L and transition to a more highly reduced aquifer redox condition is indicated by increased methane and decreased sulfate. VOCs are not detected at this well. The distance of this well from injection wells (900 ft) and the time of observed changes (640 days elapsed since injection) indicate an approximate average seepage velocity along this flow path of 1.5 ft/day.

Secondary effects of enhanced bioremediation have been observed at other wells post-injection. These secondary effects consist of increased methane concentrations and shifts in the concentrations of TCE, breakdown products, and/or end products without increases in TOC concentrations. These secondary indicators were observed at three downgradient monitoring wells AGW240-1, AGW273, and AGW274.

Changes in vinyl chloride concentrations and detections of end products ethene and/or ethane have been observed at all 12 wells discussed above, with primary indications and secondary effects of enhanced bioremediation listed above, except AGW244 where VOCs are not detected. Ethene and ethane, which indicate complete reductive dechlorination, were only detected at 3 of these 12 wells (AGW240-1, AGW240-5, and AGW274) during baseline sampling..

Communications

Ecology and Boeing are working together to ensure that all stakeholders are aware of the progress of investigation and cleanup activities at the Boeing Auburn site. The City of Algona continues to be notified of all fieldwork occurring in Algona. The City of Algona's consultant, ICF, continues to participate in project conference calls with Boeing and Ecology and continues to review Algona-related deliverables (e.g., work plans and reports).

Communications related to the public comment period for the RI report occurred during the second quarter 2017. The City of Algona provided a Citizens Summary of the Draft RI Report and distributed it on the City of Algona listserv on April 17, 2017 (Reference #8). Ecology posted several update notifications on their website about the public hearing (Reference #9) and the final days of the public

comment period (Reference #15) and the close of the public comment period (Reference #17). Ecology held two public comment period events, an open house on March 23 and a public comment period on April 25. Ecology provided summaries of the open house (Reference #14) and the public hearing (Reference #18). Other Ecology update notifications included notice that Ecology would be present at Auburn Kid's Day on June 23 (Reference #24).

During the public comment period, Ecology received a question from a resident of Pacific regarding Boeing activities at Government Canal (Reference #1). Ecology relayed this question to Boeing and Boeing followed-up with the individual. Boeing provided a summary of the discussion with this individual to Ecology on April 26, 2017 (Reference #13).

Building 17-06 Ongoing Monitoring

Boeing is continuing to monitor petroleum hydrocarbons in well AGW128 in Building 17-06. Free-phase product has continued to be detected in the well throughout the second quarter. Sorbent socks have been placed in the well to extract product and are replaced or checked and adjusted approximately monthly. Boeing will continue to replace the sorbent socks and check for product in the well regularly.

Building 17-06 Release Reporting

In April, Boeing encountered localized petroleum contamination in soil while conducting an excavation for a new machine foundation in Building 17-06 near column E18. Evidence of soil contamination was observed at the northeastern corner of former Mill 8 below a concrete joint. The concrete foundation of the mill extended approximately 6 feet (ft) below ground surface (bgs) and stained soil was observed on April 26, 2017, in the excavation sidewall just below the former foundation. The stained soil had a strong petroleum odor and a sheen was observed. Evidence of soil contamination appeared to be localized, extending from about 6 ft to 9 ft bgs and confined to an area about 1 to 2 ft in diameter. The excavation was extended down to the water table (about 11 ft bgs) and no staining or sheen was observed on the water table surface or adjacent soil. Additionally, no petroleum odor was observed in soil collected near the water table.

An excavator was used to remove the stained soil and surrounding soil to the extent practicable without undermining the adjacent floor and structures. Approximately 1 yard of soil was removed and disposed of at the subtitle D Roosevelt Regional Landfill, in Roosevelt, Washington. Some soil with evidence of contamination was left in place due to risk of undermining adjacent infrastructure. The area of remaining soil contamination appears to be localized and will be addressed in the future if additional excavation is feasible, or when the building is demolished.

On May 2, 2017, soil samples were collected from the excavation sidewall where stained soil was left in place (17-06-E18-8) at 8 ft bgs, and from the bottom of the excavation at approximately 11 ft bgs (17-06-E18-11). The two soil samples were analyzed by Lancaster Laboratories for diesel range

organics (DRO) and oil range organics (ORO) by Method NWTPH-Dx. Sample 17-06-E18-8 exceeded screening levels for both DRO and ORO at 8,400 milligrams per kilogram (mg/kg) and 43,000 mg/kg, respectively. Sample 17-06-E18-11 exceeded screening levels for ORO at 2,600 mg/kg. The release reporting results are provided in Attachment 3. Sample results are provided in Table 3-1. The excavation area and locations of the soil samples where contaminated soil remains in place are shown on Figure 3-1.

In accordance with the project release reporting guidelines[3], the release is considered a minor historical release and as such is documented in this quarterly report. Minor releases are those resulting in less than 10 cubic yards of impacted soil with no observed impact to groundwater or surface water. In accordance with the guidelines, this minor release documentation is provided in this quarterly report.

Occurrence of Problems

One of the wells along Perimeter Road (AGW105) was discovered damaged during groundwater sampling in June. The PVC casing inside the monument was shattered and during a camera scope, the well was determined to have collapsed approximately 2 ft below the surface. The cause of the damage is currently unknown. Boeing provided a summary of damage and a recommendation for the well to be decommissioned to Ecology on June 5, 2017 (Reference #28). The well is scheduled to be decommissioned during the third quarter 2017.

In addition, the PVC riser at AGW074 was discovered damaged during groundwater sampling. The well is scheduled to be repaired during the third quarter 2017.

Projected Work for Next Reporting Period July through September 2017

Activities projected for the next reporting period pertain to the feasibility study field work, Algona pilot test, reporting, and ongoing monitoring of groundwater and surface water. Tasks during third quarter 2017 are expected to include:

- Finalizing the 2016 RI report after the public comments are compiled and a responsiveness summary is prepared by Ecology
- Finalizing the FS work plan
- Finalizing the report on the first year of the Algona pilot test investigation
- Submitting a Site-wide natural attenuation assessment report
- Completing FS investigation activities
- Conducting the annual dry season surface water sampling event in September 2017

[3] LAI. 2009. Memorandum: Boeing Auburn Facility Corrective Action Release Reporting Guidelines. To James Bet, Boeing, from Eric Weber and Jennifer Wynkoop, Landau Associates, Inc. March 5.

- Conducting the quarterly groundwater sampling event in September 2017.

Other Significant Findings, Changes, and Contacts

Project contacts for Boeing have changed. Carl Bach with Boeing is the new project manager, taking over from James Bet. Carl Bach provided the necessary transition email as required under the Agreed Order on April 6, 2017 (Reference #3). Steven Tochko retired from Boeing on March 31, 2017; Brian Anderson replaced Steve as the interim manager of Boeing's environmental health and safety remediation group; however, a permanent manager, Kathryn Moxley, has been appointed and will assume the management position beginning July 1, 2017.

Project contacts for the City of Auburn have also changed. Chris Andersen left the City earlier in the year. Ecology provided contact information for Kevin Snyder at the City of Auburn on May 18, 2017 (reference #19). Additionally, Jenna Leonard, has assumed Chris Andersen's former position.

If you have any questions regarding this status report, or need any other information, please do not hesitate to contact Boeing or LAI.

LANDAU ASSOCIATES, INC.

Jennifer Wynkoop
Senior Associate Scientist

SEF/JWW/jrc
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cc: Carl Bach, Boeing (email only)
Megan Hilfer, Boeing (email only)
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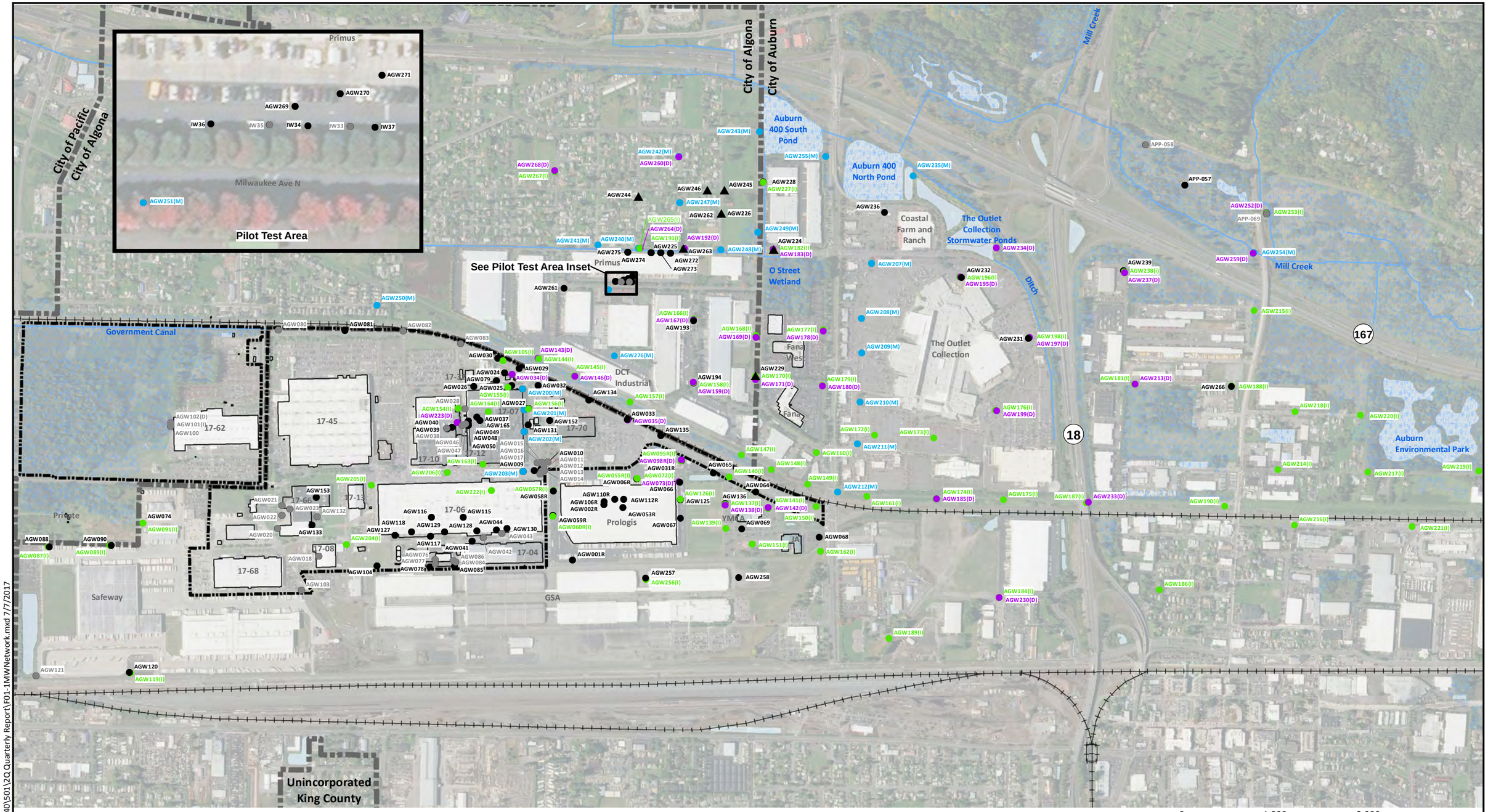
Kim Lemon, Prologis (email only)
Neal Hines, Ecology (email only)
Jason Berry, YMCA Auburn (email only)

Attachments: Attachment 1: Groundwater Sampling Results
Attachment 2: Pilot Test Results
Attachment 3: Building 17-06 Release Reporting

Attachment 1

Groundwater Sampling Results



Notes

1. Groundwater wells are identified by the AGW prefix. The designations behind the identifications indicate the zone. If there is no designation, the well is screened in the shallow zone. (I) = intermediate zone, (D) = deep zone, (M) = multi-level well; screens in multiple groundwater zones.
2. Well designations beginning with APP are installed and owned by WSDOT.
3. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Legend

- Offsite Water Table Well
- Shallow Monitoring Well (2 to 30 ft BGS)
- (I) Intermediate Monitoring Well (40 to 60 ft BGS)
- (D) Deep Monitoring Well (80 to 100 ft BGS)
- (M) Multi-Level Well
- Wells Not Currently Sampled
- Wetland Areas
- Water Bodies
- Waterways

N

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Scale in Feet

Base Map Source: Geometrix 2003; Parcel Data Source: King County 2015; Aerial Photo Source: Esri World Imagery.

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Boeing Auburn Auburn, Washington	**Current Monitoring Well Network**	Figure 1-1

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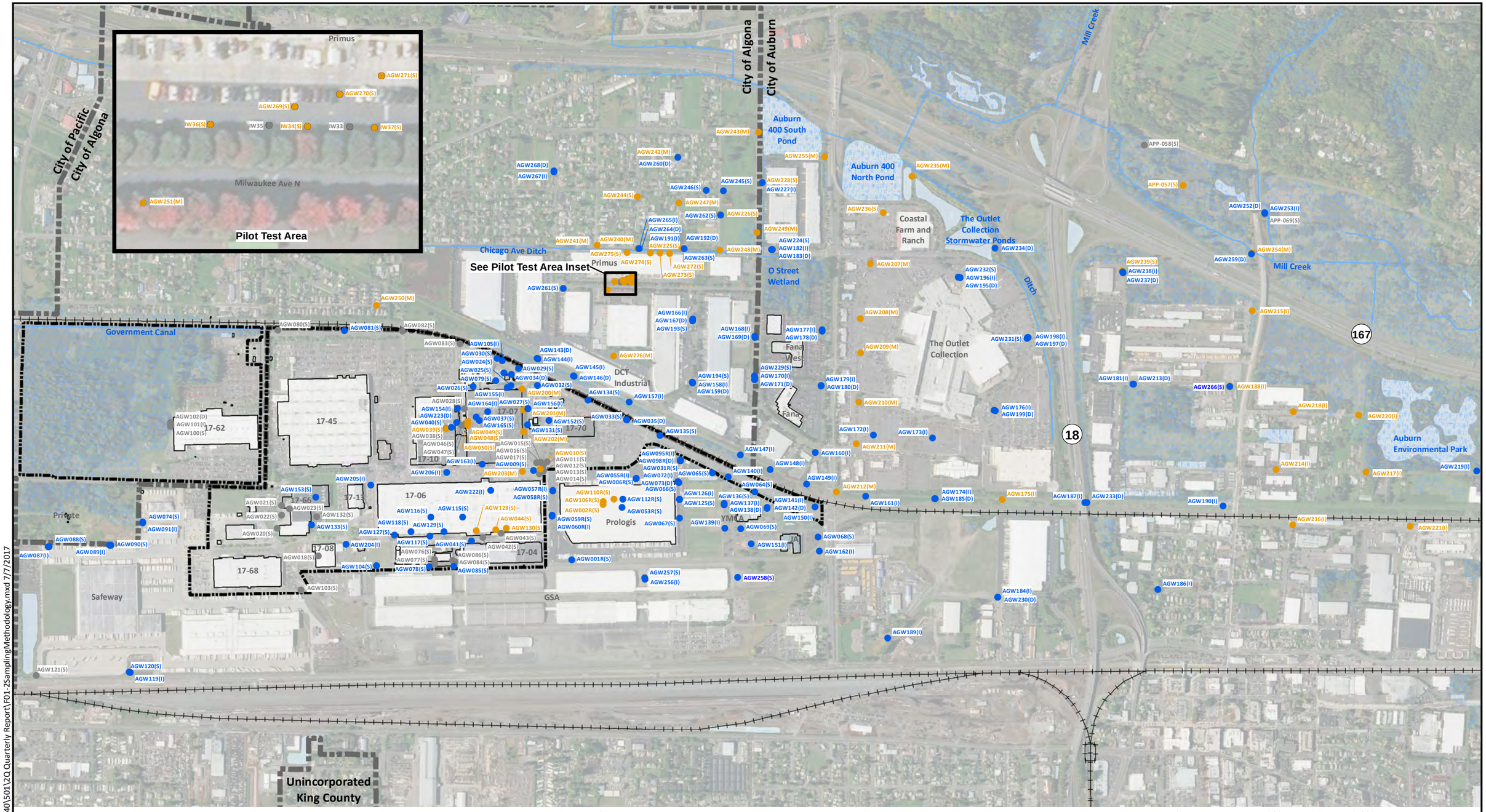

Notes

1. Groundwater wells are identified by the AGW prefix. The designations behind the identifications indicate the zone. If there is no designation, the well is screened in the shallow zone. (I) = intermediate zone, (D) = deep zone, (M) = multi-level well; screens in multiple groundwater zones.
2. Well designations beginning with APP are installed and owned by WSDOT.
3. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Legend

- Wells Sampled Using Low Flow Method
- Wells Sampled Using PDB Method
- Wells Not Currently Sampled
- Wetland Areas
- Water Bodies
- Waterways

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Scale in Feet

Base Map Source: Geometrix 2003; Parcel Data Source: King County 2015; Aerial Photo Source: Esri World Imagery.

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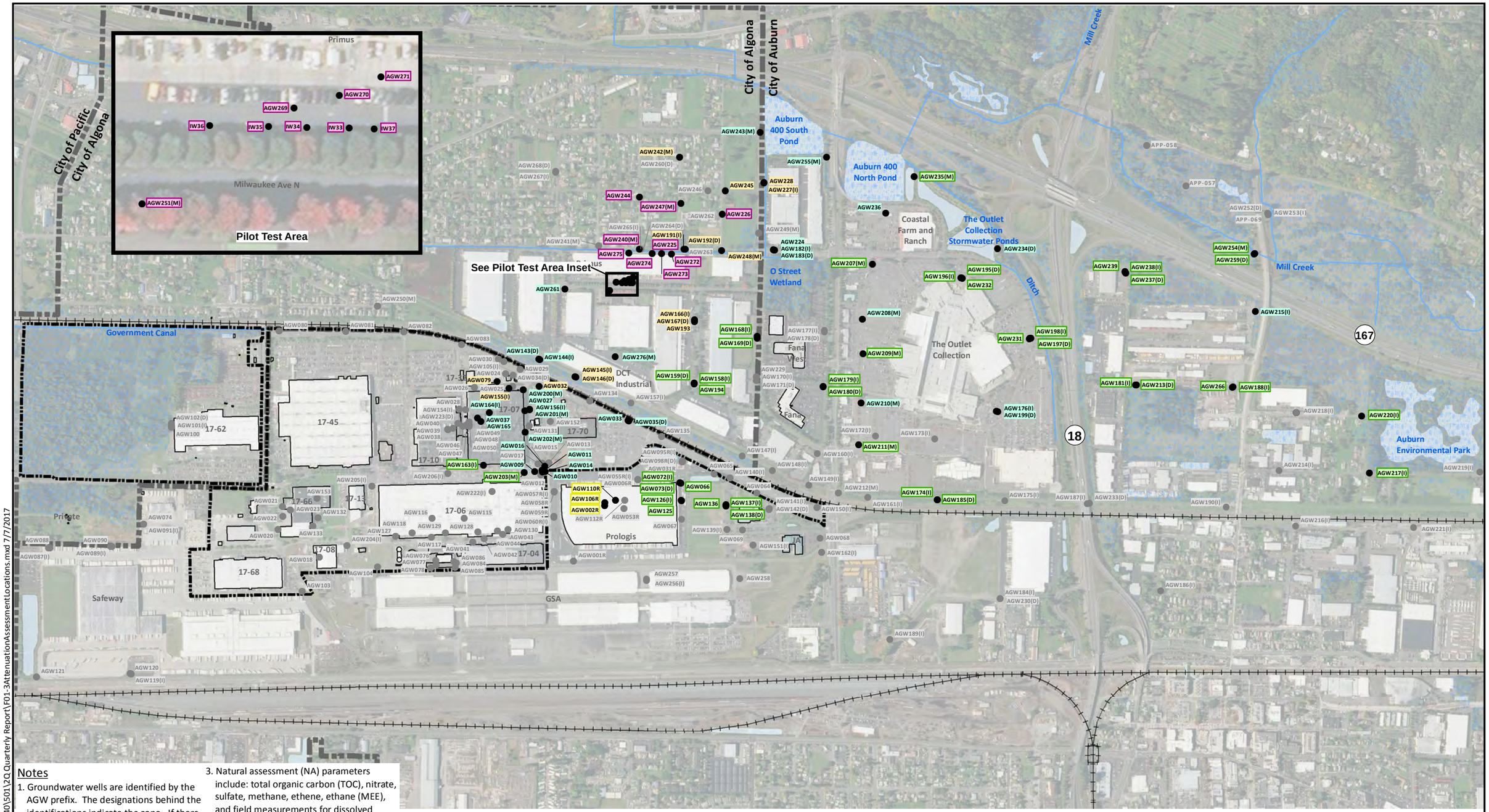
Boeing Auburn Auburn, Washington	**Sampling Methodology**	Figure 1-2



Notes

1. Groundwater wells are identified by the AGW prefix. The designations behind the identifications indicate the zone. If there is no designation, the well is screened in the shallow zone. (I) = intermediate zone, (D) = deep zone, (M) = multi-level well; screens in multiple groundwater zones.
2. Well designations beginning with APP are installed and owned by WSDOT.
3. Natural assessment (NA) parameters include: total organic carbon (TOC), nitrate, sulfate, methane, ethene, ethane (MEE), and field measurements for dissolved oxygen (DO), oxidation-reduction potential (ORP), and ferrous iron. Wells AGW009, AGW010, AGW011, AGW014, and AGW016 were analyzed for a shorter list of NA assessment parameters that did not include MEE.
4. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Legend

- NA Monitoring Well
- Other Monitoring Well
- Wetland Areas
- Water Bodies
- Waterways

- AGW032 December 2014 NA Assessment Locations
- AGW266 June 2016 NA Assessment Locations
- AGW270 Algona Pilot Test Baseline and Ongoing Monitoring Locations
- AGW110R Area 1 NA Assessment Locations
- AGW261 June 2017 NA Assessment Locations

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Scale in Feet

Base Map Source: Geometrix 2003; Parcel Data Source: King County 2015; Aerial Photo Source: Esri World Imagery.

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Boeing Auburn Auburn, Washington	**Natural Attenuation Assessment Monitoring Locations**	Figure 1-3

Table 1-1
2Q2017 Groundwater Sample Matrix
Boeing Auburn Facility
Auburn, Washington

Sample Location	Field Sample ID	Sample Date	Sample Type	Laboratory SDG	Laboratory Sample ID	Total Cyanide by ASTM D-7511	Metals by EPA 200.8	Sulfate by EPA 300.0	Nitrate by EPA 300.0	TPH-D by NWTPH-Dx	TPH-G by NWTPH-Gx	MEE by RSK-175	TOC by SM 5310C	BTEX by SW-846 8260C	VOCs by SW-846 8260C	VC by SW-846 8260C SIM
AGW001R	AGW001R-20170607	6/7/2017	PDN	1811697	9040273										X	X
AGW002R	AGW002R-20170606	6/6/2017	N	1810943	9037231/9037232			X				X	X		X	X
AGW006R	AGW006R-20170608	6/8/2017	PDN	1811902	9041318										X	X
AGW009	AGW009-20170605	6/5/2017	N	1809300	9029156			X	X	X	X		X		X	X
AGW010	AGW010-20170605	6/5/2017	N	1809300	9029154			X	X	X	X		X		X	X
AGW010	AGW900-20170605	6/5/2017	FD	1809300	9029157			X	X	X	X		X		X	X
AGW011	AGW011-20170605	6/5/2017	N	1809300	9029155			X	X	X	X		X	X		
AGW014	AGW014-20170605	6/5/2017	N	1809300	9029152			X	X	X	X		X	X		
AGW016	AGW016-20170605	6/5/2017	N	1809300	9029153			X	X	X	X		X	X		
AGW024	AGW024-20170530	5/30/2017	PDN	1807964	9023558										X	
AGW025	AGW025-20170530	5/30/2017	PDN	1807964	9023559										X	
AGW026	AGW026-20170530	5/30/2017	PDN	1807964	9023560										X	X
AGW027	AGW027-20170530	5/30/2017	PDN (a)	1807294	9021010/9021011			X	X			X	X		X	X
AGW029	AGW029-20170608	6/8/2017	PDN	1811902	9041315										X	X
AGW030	AGW030-20170608	6/8/2017	PDN	1811902	9041307										X	X
AGW031R	AGW031R-20170608	6/8/2017	PDN	1811903	9041331										X	X
AGW032	AGW032-20170530	5/30/2017	PDN	1807964	9023561										X	X
AGW033	AGW033-20170601	6/1/2017	PDN (a)	1808477	9025661/9025662			X	X			X	X		X	X
AGW034	AGW034-20170530	5/30/2017	PDN	1807964	9023562										X	X
AGW035	AGW035-20170601	6/1/2017	PDN (a)	1808477	9025659/9025660			X	X			X	X		X	X
AGW037	AGW037-20170530	5/30/2017	PDN (a)	1807294	9021008/9021009			X	X			X	X		X	X
AGW039	AGW039-20170606	6/6/2017	N	1810943	9037227/9037228		X								X	X
AGW040	AGW040-20170606	6/6/2017	PDN	1810943	9037226										X	X
AGW041	AGW041-20170602	6/2/2017	PDN	1808897	9027509										X	X
AGW044	AGW044-20170531	5/31/2017	N	1808560	9026047					X					X	X
AGW047	AGW047-20170606	6/6/2017	N	1810943	9037236	X										
AGW048	AGW048-20170606	6/6/2017	N	1810943	9037218/9037219	X	X									
AGW048	AGW901-20170606	6/6/2017	FD	1810943	9037220/9037221	X	X									
AGW049	AGW049-20170606	6/6/2017	N	1810943	9037222/9037223	X	X									
AGW050	AGW050-20170606	6/6/2017	N	1810943	9037224/9037225	X	X									
AGW053R	AGW053R-20170606	6/6/2017	PDN	1810943	9037233										X	X
AGW055R	AGW055R-20170608	6/8/2017	PDN	1811902	9041319										X	X
AGW057R	AGW057R-20170607	6/7/2017	PDN	1811697	9040274										X	X
AGW058R	AGW058R-20170607	6/7/2017	PDN	1811697	9040275										X	X
AGW059R	AGW059R-20170607	6/7/2017	PDN	1811697	9040276										X	X
AGW060R	AGW060R-20170607	6/7/2017	PDN	1811697	9040277										X	X
AGW064	AGW064-20170602	6/2/2017	PDN	1808897	9027513										X	X
AGW065	AGW065-20170608	6/8/2017	PDN	1811902	9041311										X	X
AGW066	AGW066-20170608	6/8/2017	PDN	1811903	9041335										X	X
AGW067	AGW067-20170607	6/7/2017	PDN	1811697	9040278										X	X
AGW068	AGW068-20170602	6/2/2017	PDN	1808897	9027517										X	X
AGW069	AGW069-20170602	6/2/2017	PDN	1808897	9027522										X	X
AGW072	AGW072-20170608	6/8/2017	PDN	1811902	9041316										X	X
AGW073	AGW073-20170608	6/8/2017	PDN	1811902	9041317										X	X
AGW074	AGW074-20170608	6/8/2017	PDN	1811902	9041310										X	X

Table 1-1
2Q2017 Groundwater Sample Matrix
Boeing Auburn Facility
Auburn, Washington

Sample Location	Field Sample ID	Sample Date	Sample Type	Laboratory SDG	Laboratory Sample ID	Total Cyanide by ASTM D-7511	Metals by EPA 200.8	Sulfate by EPA 300.0	Nitrate by EPA 300.0	TPH-D by NWTPH-Dx	TPH-G by NWTPH-Gx	MEE by RSK-175	TOC by SM 5310C	BTEX by SW-846 8260C	VOCs by SW-846 8260C	VC by SW-846 8260C SIM
AGW078	AGW078-20170530	5/30/2017	PDN	1807964	9023563										X	X
AGW079	AGW079-20170530	5/30/2017	PDN	1807964	9023564										X	
AGW081	AGW081-20170602	6/2/2017	PDN	1808895	9027502										X	X
AGW085	AGW085-20170531	5/31/2017	PDN	1808562	9026062										X	X
AGW087	AGW087-20170608	6/8/2017	PDN	1811904	9041350										X	X
AGW088	AGW088-20170608	6/8/2017	PDN	1811904	9041349										X	X
AGW089	AGW089-20170608	6/8/2017	PDN	1811904	9041352										X	X
AGW090	AGW090-20170608	6/8/2017	PDN	1811904	9041351										X	X
AGW091	AGW091-20170608	6/8/2017	PDN	1811904	9041353										X	X
AGW095R	AGW095R-20170608	6/8/2017	PDN	1811903	9041332										X	X
AGW098R	AGW098R-20170608	6/8/2017	PDN	1811903	9041333										X	X
AGW098R	AGW902-20170608	6/8/2017	PDFD	1811903	9041334										X	X
AGW104	AGW104-20170530	5/30/2017	PDN	1807964	9023565										X	X
AGW106R	AGW106R-20170606	6/6/2017	N	1810943	9037229/9037230			X				X	X		X	X
AGW110R	AGW110R-20170607	6/7/2017	N	1811687	9040241/9040242			X				X	X		X	X
AGW110R	AGW903-20170607	6/7/2017	FD	1811687	9040239/9040240			X				X	X		X	X
AGW112R	AGW112R-20170606	6/6/2017	PDN	1810943	9037234										X	X
AGW115	AGW115-20170531	5/31/2017	PDN	1808562	9026061										X	X
AGW116	AGW116-20170531	5/31/2017	PDN	1808562	9026058										X	X
AGW117	AGW117-20170601	6/1/2017	PDN	1808867	9027383										X	X
AGW118	AGW118-20170531	5/31/2017	PDN	1808562	9026059										X	X
AGW119	AGW119-20170608	6/8/2017	PDN	1811902	9041309										X	X
AGW120	AGW120-20170608	6/8/2017	PDN	1811902	9041308										X	X
AGW125	AGW125-20170608	6/8/2017	PDN	1811904	9041355										X	X
AGW126	AGW126-20170608	6/8/2017	PDN	1811904	9041354										X	X
AGW127	AGW127-20170602	6/2/2017	PDN	1808897	9027510										X	X
AGW128	AGW128-20170531	5/31/2017	N	1808560	9026048					X					X	X
AGW129	AGW129-20170531	5/31/2017	PDN	1808562	9026060										X	X
AGW130	AGW130-20170531	5/31/2017	N	1808562	9026056					X					X	X
AGW131	AGW131-20170530	5/30/2017	PDN	1807964	9023566										X	
AGW133	AGW133-20170530	5/30/2017	PDN	1807964	9023567										X	X
AGW134	AGW134-20170608	6/8/2017	PDN	1811902	9041314										X	X
AGW135	AGW135-20170608	6/8/2017	PDN	1811902	9041313										X	X
AGW136	AGW136-20170602	6/2/2017	PDN	1808897	9027518										X	X
AGW137	AGW137-20170602	6/2/2017	PDN	1808897	9027519										X	X
AGW138	AGW138-20170602	6/2/2017	PDN	1808897	9027520										X	X
AGW139	AGW139-20170602	6/2/2017	PDN	1808897	9027521										X	X
AGW140	AGW140-20170608	6/8/2017	PDN	1811902	9041312										X	X
AGW141	AGW141-20170602	6/2/2017	PDN	1808897	9027516										X	X
AGW142	AGW142-20170602	6/2/2017	PDN	1808897	9027515										X	X
AGW143	AGW143-20170531	5/31/2017	PDN (a)	1807961	9023537/9023538			X	X			X	X		X	X
AGW144	AGW144-20170531	5/31/2017	PDN (a)	1807961	9023539/9023540			X	X			X	X		X	X
AGW145	AGW145-20170607	6/7/2017	PDN	1811699	9040289										X	
AGW146	AGW146-20170607	6/7/2017	PDN	1811699	9040290										X	X
AGW147	AGW147-20170607	6/7/2017	PDN	1811699	9040292										X	X

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Boeing Auburn Facility
Auburn, Washington

Sample Location	Field Sample ID	Sample Date	Sample Type	Laboratory SDG	Laboratory Sample ID	Total Cyanide by ASTM D-7511	Metals by EPA 200.8	Sulfate by EPA 300.0	Nitrate by EPA 300.0	TPH-D by NWTPH-Dx	TPH-G by NWTPH-Gx	MEE by RSK-175	TOC by SM 5310C	BTEX by SW-846 8260C	VOCs by SW-846 8260C	VC by SW-846 8260C SIM
AGW148	AGW148-20170607	6/7/2017	PDN	1811699	9040293										X	X
AGW149	AGW149-20170607	6/7/2017	PDN	1811699	9040294										X	X
AGW150	AGW150-20170602	6/2/2017	PDN	1808897	9027512										X	X
AGW151	AGW151-20170602	6/2/2017	PDN	1808897	9027514										X	X
AGW152	AGW152-20170530	5/30/2017	PDN	1807964	9023568										X	
AGW153	AGW153-20170602	6/2/2017	PDN	1808897	9027511										X	X
AGW154	AGW154-20170530	5/30/2017	PDN	1807964	9023569										X	X
AGW155	AGW155-20170530	5/30/2017	PDN	1807964	9023570										X	
AGW156	AGW156-20170530	5/30/2017	PDN (a)	1807294	9021012/9021013			X	X			X	X		X	
AGW157	AGW157-20170607	6/7/2017	PDN	1811699	9040291										X	X
AGW158	AGW158-20170602	6/2/2017	PDN	1808894	9027485										X	X
AGW159	AGW159-20170602	6/2/2017	PDN	1808894	9027486										X	X
AGW160	AGW160-20170607	6/7/2017	PDN	1811699	9040288										X	X
AGW161	AGW161-20170606	6/6/2017	PDN	1810788	9036309										X	X
AGW162	AGW162-20170608	6/8/2017	PDN	1811902	9041306										X	X
AGW163	AGW163-20170601	6/1/2017	PDN	1808867	9027380										X	X
AGW163	AGW904-20170601	6/1/2017	PDFD	1808867	9027381										X	X
AGW164	AGW164-20170530	5/30/2017	PDN (a)	1807294	9021004/9021005			X	X			X	X		X	X
AGW165	AGW165-20170530	5/30/2017	PDN (a)	1807294	9021006/9021007			X	X			X	X		X	X
AGW166	AGW166-20170602	6/2/2017	PDN	1808894	9027489										X	X
AGW167	AGW167-20170602	6/2/2017	PDN	1808894	9027488										X	X
AGW168	AGW168-20170608	6/8/2017	PDN	1811903	9041326										X	X
AGW169	AGW169-20170608	6/8/2017	PDN	1811903	9041327										X	X
AGW170	AGW170-20170608	6/8/2017	PDN	1811903	9041329										X	X
AGW171	AGW171-20170608	6/8/2017	PDN	1811903	9041330										X	X
AGW172	AGW172-20170608	6/8/2017	PDN	1811904	9041339										X	X
AGW173	AGW173-20170608	6/8/2017	PDN	1811904	9041340										X	X
AGW174	AGW174-20170605	6/5/2017	PDN	1810233	9033828										X	X
AGW175	AGW175-20170605	6/5/2017	N	1810233	9033824										X	X
AGW176	AGW176-20170601	6/1/2017	PDN (a)	1808477	9025655/9025656			X	X			X	X		X	X
AGW177	AGW177-20170608	6/8/2017	PDN	1811904	9041347										X	X
AGW178	AGW178-20170608	6/8/2017	PDN	1811904	9041348										X	X
AGW179	AGW179-20170608	6/8/2017	PDN	1811903	9041336										X	X
AGW180	AGW180-20170608	6/8/2017	PDN	1811903	9041337										X	X
AGW181	AGW181-20170607	6/7/2017	PDN	1811699	9040286										X	X
AGW182	AGW182-20170530	5/30/2017	PDN (a)	1807299	9021041/9021042			X	X			X	X		X	X
AGW183	AGW183-20170530	5/30/2017	PDN (a)	1807299	9021037/9021038			X	X			X	X		X	X
AGW184	AGW184-20170607	6/7/2017	PDN	1811697	9040266										X	X
AGW185	AGW185-20170605	6/5/2017	PDN	1810233	9033827										X	X
AGW186	AGW186-20170607	6/7/2017	PDN	1811697	9040265										X	X
AGW187	AGW187-20170605	6/5/2017	PDN	1810233	9033826										X	X
AGW188	AGW188-20170607	6/7/2017	N	1811699	9040284										X	X
AGW189	AGW189-20170607	6/7/2017	PDN	1811697	9040268										X	X
AGW190	AGW190-20170607	6/7/2017	PDN	1811699	9040287										X	X
AGW191	AGW191-20170607	6/7/2017	PDN	1811687	9040243										X	X

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2Q2017 Groundwater Sample Matrix
Boeing Auburn Facility
Auburn, Washington

Sample Location	Field Sample ID	Sample Date	Sample Type	Laboratory SDG	Laboratory Sample ID	Total Cyanide by ASTM D-7511	Metals by EPA 200.8	Sulfate by EPA 300.0	Nitrate by EPA 300.0	TPH-D by NWTPH-Dx	TPH-G by NWTPH-Gx	MEE by RSK-175	TOC by SM 5310C	BTEX by SW-846 8260C	VOCs by SW-846 8260C	VC by SW-846 8260C SIM
AGW192	AGW192-20170607	6/7/2017	PDN	1811687	9040245										X	X
AGW192	AGW906-20170607	6/7/2017	PDFD	1811687	9040244										X	X
AGW193	AGW193-20170602	6/2/2017	PDN	1808894	9027487										X	X
AGW194	AGW194-20170602	6/2/2017	PDN	1808894	9027484										X	X
AGW195	AGW195-20170608	6/8/2017	PDN	1811904	9041345										X	X
AGW196	AGW196-20170608	6/8/2017	PDN	1811904	9041344										X	
AGW197	AGW197-20170608	6/8/2017	PDN	1811904	9041341										X	X
AGW198	AGW198-20170608	6/8/2017	PDN	1811904	9041342										X	X
AGW199	AGW199-20170601	6/1/2017	PDN (a)	1808477	9025657/9025658			X	X			X	X		X	X
AGW200-2	AGW200-2-30-20170531	5/31/2017	N	1807956	9023519/9023520			X	X			X	X		X	
AGW200-5	AGW200-5-60-20170531	5/31/2017	N	1807956	9023521/9023522			X	X			X	X		X	
AGW200-6	AGW200-6-80-20170531	5/31/2017	N	1807956	9023523/9023524			X	X			X	X		X	
AGW201-2	AGW201-2-30-20170531	5/31/2017	N	1807961	9023547/9023548			X	X			X	X		X	
AGW201-5	AGW201-5-60-20170531	5/31/2017	N	1807961	9023545/9023546			X	X			X	X		X	
AGW201-6	AGW201-6-80-20170531	5/31/2017	N	1807961	9023543/9023544			X	X			X	X		X	X
AGW202-2	AGW202-2-30-20170601	6/1/2017	N	1808481	9025750/9025751			X	X			X	X		X	X
AGW202-4	AGW202-4-51-20170601	6/1/2017	N	1808481	9025752/9025753			X	X			X	X		X	
AGW202-6	AGW202-6-81-20170601	6/1/2017	N	1808481	9025754/9025755			X	X			X	X		X	X
AGW203-2	AGW203-2-30-20170601	6/1/2017	N	1808867	9027382										X	X
AGW203-4	AGW203-4-49-20170601	6/1/2017	N	1808867	9027384										X	X
AGW203-6	AGW203-6-80-20170602	6/2/2017	N	1808895	9027491										X	X
AGW204	AGW204-20170530	5/30/2017	PDN	1807964	9023571										X	X
AGW205	AGW205-20170530	5/30/2017	PDN	1807964	9023572										X	X
AGW206	AGW206-20170530	5/30/2017	PDN	1807964	9023573										X	X
AGW207-2	AGW207-2-30-20170602	6/2/2017	N	1808895	9027496										X	X
AGW207-4	AGW207-4-49-20170602	6/2/2017	N	1808895	9027497										X	X
AGW207-4	AGW908-20170602	6/2/2017	FD	1808895	9027492										X	X
AGW207-7	AGW207-7-80-20170602	6/2/2017	N	1808895	9027498										X	X
AGW208-2	AGW208-2-29-20170601	6/1/2017	N	1808481	9025744/9025745			X	X			X	X		X	
AGW208-4	AGW208-4-49-20170601	6/1/2017	N	1808481	9025746/9025747			X	X			X	X		X	X
AGW208-6	AGW208-6-80-20170601	6/1/2017	N	1808481	9025748/9025749			X	X			X	X		X	X
AGW209-2	AGW209-2-30-20170602	6/2/2017	N	1808895	9027499										X	
AGW209-5	AGW209-5-60-20170602	6/2/2017	N	1808895	9027500										X	X
AGW209-6	AGW209-6-80-20170602	6/2/2017	N	1808895	9027501										X	X
AGW210-2	AGW210-2-30-20170601	6/1/2017	N	1808481	9025738/9025739			X	X			X	X		X	X
AGW210-5	AGW210-5-60-20170601	6/1/2017	N	1808481	9025740/9025741			X	X			X	X		X	X
AGW210-6	AGW210-6-80-20170601	6/1/2017	N	1808481	9025742/9025743			X	X			X	X		X	X
AGW211-2	AGW211-2-30-20170605	6/5/2017	N	1810233	9033818										X	X
AGW211-5	AGW211-5-60-20170605	6/5/2017	N	1810233	9033819										X	X
AGW211-6	AGW211-6-80-20170605	6/5/2017	N	1810233	9033820										X	X
AGW212-2	AGW212-2-30-20170605	6/5/2017	N	1810233	9033821										X	X
AGW212-5	AGW212-5-60-20170605	6/5/2017	N	1810233	9033822										X	X
AGW212-7	AGW212-7-100-20170605	6/5/2017	N	1810233	9033823										X	X
AGW213	AGW213-20170607	6/7/2017	PDN	1811699	9040285										X	X
AGW214	AGW214-20170606	6/6/2017	N	1810788	9036302										X	X

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Boeing Auburn Facility
Auburn, Washington

Sample Location	Field Sample ID	Sample Date	Sample Type	Laboratory SDG	Laboratory Sample ID	Total Cyanide by ASTM D-7511	Metals by EPA 200.8	Sulfate by EPA 300.0	Nitrate by EPA 300.0	TPH-D by NWTPH-Dx	TPH-G by NWTPH-Gx	MEE by RSK-175	TOC by SM 5310C	BTEX by SW-846 8260C	VOCs by SW-846 8260C	VC by SW-846 8260C SIM
AGW215	AGW215-20170601	6/1/2017	N	1808477	9025651/9025652			X	X			X	X		X	X
AGW216	AGW216-20170608	6/8/2017	N	1811902	9041305										X	X
AGW217	AGW217-20170606	6/6/2017	N	1810788	9036301										X	X
AGW218	AGW218-20170606	6/6/2017	N	1810788	9036304										X	X
AGW219	AGW219-20170606	6/6/2017	PDN	1810788	9036306										X	X
AGW220	AGW220-20170606	6/6/2017	N	1810788	9036303										X	X
AGW221	AGW221-20170607	6/7/2017	N	1811697	9040263										X	X
AGW221	AGW905-20170607	6/7/2017	FD	1811697	9040264										X	X
AGW222	AGW222-20170531	5/31/2017	PDN	1808562	9026057										X	X
AGW223	AGW223-20170530	5/30/2017	PDN	1807964	9023574										X	X
AGW224	AGW224-20170530	5/30/2017	PDN (a)	1807299	9021035/9021036			X	X			X	X		X	X
AGW224	AGW909-20170530	5/30/2017	PDFD (a)	1807299	9021039/9021040			X	X			X	X		X	X
AGW225	AGW225-20170607	6/7/2017	N	1811687	9040247/9040248			X				X	X		X	X
AGW226	AGW226-20170606	6/6/2017	N	1810786	9036293/9036294			X				X	X		X	X
AGW227	AGW227-20170608	6/8/2017	PDN	1811903	9041322										X	X
AGW228	AGW228-20170607	6/7/2017	N	1811684	9040228										X	X
AGW229	AGW229-20170608	6/8/2017	PDN	1811903	9041328										X	X
AGW230	AGW230-20170607	6/7/2017	PDN	1811697	9040267										X	X
AGW231	AGW231-20170608	6/8/2017	PDN	1811904	9041343										X	
AGW232	AGW232-20170608	6/8/2017	PDN	1811904	9041346										X	
AGW233	AGW233-20170605	6/5/2017	PDN	1810233	9033825										X	X
AGW234	AGW234-20170601	6/1/2017	PDN (a)	1808477	9025653/9025654			X	X			X	X		X	X
AGW235-2	AGW235-2-19-20170602	6/2/2017	N	1808895	9027495										X	X
AGW235-4	AGW235-4-39-20170602	6/2/2017	N	1808895	9027494										X	X
AGW235-7	AGW235-7-71-20170602	6/2/2017	N	1808895	9027493										X	X
AGW236	AGW236-20170531	5/31/2017	N	1807961	9023541/9023542			X	X			X	X		X	X
AGW237	AGW237-20170606	6/6/2017	PDN	1810788	9036308										X	X
AGW238	AGW238-20170606	6/6/2017	PDN	1810788	9036307										X	X
AGW239	AGW239-20170606	6/6/2017	N	1810788	9036305										X	X
AGW240-1	AGW240-1-7-20170606	6/6/2017	N	1810786	9036285/9036286			X				X	X		X	X
AGW240-5	AGW240-5-28-20170606	6/6/2017	N	1810786	9036287/9036288			X				X	X		X	X
AGW240-5	AGW910-20170606	6/6/2017	FD	1810786	9036289/9036290			X				X	X		X	X
AGW241-1	AGW241-1-6-20170606	6/6/2017	N	1810786	9036283										X	X
AGW241-5	AGW241-5-27-20170606	6/6/2017	N	1810786	9036284										X	X
AGW242-1	AGW242-1-6-20170605	6/5/2017	N	1809998	9033242										X	X
AGW242-2	AGW242-2-16-20170606	6/6/2017	N	1810786	9036281										X	X
AGW242-5	AGW242-5-60-20170606	6/6/2017	N	1810786	9036282										X	X
AGW243-1	AGW243-1-6-20170530	5/30/2017	N	1807299	9021029/9021030			X	X			X	X		X	X
AGW243-3	AGW243-3-25-20170530	5/30/2017	N	1807299	9021031/9021032			X	X			X	X		X	X
AGW243-5	AGW243-5-50-20170530	5/30/2017	N	1807299	9021033/9021034			X	X			X	X		X	X
AGW244	AGW244-20170605	6/5/2017	N	1809998/1821845	9033238/9087974			X	X			X	X		X	X
AGW245	AGW245-20170608	6/8/2017	PDN	1811903	9041323										X	X
AGW246	AGW246-20170608	6/8/2017	PDN	1811903	9041325										X	X
AGW247-1	AGW247-1-6-20170605	6/5/2017	N	1809998/1821845	9033235/9087971			X				X	X		X	X
AGW247-5	AGW247-5-27-20170605	6/5/2017	N	1809998/1821845	9033236/9087972			X				X	X		X	X

Table 1-1
2Q2017 Groundwater Sample Matrix
Boeing Auburn Facility
Auburn, Washington

Sample Location	Field Sample ID	Sample Date	Sample Type	Laboratory SDG	Laboratory Sample ID	Total Cyanide by ASTM D-7511	Metals by EPA 200.8	Sulfate by EPA 300.0	Nitrate by EPA 300.0	TPH-D by NWTPH-Dx	TPH-G by NWTPH-Gx	MEE by RSK-175	TOC by SM 5310C	BTEX by SW-846 8260C	VOCs by SW-846 8260C	VC by SW-846 8260C SIM
AGW247-5	AGW911-20170605	6/5/2017	FD	1809998/1821845	9033237/9087973			X				X	X		X	X
AGW248-1	AGW248-1-5-20170606	6/6/2017	N	1810786	9036291										X	X
AGW248-5	AGW248-5-26-20170606	6/6/2017	N	1810786	9036292										X	X
AGW249-1	AGW249-1-8-20170605	6/5/2017	N	1809998	9033239										X	X
AGW249-5	AGW249-5-29-20170605	6/5/2017	N	1809998	9033240										X	X
AGW250-1	AGW250-1-9-20170607	6/7/2017	N	1811684	9040217										X	X
AGW250-2	AGW250-2-26-20170607	6/7/2017	N	1811684	9040218										X	X
AGW250-3	AGW250-3-41-20170607	6/7/2017	N	1811684	9040219										X	X
AGW250-6	AGW250-6-81-20170607	6/7/2017	N	1811684	9040220										X	X
AGW251-1	AGW251-1-8-20170607	6/7/2017	N	1811684	9040221/9040222			X				X	X		X	X
AGW251-2	AGW251-2-25-20170607	6/7/2017	N	1811684	9040223/9040224			X				X	X		X	X
AGW251-3	AGW251-3-40-20170607	6/7/2017	N	1811684	9040225/9040226			X				X	X		X	X
AGW251-6	AGW251-6-76-20170607	6/7/2017	N	1811684	9040227										X	X
AGW252	AGW252-20170607	6/7/2017	PDN	1811699	9040282										X	X
AGW253	AGW253-20170607	6/7/2017	PDN	1811699	9040283										X	X
AGW254-1	AGW254-1-6-20170606	6/6/2017	N	1810788	9036297										X	X
AGW254-2	AGW254-2-20-20170606	6/6/2017	N	1810788	9036298										X	X
AGW254-5	AGW254-5-50-20170606	6/6/2017	N	1810788	9036299										X	X
AGW255-1	AGW255-1-13-20170531	5/31/2017	N	1807956	9023513/9023514			X	X			X	X		X	X
AGW255-1	AGW912-20170531	5/31/2017	FD	1807956	9023511/9023512			X	X			X	X		X	X
AGW255-3	AGW255-3-30-20170531	5/31/2017	N	1807956	9023515/9023516			X	X			X	X		X	X
AGW255-5	AGW255-5-55-20170531	5/31/2017	N	1807956	9023517/9023518			X	X			X	X		X	X
AGW256	AGW256-20170607	6/7/2017	PDN	1811697	9040269										X	X
AGW257	AGW257-20170607	6/7/2017	PDN	1811697	9040270										X	X
AGW257	AGW907-20170607	6/7/2017	PDFD	1811697	9040271										X	X
AGW258	AGW258-20170607	6/7/2017	PDN	1811697	9040272										X	X
AGW259	AGW259-20170606	6/6/2017	PDN	1810788	9036300										X	X
AGW260	AGW260-20170605	6/5/2017	PDN	1809998	9033241										X	X
AGW261	AGW261-20170531	5/31/2017	PDN (a)	1807953	9023505/9023506			X	X			X	X		X	X
AGW262	AGW262-20170608	6/8/2017	PDN	1811903	9041324										X	X
AGW263	AGW263-20170607	6/7/2017	PDN	1811687	9040246										X	X
AGW264	AGW264-20170602	6/2/2017	PDN	1808894	9027482										X	X
AGW265	AGW265-20170602	6/2/2017	PDN	1808894	9027483										X	X
AGW266	AGW266-20170607	6/7/2017	PDN	1811699	9040296										X	X
AGW267	AGW267-20170602	6/2/2017	PDN	1808894	9027480										X	X
AGW268	AGW268-20170602	6/2/2017	PDN	1808894	9027481										X	X
AGW269	AGW269-20170601	6/1/2017	N	1808868	9027398/9027399			X				X	X		X	X
AGW270	AGW270-20170602	6/2/2017	N	1808894	9027478/9027557			X				X	X		X	X
AGW271	AGW271-20170602	6/2/2017	N	1808894	9027479/9027558			X				X	X		X	X
AGW272	AGW272-20170601	6/1/2017	N	1808868	9027388/9027389			X				X	X		X	X
AGW273	AGW273-20170601	6/1/2017	N	1808868	9027390/9027391			X				X	X		X	X
AGW274	AGW274-20170601	6/1/2017	N	1808868	9027392/9027393			X				X	X		X	X
AGW275	AGW275-20170601	6/1/2017	N	1808868	9027394/9027395			X				X	X		X	X
AGW276-2	AGW276-2-25-20170531	5/31/2017	N	1807953	9023497/9023498			X	X			X	X		X	X
AGW276-5	AGW276-5-60-20170531	5/31/2017	N	1807953	9023499/9023500			X	X			X	X		X	X

Table 1-1
2Q2017 Groundwater Sample Matrix
Boeing Auburn Facility
Auburn, Washington

Sample Location	Field Sample ID	Sample Date	Sample Type	Laboratory SDG	Laboratory Sample ID	Total Cyanide by ASTM D-7511	Metals by EPA 200.8	Sulfate by EPA 300.0	Nitrate by EPA 300.0	TPH-D by NWTPH-Dx	TPH-G by NWTPH-Gx	MEE by RSK-175	TOC by SM 5310C	BTEX by SW-846 8260C	VOCs by SW-846 8260C	VC by SW-846 8260C SIM
AGW276-6	AGW276-6-80-20170531	5/31/2017	N	1807953	9023501/9023502			X	X			X	X		X	X
AGW276-6	AGW913-20170531	5/31/2017	FD	1807953	9023503/9023504			X	X			X	X		X	X
APP-057	APP-057-20170607	6/7/2017	N	1811699	9040281										X	X
IW34	IW34-20170601	6/1/2017	N	1808868	9027400/9027401			X				X	X		X	X
IW36	IW36-20170601	6/1/2017	N	1808868	9027402/9027403			X				X	X		X	X
IW37	IW37-20170601	6/1/2017	N	1808868	9027396/9027397			X				X	X		X	X

Note:
(a) VOCs collected from a Passive Diffusion Bag, all other analyses collected by low flow

Abbreviations/Acronyms:
BTEX = benzene, toluene, ethylbenzene, and xylenes
EPA = US Environmental Protection Agency
FD = field duplicate
ID = identification
MEE = methane, ethane, ethene
N = primary sample
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring
TOC = total organic compound
NWTPH = Northwest Total Petroleum Hydrocarbon
VC = vinyl chloride
VOC = volatile organic compound

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW001R	AGW002R	AGW006R	AGW009	AGW010	AGW010	AGW011	AGW014	AGW016	AGW024	AGW025	AGW026	AGW027	AGW029
Zone:	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory SDG:	1811697	1810943	1811902	1809300	1809300	1809300	1809300	1809300	1809300	1807964	1807964	1807964	1807294	1811902
Sample Date:	6/7/2017	6/6/2017	6/8/2017	6/5/2017	6/5/2017	6/5/2017	6/5/2017	6/5/2017	6/5/2017	5/30/2017	5/30/2017	5/30/2017	5/30/2017	6/8/2017
Sample Type:	PDN	N	PDN	N	N	FD	N	N	N	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)														
Acetone	**11**	5.0 U	**17**	5.0 U	5.0 U	5.0 U	--	--	--	**21**	**32**	**52**	**34**	**45**
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	**0.3 J**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	--	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	**0.3**	**0.3**	0.2 U	0.2 U	0.2 U	--	--	--	**1.5**	**2.5**	**0.7**	**0.5**	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	**42**	**47**	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-Hexanone	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	--	--	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	--	--	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**	**0.3 J**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	**1.2**	0.2 U	0.2 U	**0.4**	0.2 U	0.2 U	--	--	--	0.2 U	0.2 U	**0.9**	0.2 U	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	**1.2**	**1.2**	0.2 U	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	0.020 U	**0.051**	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--	--	--	**0.036**	**0.060**	0.020 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	**16 J**	**13 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
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	**2.0 J**	**0.7 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
General Chemistry (mg/L; ASTM D7511, EPA 300.0, SM 5310C)														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	**0.25 J**	0.10 U	0.10 U	**19.0**	**22.1**	**0.13**	--	--	--	0.10 U	--
Sulfate	--	**1.2**	--	**12.2 J**	**11.9**	**11.9**	**35.5**	**24.9**	**5.3**	--	--	--	1.0 U	--
Total Organic Carbon	--	**2.5**	--	**3.6**	**5.3**	**5.4**	**3.9**	**2.9**	**1.3**	--	--	--	**38.1**	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW001R	AGW002R	AGW006R	AGW009	AGW010	AGW010	AGW011	AGW014	AGW016	AGW024	AGW025	AGW026	AGW027	AGW029
Zone:	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory SDG:	1811697	1810943	1811902	1809300	1809300	1809300	1809300	1809300	1809300	1807964	1807964	1807964	1807294	1811902
Sample Date:	6/7/2017	6/6/2017	6/8/2017	6/5/2017	6/5/2017	6/5/2017	6/5/2017	6/5/2017	6/5/2017	5/30/2017	5/30/2017	5/30/2017	5/30/2017	6/8/2017
Sample Type:	PDN	N	PDN	N	N	FD	N	N	N	PDN	PDN	PDN	PDN	PDN
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	1.0 U	--	--	--	--	--	--	--	--	--	--	1.0 U	--
Ethene	--	1.0 U	--	--	--	--	--	--	--	--	--	--	1.0 U	--
Methane	--	**7,500**	--	--	--	--	--	--	--	--	--	--	**2,500**	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	0.099 U	**0.30**	**0.32**	0.1 U	0.10 U	0.10 U	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	0.25 U	0.24 U	0.25 U	0.25 U	0.25 U	0.25 U	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	0.25 U	**1.5**	**1.6**	0.25 U	0.25 U	0.25 U	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW030	AGW031R	AGW032	AGW033	AGW034	AGW035	AGW037	AGW039	AGW040	AGW041	AGW044	AGW047	AGW048	AGW048
Zone:	Shallow	Shallow	Shallow-WT	Shallow-WT	Deep	Deep	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow
Laboratory SDG:	1811902	1811903	1807964	1808477	1807964	1808477	1807294	1810943	1810943	1808897	1808560	1810943	1810943	1810943
Sample Date:	6/8/2017	6/8/2017	5/30/2017	6/1/2017	5/30/2017	6/1/2017	5/30/2017	6/6/2017	6/6/2017	6/2/2017	5/31/2017	6/6/2017	6/6/2017	6/6/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	N	PDN	PDN	N	N	N	FD
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**43**	**15**	**41**	7.3 U	**36**	**39**	**18**	5.0 U	**26**	14 U	5.0 U	--	--	--
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--
Bromomethane	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	--	--
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	0.2 U	--	--	--
Chloromethane	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--
cis-1,2-Dichloroethene	0.2 U	**0.4**	0.2 U	0.2 U	0.2 U	0.2 U	**1.2**	**1.1**	**0.6**	0.2 U	0.2 U	--	--	--
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--
Ethylbenzene	0.5 U	0.5 U	0.5 U	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-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	--	--	--
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	--	--	--
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	--	--	--
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--
Trichloroethene	0.2 U	**1.0**	0.2 U	0.2 U	0.2 U	**2.3**	**1.8**	**0.6**	**1**	0.2 U	0.2 U	--	--	--
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--
Vinyl Chloride (by 8260C SIM)	0.020 U	0.020 U	**0.17**	0.020 U	0.020 U	0.020 U	**0.19**	**0.031**	**0.038**	0.020 U	0.020 U	--	--	--
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	**0.14**	**0.065**	**0.067**
Nitrogen, Nitrate (as N)	--	--	--	0.10 U	--	**0.31**	**0.19**	--	--	--	--	--	--	--
Sulfate	--	--	--	**3.9**	--	**11.3**	**23.4**	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	**3.6**	--	1.0 U	**2.1**	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW030	AGW031R	AGW032	AGW033	AGW034	AGW035	AGW037	AGW039	AGW040	AGW041	AGW044	AGW047	AGW048	AGW048
Zone:	Shallow	Shallow	Shallow-WT	Shallow-WT	Deep	Deep	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow
Laboratory SDG:	1811902	1811903	1807964	1808477	1807964	1808477	1807294	1810943	1810943	1808897	1808560	1810943	1810943	1810943
Sample Date:	6/8/2017	6/8/2017	5/30/2017	6/1/2017	5/30/2017	6/1/2017	5/30/2017	6/6/2017	6/6/2017	6/2/2017	5/31/2017	6/6/2017	6/6/2017	6/6/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	N	PDN	PDN	N	N	N	FD
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	1.0 U	--	1.0 U	1.0 U	--	--	--	--	--	--	--
Ethene	--	--	--	1.0 U	--	1.0 U	1.0 U	--	--	--	--	--	--	--
Methane	--	--	--	3.0 U	--	3.0 U	**180**	--	--	--	--	--	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	**0.0105**	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	**0.0033**	**0.0033**
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	0.0020 U	0.0020 U
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	**0.18**	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	0.24 U	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW049	AGW050	AGW053R	AGW055R	AGW057R	AGW058R	AGW059R	AGW060R	AGW064	AGW065	AGW066	AGW067	AGW068	AGW069
Zone:	Shallow	Shallow	Shallow-WT	Intermediate	Intermediate	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT
Laboratory SDG:	1810943	1810943	1810943	1811902	1811697	1811697	1811697	1811697	1808897	1811902	1811903	1811697	1808897	1808897
Sample Date:	6/6/2017	6/6/2017	6/6/2017	6/8/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/2/2017	6/8/2017	6/8/2017	6/7/2017	6/2/2017	6/2/2017
Sample Type:	N	N	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	--	--	**19**	**19**	**27**	5.0 U	5.0 U	**35**	**58**	**25**	10 U	**35**	**32**	**35**
Benzene	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	--	--	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	--	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	--	--	0.2 U	**1.3**	0.2 U	0.2 U	0.2 U	**2.7**	0.2 U	0.2 U	**0.6**	**3.4**	0.2 U	0.2 U
trans-1,2-Dichloroethene	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	--	--	0.5 U	0.5 U	0.5 U	0.5 U	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-Hexanone	--	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 UJ
4-Methyl-2-Pentanone (MIBK)	--	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 UJ
Methylene Chloride	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	--	--	**0.2**	0.2 U	**0.4**	**0.3**	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	--	--	**1.1**	**0.5**	**1.3**	0.2 U	0.2 U	**0.9**	0.2 U	0.2 U	**2.6**	**5.2**	0.2 U	0.2 U
Trichlorofluoromethane	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	--	--	0.020 U	**0.14**	0.020 U	0.020 U	0.020 U	**0.061**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
m,p-Xylene	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	**0.053**	**2.0**	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW049	AGW050	AGW053R	AGW055R	AGW057R	AGW058R	AGW059R	AGW060R	AGW064	AGW065	AGW066	AGW067	AGW068	AGW069
Zone:	Shallow	Shallow	Shallow-WT	Intermediate	Intermediate	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT
Laboratory SDG:	1810943	1810943	1810943	1811902	1811697	1811697	1811697	1811697	1808897	1811902	1811903	1811697	1808897	1808897
Sample Date:	6/6/2017	6/6/2017	6/6/2017	6/8/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/2/2017	6/8/2017	6/8/2017	6/7/2017	6/2/2017	6/2/2017
Sample Type:	N	N	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	**0.0062**	**0.0519**	--	--	--	--	--	--	--	--	--	--	--	--
Copper	**0.745**	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	**0.0525**	**0.174**	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW072	AGW073	AGW074	AGW078	AGW079	AGW081	AGW085	AGW087	AGW088	AGW089	AGW090	AGW091	AGW095R	AGW098R
Zone:	Intermediate	Deep	Shallow-WT	Shallow	Shallow	Shallow-WT	Shallow-WT	Intermediate	Shallow-WT	Intermediate	Shallow	Intermediate	Intermediate	Deep
Laboratory SDG:	1811902	1811902	1811902	1807964	1807964	1808895	1808562	1811904	1811904	1811904	1811904	1811904	1811903	1811903
Sample Date:	6/8/2017	6/8/2017	6/8/2017	5/30/2017	5/30/2017	6/2/2017	5/31/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**18**	5.0 U	7.6 U	**45**	**35**	**48**	**25**	**27**	**27**	**23**	**39**	**34**	8.5 U	**50**
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 UJ	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
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 U
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	**1.4**	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**1.3**	**0.6**
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	**1.6**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	0.020 U	0.020 U	0.020 U	0.020 U	--	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW072	AGW073	AGW074	AGW078	AGW079	AGW081	AGW085	AGW087	AGW088	AGW089	AGW090	AGW091	AGW095R	AGW098R
Zone:	Intermediate	Deep	Shallow-WT	Shallow	Shallow	Shallow-WT	Shallow-WT	Intermediate	Shallow-WT	Intermediate	Shallow	Intermediate	Intermediate	Deep
Laboratory SDG:	1811902	1811902	1811902	1807964	1807964	1808895	1808562	1811904	1811904	1811904	1811904	1811904	1811903	1811903
Sample Date:	6/8/2017	6/8/2017	6/8/2017	5/30/2017	5/30/2017	6/2/2017	5/31/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW098R	AGW104	AGW106R	AGW110R	AGW110R	AGW112R	AGW115	AGW116	AGW117	AGW118	AGW119	AGW120	AGW125	AGW126
Zone:	Deep	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Intermediate	Shallow	Shallow	Intermediate
Laboratory SDG:	1811903	1807964	1810943	1811687	1811687	1810943	1808562	1808562	1808867	1808562	1811902	1811902	1811904	1811904
Sample Date:	6/8/2017	5/30/2017	6/6/2017	6/7/2017	6/7/2017	6/6/2017	5/31/2017	5/31/2017	6/1/2017	5/31/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017
Sample Type:	PDFD	PDN	N	N	FD	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**48**	**73**	5.0 U	5.0 U	5.0 U	5.0 U	**41**	**21**	**19**	**35**	**40**	**29**	**32**	**26**
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	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	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	**0.5**	**0.5**	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 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**1.2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**2.2**	**7.1**
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 UJ	5.0 UJ
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	0.2 U	**0.3**	**0.5**	**0.5**	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	**0.6**	0.2 U	**0.2**	0.2 U	0.2 U	**0.8**	0.2 U	0.2 U	**0.3**	**0.3**	0.2 U	0.2 U	**6.7**	**8.1**
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.7**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	0.020 U	0.020 U	0.020 U	**0.13**	**0.14**	0.020 U	**0.73**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.022**	**0.048**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	**15.8**	**3.4**	**3.3**	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	1.0 U	**2.9**	**3.0**	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW098R	AGW104	AGW106R	AGW110R	AGW110R	AGW112R	AGW115	AGW116	AGW117	AGW118	AGW119	AGW120	AGW125	AGW126
Zone:	Deep	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Intermediate	Shallow	Shallow	Intermediate
Laboratory SDG:	1811903	1807964	1810943	1811687	1811687	1810943	1808562	1808562	1808867	1808562	1811902	1811902	1811904	1811904
Sample Date:	6/8/2017	5/30/2017	6/6/2017	6/7/2017	6/7/2017	6/6/2017	5/31/2017	5/31/2017	6/1/2017	5/31/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017
Sample Type:	PDFD	PDN	N	N	FD	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	1.0 U	1.0 U	1.0 U	--	--	--	--	--	--	--	--	--
Ethene	--	--	1.0 U	1.0 U	1.0 U	--	--	--	--	--	--	--	--	--
Methane	--	--	**350**	**4,800**	**5,300**	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW127	AGW128	AGW129	AGW130	AGW131	AGW133	AGW134	AGW135	AGW136	AGW137	AGW138	AGW139	AGW140	AGW141
Zone:	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow	Shallow	Shallow	Intermediate	Deep	Intermediate	Intermediate	Intermediate
Laboratory SDG:	1808897	1808560	1808562	1808562	1807964	1807964	1811902	1811902	1808897	1808897	1808897	1808897	1811902	1808897
Sample Date:	6/2/2017	5/31/2017	5/31/2017	5/31/2017	5/30/2017	5/30/2017	6/8/2017	6/8/2017	6/2/2017	6/2/2017	6/2/2017	6/2/2017	6/8/2017	6/2/2017
Sample Type:	PDN	N	PDN	N	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**32**	**8.4**	**33**	**22**	**31**	**45**	**31**	**25**	**20**	**23**	**27**	**20**	**21**	**21**
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	**7.4**	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	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	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
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	**1.2**	0.2 U	0.2 U	**0.3**	**0.2**	**1.1**	0.2 U	**0.3**	**2.8**	**0.3**
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Hexanone	5.0 UJ	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ
4-Methyl-2-Pentanone (MIBK)	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	**0.6**	**0.3**	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	**1.4**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	**0.9**	**0.6**	**3.7**	**0.6**	**3.6**	**4.4**	**2.2**
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	**2.0**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	0.020 U	0.020 U	0.020 U	0.020 U	--	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.16**	0.020 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW127	AGW128	AGW129	AGW130	AGW131	AGW133	AGW134	AGW135	AGW136	AGW137	AGW138	AGW139	AGW140	AGW141
Zone:	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow	Shallow	Shallow	Intermediate	Deep	Intermediate	Intermediate	Intermediate
Laboratory SDG:	1808897	1808560	1808562	1808562	1807964	1807964	1811902	1811902	1808897	1808897	1808897	1808897	1811902	1808897
Sample Date:	6/2/2017	5/31/2017	5/31/2017	5/31/2017	5/30/2017	5/30/2017	6/8/2017	6/8/2017	6/2/2017	6/2/2017	6/2/2017	6/2/2017	6/8/2017	6/2/2017
Sample Type:	PDN	N	PDN	N	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	**1.1**	--	0.098 U	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	**1.3**	--	0.24 U	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW142	AGW143	AGW144	AGW145	AGW146	AGW147	AGW148	AGW149	AGW150	AGW151	AGW152	AGW153	AGW154	AGW155
Zone:	Deep	Deep	Intermediate	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Shallow	Shallow	Intermediate	Intermediate
Laboratory SDG:	1808897	1807961	1807961	1811699	1811699	1811699	1811699	1811699	1808897	1808897	1807964	1808897	1807964	1807964
Sample Date:	6/2/2017	5/31/2017	5/31/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/2/2017	6/2/2017	5/30/2017	6/2/2017	5/30/2017	5/30/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**18**	5.0 U	5.0 U	**33**	8.3 U	**28**	**30**	**39**	**15**	**21**	**51**	7.9 U	**33**	6.2 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	**0.6**	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	**2.1**	0.2 U	**9.3**	**1.4**	**6.9**	**1.7**	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	**2.1**
trans-1,2-Dichloroethene	0.2 U	**0.4**	0.2 U	**1.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Hexanone	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U
4-Methyl-2-Pentanone (MIBK)	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	**1.1**	0.2 U	**13**	**4.8**	**0.2**	**4.2**	**3.9**	**1.4**	**0.4**	0.2 U	0.2 U	**0.3**	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	**0.3 J**	0.2 UJ	**1.1**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**2.6**	0.2 U	0.2 U	**10**
Vinyl Chloride (by 8260C SIM)	0.020 U	**0.35**	0.020 U	--	**0.087**	**0.077**	**0.029**	0.020 U	0.020 U	0.020 U	--	0.020 U	**0.033**	--
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	0.10 U	0.10 U	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	**6.0**	1.0 U	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	1.0 U	1.0 U	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW142	AGW143	AGW144	AGW145	AGW146	AGW147	AGW148	AGW149	AGW150	AGW151	AGW152	AGW153	AGW154	AGW155
Zone:	Deep	Deep	Intermediate	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Shallow	Shallow	Intermediate	Intermediate
Laboratory SDG:	1808897	1807961	1807961	1811699	1811699	1811699	1811699	1811699	1808897	1808897	1807964	1808897	1807964	1807964
Sample Date:	6/2/2017	5/31/2017	5/31/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/2/2017	6/2/2017	5/30/2017	6/2/2017	5/30/2017	5/30/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	1.0 U	1.0 U	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	1.0 U	1.0 U	--	--	--	--	--	--	--	--	--	--	--
Methane	--	**160**	**1,900**	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW156	AGW157	AGW158	AGW159	AGW160	AGW161	AGW162	AGW163	AGW163	AGW164	AGW165	AGW166	AGW167	AGW168
Zone:	Intermediate	Intermediate	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Shallow	Intermediate	Deep	Intermediate
Laboratory SDG:	1807294	1811699	1808894	1808894	1811699	1810788	1811902	1808867	1808867	1807294	1807294	1808894	1808894	1811903
Sample Date:	5/30/2017	6/7/2017	6/2/2017	6/2/2017	6/7/2017	6/6/2017	6/8/2017	6/1/2017	6/1/2017	5/30/2017	5/30/2017	6/2/2017	6/2/2017	6/8/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDFD	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	5.0 U	**21**	**26**	**77**	**72**	**27**	**12**	**15**	**11**	**36**	**33**	**100**	**80**	**32**
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	**2.2**	**0.5**	**0.3**	**0.3**	0.2 U	0.2 U	**1.5**	**1.5**	**0.2**	**2.4**	**1.3**	**2.5**	**1.7**
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	**0.2**	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	**4.0**	**2.2**	**3.0**	**3.1**	**1.6**	**0.6**	**4.2**	**4.6**	**1.6**	**2.4**	0.2 U	**6.3**	**6.0**
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.6**	**0.3**	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	--	**0.29**	**0.030**	0.020 U	0.020 U	0.020 U	0.020 U	**0.047**	**0.046**	0.020 U	**0.80**	**0.34**	**0.15**	**0.052**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	**0.18**	--	--	--	--	--	--	--	--	0.10 U	0.10 U	--	--	--
Sulfate	**7.7**	--	--	--	--	--	--	--	--	**10 J**	**7.0**	--	--	--
Total Organic Carbon	**1.5**	--	--	--	--	--	--	--	--	1.0 U	**1.5**	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW156	AGW157	AGW158	AGW159	AGW160	AGW161	AGW162	AGW163	AGW163	AGW164	AGW165	AGW166	AGW167	AGW168
Zone:	Intermediate	Intermediate	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Shallow	Intermediate	Deep	Intermediate
Laboratory SDG:	1807294	1811699	1808894	1808894	1811699	1810788	1811902	1808867	1808867	1807294	1807294	1808894	1808894	1811903
Sample Date:	5/30/2017	6/7/2017	6/2/2017	6/2/2017	6/7/2017	6/6/2017	6/8/2017	6/1/2017	6/1/2017	5/30/2017	5/30/2017	6/2/2017	6/2/2017	6/8/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDFD	PDN	PDN	PDN	PDN	PDN
Dissolved Gasses (µg/L; RSK-175)														
Ethane	1.0 U	--	--	--	--	--	--	--	--	1.0 U	1.0 U	--	--	--
Ethene	1.0 U	--	--	--	--	--	--	--	--	1.0 U	1.0 U	--	--	--
Methane	**5,100**	--	--	--	--	--	--	--	--	**21**	**580**	--	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW169	AGW170	AGW171	AGW172	AGW173	AGW174	AGW175	AGW176	AGW177	AGW178	AGW179	AGW180	AGW181	AGW182
Zone:	Deep	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Intermediate	Deep	Intermediate	Intermediate
Laboratory SDG:	1811903	1811903	1811903	1811904	1811904	1810233	1810233	1808477	1811904	1811904	1811903	1811903	1811699	1807299
Sample Date:	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/5/2017	6/5/2017	6/1/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/7/2017	5/30/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	N	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**49**	**72**	**24**	**19**	**28**	**23**	5.0 U	5.0 U	**53**	**67**	**74**	**88**	**30**	**100**
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	0.2 U	**0.2**	0.2 U
cis-1,2-Dichloroethene	**1.2**	**0.3**	0.2 U	**0.4**	**0.9**	0.2 U	**0.3**	**0.3**	**1.6**	**0.4**	**6.5**	0.2 U	**1.3**	**2.4**
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	**6.9**	**2.6**	**1.5**	**6.0**	**3.8**	**1.7**	**2.2**	**3.2**	**5.2**	**4.8**	0.2 U	**3.5**	**5.5**	**1.7**
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	**0.037**	0.020 U	0.020 U	0.020 U	**0.031**	0.020 U	0.020 U	0.020 U	**0.024**	0.020 U	**0.094**	0.020 U	**0.033**	**0.17**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	**0.47**	--	--	--	--	--	0.10 U
Sulfate	--	--	--	--	--	--	--	**13.8**	--	--	--	--	--	**10**
Total Organic Carbon	--	--	--	--	--	--	--	**1.7**	--	--	--	--	--	**1.4**

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW169	AGW170	AGW171	AGW172	AGW173	AGW174	AGW175	AGW176	AGW177	AGW178	AGW179	AGW180	AGW181	AGW182
Zone:	Deep	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Intermediate	Deep	Intermediate	Intermediate
Laboratory SDG:	1811903	1811903	1811903	1811904	1811904	1810233	1810233	1808477	1811904	1811904	1811903	1811903	1811699	1807299
Sample Date:	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/5/2017	6/5/2017	6/1/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/7/2017	5/30/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	N	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	1.0 U	--	--	--	--	--	1.0 U
Ethene	--	--	--	--	--	--	--	1.0 U	--	--	--	--	--	1.0 U
Methane	--	--	--	--	--	--	--	3.0 U	--	--	--	--	--	**180**
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW183	AGW184	AGW185	AGW186	AGW187	AGW188	AGW189	AGW190	AGW191	AGW192	AGW192	AGW193	AGW194	AGW195
Zone:	Deep	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Deep	Shallow	Shallow	Deep
Laboratory SDG:	1807299	1811697	1810233	1811697	1810233	1811699	1811697	1811699	1811687	1811687	1811687	1808894	1808894	1811904
Sample Date:	5/30/2017	6/7/2017	6/5/2017	6/7/2017	6/5/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/2/2017	6/2/2017	6/8/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	N	PDN	PDN	PDN	PDN	PDFD	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**34**	**36**	**43**	**30**	**19**	5.0 U	**41**	**34**	19 U	**25**	**24**	**32**	**21**	**44**
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**1.7**	**0.8**	**0.8**
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	**0.5**	**2.6**	**0.6**	**1.6**	**4.6**	**0.9**	**1.3**	0.2 U	0.2 U	0.2 U	**3.5**	**1.9**	**7.8**
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	0.020 U	0.020 U	0.020 U	0.020 U	**0.021**	**0.025**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.17**	**0.025**	0.020 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	0.10 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	1.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	**1.4**	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW183	AGW184	AGW185	AGW186	AGW187	AGW188	AGW189	AGW190	AGW191	AGW192	AGW192	AGW193	AGW194	AGW195
Zone:	Deep	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Deep	Shallow	Shallow	Deep
Laboratory SDG:	1807299	1811697	1810233	1811697	1810233	1811699	1811697	1811699	1811687	1811687	1811687	1808894	1808894	1811904
Sample Date:	5/30/2017	6/7/2017	6/5/2017	6/7/2017	6/5/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/2/2017	6/2/2017	6/8/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	N	PDN	PDN	PDN	PDN	PDFD	PDN	PDN	PDN
Dissolved Gasses (µg/L; RSK-175)														
Ethane	1.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	1.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	**1,300**	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW196	AGW197	AGW198	AGW199	AGW200-2	AGW200-5	AGW200-6	AGW201-2	AGW201-5	AGW201-6	AGW202-2	AGW202-4	AGW202-6	AGW203-2
Zone:	Intermediate	Deep	Intermediate	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Shallow
Laboratory SDG:	1811904	1811904	1811904	1808477	1807956	1807956	1807956	1807961	1807961	1807961	1808481	1808481	1808481	1808867
Sample Date:	6/8/2017	6/8/2017	6/8/2017	6/1/2017	5/31/2017	5/31/2017	5/31/2017	5/31/2017	5/31/2017	5/31/2017	6/1/2017	6/1/2017	6/1/2017	6/1/2017
Sample Type:	PDN	PDN	PDN	PDN	N	N	N	N	N	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**13**	**30**	**20**	**12**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	**1.0**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	**0.4**	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	**4.7**	**0.8**	**0.6**	**0.9**	**2.6**	**5.2**	**3.4**	**2.2**	**1.2**	**4.5**	**0.9**	**1.2**	**0.3**	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	**0.5**	**0.4**	0.2 U	0.2 U	**0.4**	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Hexanone	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ
4-Methyl-2-Pentanone (MIBK)	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	**12**	**8.6**	**2.8**	**0.3**	**1.8**	**0.7**	**0.7**	**4.6**	**7.9**	**1.7**	**3.3**	**1**	**0.6**
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	**2.0**	0.2 U	0.2 U	0.2 U	**1.0 J**	**1 J**	**0.8 J**	**0.9**	0.2 UJ	**0.5 J**	0.2 U	**0.3**	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	--	0.020 U	0.020 U	**0.028**	--	--	--	--	--	**0.52**	**0.073**	--	**0.024**	0.020 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	**0.13**	0.10 U	0.10 U	0.10 U	0.10 U	--
Sulfate	--	--	--	**13.5**	**4.9**	**4.1**	**4.6**	**6.9 J**	**12.5**	**9.4**	**12.5**	**11.4**	**7.2**	--
Total Organic Carbon	--	--	--	**1.9**	**4.9**	1.0 U	1.0 U	**3.1**	1.0 U	1.0 U	**1.3**	1.0 U	1.0 U	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW196	AGW197	AGW198	AGW199	AGW200-2	AGW200-5	AGW200-6	AGW201-2	AGW201-5	AGW201-6	AGW202-2	AGW202-4	AGW202-6	AGW203-2
Zone:	Intermediate	Deep	Intermediate	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Shallow
Laboratory SDG:	1811904	1811904	1811904	1808477	1807956	1807956	1807956	1807961	1807961	1807961	1808481	1808481	1808481	1808867
Sample Date:	6/8/2017	6/8/2017	6/8/2017	6/1/2017	5/31/2017	5/31/2017	5/31/2017	5/31/2017	5/31/2017	5/31/2017	6/1/2017	6/1/2017	6/1/2017	6/1/2017
Sample Type:	PDN	PDN	PDN	PDN	N	N	N	N	N	N	N	N	N	N
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	--
Ethene	--	--	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	--
Methane	--	--	--	**38**	**110**	**290**	**630**	**230**	**120**	**160**	**42**	**340**	**69**	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW203-4	AGW203-6	AGW204	AGW205	AGW206	AGW207-2	AGW207-4	AGW207-4	AGW207-7	AGW208-2	AGW208-4	AGW208-6	AGW209-2	AGW209-5
Zone:	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Shallow	Intermediate	Intermediate	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate
Laboratory SDG:	1808867	1808895	1807964	1807964	1807964	1808895	1808895	1808895	1808895	1808481	1808481	1808481	1808895	1808895
Sample Date:	6/1/2017	6/2/2017	5/30/2017	5/30/2017	5/30/2017	6/2/2017	6/2/2017	6/2/2017	6/2/2017	6/1/2017	6/1/2017	6/1/2017	6/2/2017	6/2/2017
Sample Type:	N	N	PDN	PDN	PDN	N	N	FD	N	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	5.0 U	5.0 U	5.0 U	17 U	**60**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 UJ	0.5 UJ	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
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	0.2 U	0.2 U	0.2 U	**0.3**
cis-1,2-Dichloroethene	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	**3.9**	**2.2**	**2.3**	**0.6**	**4.4**	**0.9**	**0.8**	0.2 U	**1.6**
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Hexanone	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	**0.4**	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	**3.4**	0.2 U	0.2 U	0.2 U	**0.3**	**6.3**	**6.8**	**6.6**	**5.7**	**2.6**	**3.9**	**5.0**	0.2 U	**2.5**
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**2.5**	0.2 U	0.2 U	**1.4**	**1.2**
Vinyl Chloride (by 8260C SIM)	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.15**	**0.12**	**0.12**	**0.023**	--	0.020 U	0.020 U	--	**1.1**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	0.10 U	0.10 U	**0.44**	--	--
Sulfate	--	--	--	--	--	--	--	--	--	**1.7**	**15.3**	**13.5**	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	**9.8**	1.0 U	1.0 U	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW203-4	AGW203-6	AGW204	AGW205	AGW206	AGW207-2	AGW207-4	AGW207-4	AGW207-7	AGW208-2	AGW208-4	AGW208-6	AGW209-2	AGW209-5
Zone:	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Shallow	Intermediate	Intermediate	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate
Laboratory SDG:	1808867	1808895	1807964	1807964	1807964	1808895	1808895	1808895	1808895	1808481	1808481	1808481	1808895	1808895
Sample Date:	6/1/2017	6/2/2017	5/30/2017	5/30/2017	5/30/2017	6/2/2017	6/2/2017	6/2/2017	6/2/2017	6/1/2017	6/1/2017	6/1/2017	6/2/2017	6/2/2017
Sample Type:	N	N	PDN	PDN	PDN	N	N	FD	N	N	N	N	N	N
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	--	1.0 U	1.0 U	1.0 U	--	--
Ethene	--	--	--	--	--	--	--	--	--	1.0 U	1.0 U	1.0 U	--	--
Methane	--	--	--	--	--	--	--	--	--	**630**	**52**	**45**	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW209-6	AGW210-2	AGW210-5	AGW210-6	AGW211-2	AGW211-5	AGW211-6	AGW212-2	AGW212-5	AGW212-7	AGW213	AGW214	AGW215	AGW216
Zone:	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Deep	Intermediate	Intermediate	Intermediate
Laboratory SDG:	1808895	1808481	1808481	1808481	1810233	1810233	1810233	1810233	1810233	1810233	1811699	1810788	1808477	1811902
Sample Date:	6/2/2017	6/1/2017	6/1/2017	6/1/2017	6/5/2017	6/5/2017	6/5/2017	6/5/2017	6/5/2017	6/5/2017	6/7/2017	6/6/2017	6/1/2017	6/8/2017
Sample Type:	N	N	N	N	N	N	N	N	N	N	PDN	N	N	N
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**33**	5.0 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	**1**	**0.2**	**0.8**	**0.2**	0.2 U	**1.1**	**0.6**	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Hexanone	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-Pentanone (MIBK)	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	**5.8**	0.2 U	**2.9**	**4.2**	0.2 U	**3.1**	**1.9**	0.2 U	**1.1**	**4.6**	0.2 U	**2.8**	0.2 U	**1.0**
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	**0.022**	0.020 U	**0.031**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.025**	0.020 U	0.020 U	0.020 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	0.10 U	0.10 U	**0.26**	--	--	--	--	--	--	--	--	0.10 U	--
Sulfate	--	1.0 U	**11.5**	**15.5**	--	--	--	--	--	--	--	--	**9.6 J**	--
Total Organic Carbon	--	**18.5**	**4.3**	1.0 U	--	--	--	--	--	--	--	--	**1.2**	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW209-6	AGW210-2	AGW210-5	AGW210-6	AGW211-2	AGW211-5	AGW211-6	AGW212-2	AGW212-5	AGW212-7	AGW213	AGW214	AGW215	AGW216
Zone:	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Deep	Intermediate	Intermediate	Intermediate
Laboratory SDG:	1808895	1808481	1808481	1808481	1810233	1810233	1810233	1810233	1810233	1810233	1811699	1810788	1808477	1811902
Sample Date:	6/2/2017	6/1/2017	6/1/2017	6/1/2017	6/5/2017	6/5/2017	6/5/2017	6/5/2017	6/5/2017	6/5/2017	6/7/2017	6/6/2017	6/1/2017	6/8/2017
Sample Type:	N	N	N	N	N	N	N	N	N	N	PDN	N	N	N
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	1.0 U	1.0 U	1.0 U	--	--	--	--	--	--	--	--	1.0 U	--
Ethene	--	1.0 U	1.0 U	1.0 U	--	--	--	--	--	--	--	--	1.0 U	--
Methane	--	**9,100**	**160**	**120**	--	--	--	--	--	--	--	--	**45**	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW217	AGW218	AGW219	AGW220	AGW221	AGW221	AGW222	AGW223	AGW224	AGW224	AGW225	AGW226	AGW227	AGW228
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Shallow-WT	Shallow-WT	Shallow	Shallow	Intermediate	Shallow
Laboratory SDG:	1810788	1810788	1810788	1810788	1811697	1811697	1808562	1807964	1807299	1807299	1811687	1810786	1811903	1811684
Sample Date:	6/6/2017	6/6/2017	6/6/2017	6/6/2017	6/7/2017	6/7/2017	5/31/2017	5/30/2017	5/30/2017	5/30/2017	6/7/2017	6/6/2017	6/8/2017	6/7/2017
Sample Type:	N	N	PDN	N	N	FD	PDN	PDN	PDN	PDFD	N	N	PDN	N
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	5.0 U	5.0 U	**20**	5.0 U	5.0 U	5.0 U	**34**	7.6 U	5.0 U	5.0 U	5.0 U	5.0 U	**99**	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	**0.2**	**0.4**	0.2 U	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**4.5**	**3.4**	**2.9**	**3.1**
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**	**0.3**	**0.4**	**0.4 J**
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	**1.9**	**3.7**	0.2 U	**0.5**	0.2 U	0.2 U	**0.6**	0.2 U	0.2 U	0.2 U	**2.5**	**3.9**	**2.0**	**3.3**
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	**0.5**	**0.3**	**0.3**
Vinyl Chloride (by 8260C SIM)	**0.021**	**0.022**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.40**	**0.44**	**0.26**	**0.25**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	**0.17**	**0.17**	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	**43.1**	**41.5**	**4.9**	**7.5**	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	**5.2**	**5.2**	**3.8**	**2.3**	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW217	AGW218	AGW219	AGW220	AGW221	AGW221	AGW222	AGW223	AGW224	AGW224	AGW225	AGW226	AGW227	AGW228
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Shallow-WT	Shallow-WT	Shallow	Shallow	Intermediate	Shallow
Laboratory SDG:	1810788	1810788	1810788	1810788	1811697	1811697	1808562	1807964	1807299	1807299	1811687	1810786	1811903	1811684
Sample Date:	6/6/2017	6/6/2017	6/6/2017	6/6/2017	6/7/2017	6/7/2017	5/31/2017	5/30/2017	5/30/2017	5/30/2017	6/7/2017	6/6/2017	6/8/2017	6/7/2017
Sample Type:	N	N	PDN	N	N	FD	PDN	PDN	PDN	PDFD	N	N	PDN	N
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	1.0 U	1.0 U	1.0 U	1.0 U	--	--
Ethene	--	--	--	--	--	--	--	--	1.0 U	1.0 U	1.0 U	1.0 U	--	--
Methane	--	--	--	--	--	--	--	--	**7.2 J**	3.0 UJ	**280**	**970**	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW229	AGW230	AGW231	AGW232	AGW233	AGW234	AGW235-2	AGW235-4	AGW235-7	AGW236	AGW237	AGW238	AGW239	AGW240-1
Zone:	Shallow-WT	Deep	Shallow	Shallow	Deep	Deep	Shallow	Intermediate	Deep	Shallow	Deep	Intermediate	Shallow	Shallow-WT
Laboratory SDG:	1811903	1811697	1811904	1811904	1810233	1808477	1808895	1808895	1808895	1807961	1810788	1810788	1810788	1810786
Sample Date:	6/8/2017	6/7/2017	6/8/2017	6/8/2017	6/5/2017	6/1/2017	6/2/2017	6/2/2017	6/2/2017	5/31/2017	6/6/2017	6/6/2017	6/6/2017	6/6/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	N	N	N	N	PDN	PDN	N	N
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**32**	**25**	**38**	**19**	**16**	**30**	5.0 U	5.0 U	5.0 U	5.0 U	**32**	**39**	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	**0.9**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.7**	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	**0.4**	**0.3**	**0.4**	0.2 U	0.2 U	**1.1**	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	**0.9**	0.2 U	**2.2**	**4.6**	0.2 U	**1.9**	**2.6**	**9.4**	0.2 U	**4.6**	**1**	0.2 U	**6.9**	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Hexanone	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	**2.5**	**1.2**	**0.4**	0.2 U	0.2 U	**8.8**	0.2 U	**4.1**	0.2 U	**4.3**	**1.4**	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	**1.4**	**2.6**	0.2 U	0.2 U	**2.8**	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	**1.0**	0.2 U
Vinyl Chloride (by 8260C SIM)	0.020 U	0.020 U	--	--	0.020 U	**0.13**	**2.8**	**0.12**	**0.021**	**0.059**	**0.039**	0.020 U	**0.82**	**0.049**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	0.10 U	--	--	--	0.10 U	--	--	--	--
Sulfate	--	--	--	--	--	**12.3**	--	--	--	**7.5**	--	--	--	1.0 U
Total Organic Carbon	--	--	--	--	--	**1.1**	--	--	--	1.0 U	--	--	--	**7.1**

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW229	AGW230	AGW231	AGW232	AGW233	AGW234	AGW235-2	AGW235-4	AGW235-7	AGW236	AGW237	AGW238	AGW239	AGW240-1
Zone:	Shallow-WT	Deep	Shallow	Shallow	Deep	Deep	Shallow	Intermediate	Deep	Shallow	Deep	Intermediate	Shallow	Shallow-WT
Laboratory SDG:	1811903	1811697	1811904	1811904	1810233	1808477	1808895	1808895	1808895	1807961	1810788	1810788	1810788	1810786
Sample Date:	6/8/2017	6/7/2017	6/8/2017	6/8/2017	6/5/2017	6/1/2017	6/2/2017	6/2/2017	6/2/2017	5/31/2017	6/6/2017	6/6/2017	6/6/2017	6/6/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	N	N	N	N	PDN	PDN	N	N
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	1.0 U	--	--	--	1.0 U	--	--	--	**1.1 J**
Ethene	--	--	--	--	--	1.0 U	--	--	--	1.0 U	--	--	--	1.0 U
Methane	--	--	--	--	--	**27**	--	--	--	**3,500**	--	--	--	**1,200**
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW240-5	AGW240-5	AGW241-1	AGW241-5	AGW242-1	AGW242-2	AGW242-5	AGW243-1	AGW243-3	AGW243-5	AGW244	AGW245	AGW246	AGW247-1
Zone:	Shallow	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT
Laboratory SDG:	1810786	1810786	1810786	1810786	1809998	1810786	1810786	1807299	1807299	1807299	1809998/1821845	1811903	1811903	1809998/1821845
Sample Date:	6/6/2017	6/6/2017	6/6/2017	6/6/2017	6/5/2017	6/6/2017	6/6/2017	5/30/2017	5/30/2017	5/30/2017	6/5/2017	6/8/2017	6/8/2017	6/5/2017
Sample Type:	N	FD	N	N	N	N	N	N	N	N	N	PDN	PDN	N
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**7.1**	5.0 U	5.0 U	5.0 U	**20**	**26**	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	**0.6**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 UJ
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 UJ
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**4.8**
Vinyl Chloride (by 8260C SIM)	**0.074**	**0.076**	0.020 U	**0.036**	**0.24**	0.020 U	0.020 U	**0.030**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**4.7**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	0.10 U	0.10 U	0.10 U	0.10 U	--	--	--
Sulfate	1.0 U	1.0 U	--	--	--	--	--	1.0 U	1.0 U	1.0 U	**3.8 J**	--	--	1.0 U
Total Organic Carbon	**4.8**	**4.8**	--	--	--	--	--	**45.3**	**3.9**	**2.4**	**53.1**	--	--	**9.2**

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW240-5	AGW240-5	AGW241-1	AGW241-5	AGW242-1	AGW242-2	AGW242-5	AGW243-1	AGW243-3	AGW243-5	AGW244	AGW245	AGW246	AGW247-1
Zone:	Shallow	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT
Laboratory SDG:	1810786	1810786	1810786	1810786	1809998	1810786	1810786	1807299	1807299	1807299	1809998/1821845	1811903	1811903	1809998/1821845
Sample Date:	6/6/2017	6/6/2017	6/6/2017	6/6/2017	6/5/2017	6/6/2017	6/6/2017	5/30/2017	5/30/2017	5/30/2017	6/5/2017	6/8/2017	6/8/2017	6/5/2017
Sample Type:	N	FD	N	N	N	N	N	N	N	N	N	PDN	PDN	N
Dissolved Gasses (µg/L; RSK-175)														
Ethane	**7.6**	**8.1**	--	--	--	--	--	1.0 U	1.0 U	1.0 U	1.0 U	--	--	1.0 U
Ethene	1.0 U	1.0 U	--	--	--	--	--	1.0 U	1.0 U	1.0 U	1.0 U	--	--	1.0 U
Methane	**9,500**	**9,400**	--	--	--	--	--	**10,000**	**13,000**	**7,800 J**	**4,600**	--	--	**6,700**
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW247-5	AGW247-5	AGW248-1	AGW248-5	AGW249-1	AGW249-5	AGW250-1	AGW250-2	AGW250-3	AGW250-6	AGW251-1	AGW251-2	AGW251-3	AGW251-6
Zone:	Shallow	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Intermediate	Deep	Shallow-WT	Shallow	Intermediate	Deep
Laboratory SDG:	1809998/1821845	1809998/1821845	1810786	1810786	1809998	1809998	1811684	1811684	1811684	1811684	1811684	1811684	1811684	1811684
Sample Date:	6/5/2017	6/5/2017	6/6/2017	6/6/2017	6/5/2017	6/5/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017
Sample Type:	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	**1.2**	**1.2**	0.2 U	**1.9**	0.2 U	**2.2**	0.2 U	0.2 U	**1.0**	0.2 U	0.2 U	0.2 U	**0.6**	**0.4**
trans-1,2-Dichloroethene	**0.5**	**0.5**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	**4.9**	0.2 U	**6.6**	0.2 U	**0.2**	**0.5**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	**2.6**	**2.7**	0.2 U	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**1.0**	**2.3**	**6.6**	**0.3**
Vinyl Chloride (by 8260C SIM)	**2.6**	**2.7**	**0.053**	**0.14**	**0.20**	**0.093**	0.020 U	**0.030**	**0.056**	0.020 U	**0.76**	**2.1**	**6.2**	**0.24**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	1.0 U	1.0 U	--	--	--	--	--	--	--	--	**69.7**	1.0 U	1.0 U	--
Total Organic Carbon	**5.4**	**5.5**	--	--	--	--	--	--	--	--	**11.5**	**8.6**	**8.8**	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW247-5	AGW247-5	AGW248-1	AGW248-5	AGW249-1	AGW249-5	AGW250-1	AGW250-2	AGW250-3	AGW250-6	AGW251-1	AGW251-2	AGW251-3	AGW251-6
Zone:	Shallow	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Intermediate	Deep	Shallow-WT	Shallow	Intermediate	Deep
Laboratory SDG:	1809998/1821845	1809998/1821845	1810786	1810786	1809998	1809998	1811684	1811684	1811684	1811684	1811684	1811684	1811684	1811684
Sample Date:	6/5/2017	6/5/2017	6/6/2017	6/6/2017	6/5/2017	6/5/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017
Sample Type:	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Dissolved Gasses (µg/L; RSK-175)														
Ethane	**2.1 J**	**2.0 J**	--	--	--	--	--	--	--	--	1.0 U	**2.6 J**	**1.9 J**	--
Ethene	1.0 U	1.0 U	--	--	--	--	--	--	--	--	1.0 U	**2.3 J**	1.0 U	--
Methane	**1,600**	**1,600**	--	--	--	--	--	--	--	--	**410**	**3,200**	**2,900**	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW252	AGW253	AGW254-1	AGW254-2	AGW254-5	AGW255-1	AGW255-1	AGW255-3	AGW255-5	AGW256	AGW257	AGW257	AGW258	AGW259
Zone:	Deep	Intermediate	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow	Intermediate	Intermediate	Shallow	Shallow	Shallow	Deep
Laboratory SDG:	1811699	1811699	1810788	1810788	1810788	1807956	1807956	1807956	1807956	1811697	1811697	1811697	1811697	1810788
Sample Date:	6/7/2017	6/7/2017	6/6/2017	6/6/2017	6/6/2017	5/31/2017	5/31/2017	5/31/2017	5/31/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/6/2017
Sample Type:	PDN	PDN	N	N	N	N	FD	N	N	PDN	PDN	PDFD	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**22**	**55**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**36**	5.0 U	5.0 U	**47**	**67**
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**2.8**	**2.7**	**1.3**	**0.9**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	**0.3**	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.6**	**0.6**	0.2 U	0.2 U	**0.9**	**0.3**	**0.3**	0.2 U	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2 J**	**0.3**	0.2 U	**0.2 J**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	0.020 U	0.020 U	0.020 U	**0.035**	0.020 U	**0.26**	**0.25**	**0.20**	**0.23**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	0.10 UJ	0.10 U	0.10 U	0.10 U	--	--	--	--	--
Sulfate	--	--	--	--	--	**1.9**	**2.0**	1.0 U	1.0 U	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	**6.5**	**6.4**	**4.3**	**13.2**	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW252	AGW253	AGW254-1	AGW254-2	AGW254-5	AGW255-1	AGW255-1	AGW255-3	AGW255-5	AGW256	AGW257	AGW257	AGW258	AGW259
Zone:	Deep	Intermediate	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow	Intermediate	Intermediate	Shallow	Shallow	Shallow	Deep
Laboratory SDG:	1811699	1811699	1810788	1810788	1810788	1807956	1807956	1807956	1807956	1811697	1811697	1811697	1811697	1810788
Sample Date:	6/7/2017	6/7/2017	6/6/2017	6/6/2017	6/6/2017	5/31/2017	5/31/2017	5/31/2017	5/31/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/6/2017
Sample Type:	PDN	PDN	N	N	N	N	FD	N	N	PDN	PDN	PDFD	PDN	PDN
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	1.0 U	1.0 U	1.0 U	1.0 U	--	--	--	--	--
Ethene	--	--	--	--	--	1.0 U	1.0 U	1.0 U	1.0 U	--	--	--	--	--
Methane	--	--	--	--	--	**2,100**	**2,000**	**1,300**	**4,600**	--	--	--	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW260	AGW261	AGW262	AGW263	AGW264	AGW265	AGW266	AGW267	AGW268	AGW269	AGW270	AGW271	AGW272	AGW273
Zone:	Deep	Shallow	Shallow-WT	Shallow-WT	Deep	Intermediate	Shallow	Intermediate	Deep	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory SDG:	1809998	1807953	1811903	1811687	1808894	1808894	1811699	1808894	1808894	1808868	1808894	1808894	1808868	1808868
Sample Date:	6/5/2017	5/31/2017	6/8/2017	6/7/2017	6/2/2017	6/2/2017	6/7/2017	6/2/2017	6/2/2017	6/1/2017	6/2/2017	6/2/2017	6/1/2017	6/1/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**16**	**60**	**20**	**23**	**20**	**21**	**24**	**29**	**32**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	**2.0**	0.2 U	**5.5**	0.2 U	0.2 U	**0.6**	0.2 U	0.2 U	0.2 U	**0.6**	**0.3**	**4.9**	**2.5**
trans-1,2-Dichloroethene	0.2 U	**0.3**	0.2 U	**0.5**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	**0.3**	0.2 U	**0.7**	**0.5**
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Hexanone	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ
4-Methyl-2-Pentanone (MIBK)	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	**1.2**	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	**2.6**	0.2 U	**1.9**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	**0.3 J**	**0.9**	**0.4**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**2.3**	**6.0**	**1.6**	**1.3**	**3.8**
Vinyl Chloride (by 8260C SIM)	0.020 U	**0.28**	**0.76**	**0.42**	0.020 U	0.020 U	**0.022**	0.020 U	0.020 U	**2.3**	**6.1**	**1.7**	**1.4**	**3.9**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	0.10 U	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	**5.7**	--	--	--	--	--	--	--	1.0 U	1.0 U	1.0 U	**1.7**	1.0 U
Total Organic Carbon	--	**2.4**	--	--	--	--	--	--	--	**8.8**	**20.3**	**14.1**	**4.3**	**6.0**

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW260	AGW261	AGW262	AGW263	AGW264	AGW265	AGW266	AGW267	AGW268	AGW269	AGW270	AGW271	AGW272	AGW273
Zone:	Deep	Shallow	Shallow-WT	Shallow-WT	Deep	Intermediate	Shallow	Intermediate	Deep	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory SDG:	1809998	1807953	1811903	1811687	1808894	1808894	1811699	1808894	1808894	1808868	1808894	1808894	1808868	1808868
Sample Date:	6/5/2017	5/31/2017	6/8/2017	6/7/2017	6/2/2017	6/2/2017	6/7/2017	6/2/2017	6/2/2017	6/1/2017	6/2/2017	6/2/2017	6/1/2017	6/1/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	N	N	N	N	N
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	1.0 U	--	--	--	--	--	--	--	**11**	1.0 U	1.0 U	1.0 U	1.0 U
Ethene	--	1.0 U	--	--	--	--	--	--	--	**1.5 J**	**2.1 J**	1.0 U	1.0 U	1.0 U
Methane	--	**470**	--	--	--	--	--	--	--	**18,000**	**23,000**	**30,000**	**440**	**1,200**
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW274	AGW275	AGW276-2	AGW276-5	AGW276-6	AGW276-6	APP-057	IW34	IW36	IW37
Zone:	Shallow	Shallow	Shallow	Intermediate	Deep	Deep	Shallow	Shallow	Shallow	Shallow
Laboratory SDG:	1808868	1808868	1807953	1807953	1807953	1807953	1811699	1808868	1808868	1808868
Sample Date:	6/1/2017	6/1/2017	5/31/2017	5/31/2017	5/31/2017	5/31/2017	6/7/2017	6/1/2017	6/1/2017	6/1/2017
Sample Type:	N	N	N	N	N	FD	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 826										
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**20**
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**33**
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	**1.9**	0.2 U	**1.3**	**7.8**	**1.8**	**1.7**	0.2 U	**1.7**	**1.3**	**1.8**
trans-1,2-Dichloroethene	**0.4**	0.2 U	0.2 U	**0.7**	0.2 U	0.2 U	0.2 U	**0.4**	**0.4**	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	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-Hexanone	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
4-Methyl-2-Pentanone (MIBK)	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**120**	0.2 U	**1**
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	**0.4**	0.2 U	**4.1**	**4.1**	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	**4.5**	0.2 U	**0.5 J**	**0.8 J**	0.2 UJ	0.2 UJ	0.2 U	**2.2**	**5.4**	**0.3**
Vinyl Chloride (by 8260C SIM)	**4.4**	**0.053**	**0.52**	**1.1**	**0.11**	**0.11**	0.020 U	**1.9**	**5.5**	**0.38**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30										
Total Cyanide	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	0.10 U	0.10 U	0.10 U	0.10 U	--	--	--	--
Sulfate	1.0 U	1.0 U	**4.9**	**28.2**	**7.4**	**7.3**	--	1.0 U	1.0 U	1.0 UJ
Total Organic Carbon	**6.7**	**8.1**	**7.9**	**27.7**	1.0 U	1.0 U	--	**36.6**	**10.3**	**87.6**

Table 1-2
2Q2017 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW274	AGW275	AGW276-2	AGW276-5	AGW276-6	AGW276-6	APP-057	IW34	IW36	IW37
Zone:	Shallow	Shallow	Shallow	Intermediate	Deep	Deep	Shallow	Shallow	Shallow	Shallow
Laboratory SDG:	1808868	1808868	1807953	1807953	1807953	1807953	1811699	1808868	1808868	1808868
Sample Date:	6/1/2017	6/1/2017	5/31/2017	5/31/2017	5/31/2017	5/31/2017	6/7/2017	6/1/2017	6/1/2017	6/1/2017
Sample Type:	N	N	N	N	N	FD	N	N	N	N
Dissolved Gasses (µg/L; RSK-175)										
Ethane	1.0 U	**9.6**	1.0 U	**1.1 J**	1.0 U	1.0 U	--	1.0 U	**2.0 J**	1.0 U
Ethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	--	**2.4 J**	1.0 U	**2.6 J**
Methane	**700**	**17,000**	**210**	**950**	**180 J**	**240 J**	--	**30,000**	**2,800**	**31,000**
Dissolved Metals (mg/L; EPA 200.8)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

Bold text indicates detected analyte.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

U = The compound was not detected at the reported concentration.

UJ = The analyte was not detected in the sample; the reported sample reporting limit is an estimate.

Abbreviations/Acronyms:

ASTM = ASTM International
EPA = US Environmental Protection Agency
FD = field duplicate
µg/L = micrograms per liter
mg/L = milligrams per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDFD = passive diffusion field duplicate
PDN = passive diffusion primary sample
SDG = sample delivery group
SIM = selected ion monitoring
WT = water table

Table 1-3
2Q2017 Groundwater Detects
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW001R	AGW002R	AGW006R	AGW009	AGW010	AGW010	AGW011	AGW014	AGW016	AGW024	AGW025	AGW026	AGW027	AGW029
Zone:	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory SDG:	1811697	1810943	1811902	1809300	1809300	1809300	1809300	1809300	1809300	1807964	1807964	1807964	1807294	1811902
Sample Date:	6/7/2017	6/6/2017	6/8/2017	6/5/2017	6/5/2017	6/5/2017	6/5/2017	6/5/2017	6/5/2017	5/30/2017	5/30/2017	5/30/2017	5/30/2017	6/8/2017
Sample Type:	PDN	N	PDN	N	N	FD	N	N	N	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)														
Acetone	**11**	5.0 U	**17**	5.0 U	5.0 U	5.0 U	--	--	--	**21**	**32**	**52**	**34**	**45**
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	**0.3 J**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	--	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	**0.3**	**0.3**	0.2 U	0.2 U	0.2 U	--	--	--	**1.5**	**2.5**	**0.7**	**0.5**	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	**42**	**47**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**	**0.3 J**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	**1.2**	0.2 U	0.2 U	**0.4**	0.2 U	0.2 U	--	--	--	0.2 U	0.2 U	**0.9**	0.2 U	0.2 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	**1.2**	**1.2**	0.2 U	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	0.020 U	**0.051**	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--	--	--	**0.036**	**0.060**	0.020 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	**16 J**	**13 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
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	**2.0 J**	**0.7 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
General Chemistry (mg/L; ASTM D7511, EPA 300.0, SM 5310C)														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	**0.25 J**	0.10 U	0.10 U	**19.0**	**22.1**	**0.13**	--	--	--	0.10 U	--
Sulfate	--	**1.2**	--	**12.2 J**	**11.9**	**11.9**	**35.5**	**24.9**	**5.3**	--	--	--	1.0 U	--
Total Organic Carbon	--	**2.5**	--	**3.6**	**5.3**	**5.4**	**3.9**	**2.9**	**1.3**	--	--	--	**38.1**	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	1.0 U	--	--	--	--	--	--	--	--	--	--	1.0 U	--
Ethene	--	1.0 U	--	--	--	--	--	--	--	--	--	--	1.0 U	--
Methane	--	**7,500**	--	--	--	--	--	--	--	--	--	--	**2,500**	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	0.099 U	**0.30**	**0.32**	0.1 U	0.10 U	0.10 U	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	0.25 U	0.24 U	0.25 U	0.25 U	0.25 U	0.25 U	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	0.25 U	**1.5**	**1.6**	0.25 U	0.25 U	0.25 U	--	--	--	--	--

Table 1-3
2Q2017 Groundwater Detects
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW030	AGW031R	AGW032	AGW033	AGW034	AGW035	AGW037	AGW039	AGW040	AGW041	AGW044	AGW047	AGW048	AGW048
Zone:	Shallow	Shallow	Shallow-WT	Shallow-WT	Deep	Deep	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow
Laboratory SDG:	1811902	1811903	1807964	1808477	1807964	1808477	1807294	1810943	1810943	1808897	1808560	1810943	1810943	1810943
Sample Date:	6/8/2017	6/8/2017	5/30/2017	6/1/2017	5/30/2017	6/1/2017	5/30/2017	6/6/2017	6/6/2017	6/2/2017	5/31/2017	6/6/2017	6/6/2017	6/6/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	N	PDN	PDN	N	N	N	FD
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**43**	**15**	**41**	7.3 U	**36**	**39**	**18**	5.0 U	**26**	14 U	5.0 U	--	--	--
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--
Bromoform	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	--	--
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	0.2 U	--	--	--
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--
cis-1,2-Dichloroethene	0.2 U	**0.4**	0.2 U	0.2 U	0.2 U	0.2 U	**1.2**	**1.1**	**0.6**	0.2 U	0.2 U	--	--	--
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	--	--	--
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--
Trichloroethene	0.2 U	**1.0**	0.2 U	0.2 U	0.2 U	**2.3**	**1.8**	**0.6**	**1**	0.2 U	0.2 U	--	--	--
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--
Vinyl Chloride (by 8260C SIM)	0.020 U	0.020 U	**0.17**	0.020 U	0.020 U	0.020 U	**0.19**	**0.031**	**0.038**	0.020 U	0.020 U	--	--	--
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	**0.14**	**0.065**	**0.067**
Nitrogen, Nitrate (as N)	--	--	--	0.10 U	--	**0.31**	**0.19**	--	--	--	--	--	--	--
Sulfate	--	--	--	**3.9**	--	**11.3**	**23.4**	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	**3.6**	--	1.0 U	**2.1**	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	1.0 U	--	1.0 U	1.0 U	--	--	--	--	--	--	--
Ethene	--	--	--	1.0 U	--	1.0 U	1.0 U	--	--	--	--	--	--	--
Methane	--	--	--	3.0 U	--	3.0 U	**180**	--	--	--	--	--	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	**0.0105**	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	**0.0033**	**0.0033**
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	0.0020 U	0.0020 U
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	**0.18**	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	0.24 U	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q2017 Groundwater Detects
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW049	AGW050	AGW053R	AGW055R	AGW057R	AGW058R	AGW059R	AGW060R	AGW064	AGW065	AGW066	AGW067	AGW068	AGW069
Zone:	Shallow	Shallow	Shallow-WT	Intermediate	Intermediate	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT
Laboratory SDG:	1810943	1810943	1810943	1811902	1811697	1811697	1811697	1811697	1808897	1811902	1811903	1811697	1808897	1808897
Sample Date:	6/6/2017	6/6/2017	6/6/2017	6/8/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/2/2017	6/8/2017	6/8/2017	6/7/2017	6/2/2017	6/2/2017
Sample Type:	N	N	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	--	--	**19**	**19**	**27**	5.0 U	5.0 U	**35**	**58**	**25**	10 U	**35**	**32**	**35**
Benzene	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	--	--	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	--	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	--	--	0.2 U	**1.3**	0.2 U	0.2 U	0.2 U	**2.7**	0.2 U	0.2 U	**0.6**	**3.4**	0.2 U	0.2 U
trans-1,2-Dichloroethene	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	--	--	**0.2**	0.2 U	**0.4**	**0.3**	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	--	--	**1.1**	**0.5**	**1.3**	0.2 U	0.2 U	**0.9**	0.2 U	0.2 U	**2.6**	**5.2**	0.2 U	0.2 U
Vinyl Chloride	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	--	--	0.020 U	**0.14**	0.020 U	0.020 U	0.020 U	**0.061**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
m,p-Xylene	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	**0.053**	**2.0**	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	**0.0062**	**0.0519**	--	--	--	--	--	--	--	--	--	--	--	--
Copper	**0.745**	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	**0.0525**	**0.174**	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q2017 Groundwater Detects
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW072	AGW073	AGW074	AGW078	AGW079	AGW081	AGW085	AGW087	AGW088	AGW089	AGW090	AGW091	AGW095R	AGW098R
Zone:	Intermediate	Deep	Shallow-WT	Shallow	Shallow	Shallow-WT	Shallow-WT	Intermediate	Shallow-WT	Intermediate	Shallow	Intermediate	Intermediate	Deep
Laboratory SDG:	1811902	1811902	1811902	1807964	1807964	1808895	1808562	1811904	1811904	1811904	1811904	1811904	1811903	1811903
Sample Date:	6/8/2017	6/8/2017	6/8/2017	5/30/2017	5/30/2017	6/2/2017	5/31/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**18**	5.0 U	7.6 U	**45**	**35**	**48**	**25**	**27**	**27**	**23**	**39**	**34**	8.5 U	**50**
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	**1.4**	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**1.3**	**0.6**
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	**1.6**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	0.020 U	0.020 U	0.020 U	0.020 U	--	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q2017 Groundwater Detects
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW098R	AGW104	AGW106R	AGW110R	AGW110R	AGW112R	AGW115	AGW116	AGW117	AGW118	AGW119	AGW120	AGW125	AGW126
Zone:	Deep	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Intermediate	Shallow	Shallow	Intermediate
Laboratory SDG:	1811903	1807964	1810943	1811687	1811687	1810943	1808562	1808562	1808867	1808562	1811902	1811902	1811904	1811904
Sample Date:	6/8/2017	5/30/2017	6/6/2017	6/7/2017	6/7/2017	6/6/2017	5/31/2017	5/31/2017	6/1/2017	5/31/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017
Sample Type:	PDFD	PDN	N	N	FD	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**48**	**73**	5.0 U	5.0 U	5.0 U	5.0 U	**41**	**21**	**19**	**35**	**40**	**29**	**32**	**26**
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	**0.5**	**0.5**	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 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**1.2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**2.2**	**7.1**
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	0.2 U	**0.3**	**0.5**	**0.5**	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	**0.6**	0.2 U	**0.2**	0.2 U	0.2 U	**0.8**	0.2 U	0.2 U	**0.3**	**0.3**	0.2 U	0.2 U	**6.7**	**8.1**
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.7**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	0.020 U	0.020 U	0.020 U	**0.13**	**0.14**	0.020 U	**0.73**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.022**	**0.048**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	**15.8**	**3.4**	**3.3**	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	1.0 U	**2.9**	**3.0**	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	1.0 U	1.0 U	1.0 U	--	--	--	--	--	--	--	--	--
Ethene	--	--	1.0 U	1.0 U	1.0 U	--	--	--	--	--	--	--	--	--
Methane	--	--	**350**	**4,800**	**5,300**	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q2017 Groundwater Detects
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW127	AGW128	AGW129	AGW130	AGW131	AGW133	AGW134	AGW135	AGW136	AGW137	AGW138	AGW139	AGW140	AGW141
Zone:	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow	Shallow	Shallow	Intermediate	Deep	Intermediate	Intermediate	Intermediate
Laboratory SDG:	1808897	1808560	1808562	1808562	1807964	1807964	1811902	1811902	1808897	1808897	1808897	1808897	1811902	1808897
Sample Date:	6/2/2017	5/31/2017	5/31/2017	5/31/2017	5/30/2017	5/30/2017	6/8/2017	6/8/2017	6/2/2017	6/2/2017	6/2/2017	6/2/2017	6/8/2017	6/2/2017
Sample Type:	PDN	N	PDN	N	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**32**	**8.4**	**33**	**22**	**31**	**45**	**31**	**25**	**20**	**23**	**27**	**20**	**21**	**21**
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	0.5 U	**7.4**	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	0.5 U	0.5 U
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	**1.2**	0.2 U	0.2 U	**0.3**	**0.2**	**1.1**	0.2 U	**0.3**	**2.8**	**0.3**
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	**0.6**	**0.3**	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	**1.4**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	**0.9**	**0.6**	**3.7**	**0.6**	**3.6**	**4.4**	**2.2**
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	**2.0**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	0.020 U	0.020 U	0.020 U	0.020 U	--	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.16**	0.020 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	**1.1**	--	0.098 U	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	**1.3**	--	0.24 U	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q2017 Groundwater Detects
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW142	AGW143	AGW144	AGW145	AGW146	AGW147	AGW148	AGW149	AGW150	AGW151	AGW152	AGW153	AGW154	AGW155
Zone:	Deep	Deep	Intermediate	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Shallow	Shallow	Intermediate	Intermediate
Laboratory SDG:	1808897	1807961	1807961	1811699	1811699	1811699	1811699	1811699	1808897	1808897	1807964	1808897	1807964	1807964
Sample Date:	6/2/2017	5/31/2017	5/31/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/2/2017	6/2/2017	5/30/2017	6/2/2017	5/30/2017	5/30/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**18**	5.0 U	5.0 U	**33**	8.3 U	**28**	**30**	**39**	**15**	**21**	**51**	7.9 U	**33**	6.2 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	0.2 U	0.2 U	0.2 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	**0.6**	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	**2.1**	0.2 U	**9.3**	**1.4**	**6.9**	**1.7**	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	**2.1**
trans-1,2-Dichloroethene	0.2 U	**0.4**	0.2 U	**1.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	**1.1**	0.2 U	**13**	**4.8**	**0.2**	**4.2**	**3.9**	**1.4**	**0.4**	0.2 U	0.2 U	**0.3**	0.2 U
Vinyl Chloride	0.2 U	**0.3 J**	0.2 UJ	**1.1**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**2.6**	0.2 U	0.2 U	**10**
Vinyl Chloride (by 8260C SIM)	0.020 U	**0.35**	0.020 U	--	**0.087**	**0.077**	**0.029**	0.020 U	0.020 U	0.020 U	--	0.020 U	**0.033**	--
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	0.10 U	0.10 U	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	**6.0**	1.0 U	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	1.0 U	1.0 U	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	1.0 U	1.0 U	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	1.0 U	1.0 U	--	--	--	--	--	--	--	--	--	--	--
Methane	--	**160**	**1,900**	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q2017 Groundwater Detects
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW156	AGW157	AGW158	AGW159	AGW160	AGW161	AGW162	AGW163	AGW163	AGW164	AGW165	AGW166	AGW167	AGW168
Zone:	Intermediate	Intermediate	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Shallow	Intermediate	Deep	Intermediate
Laboratory SDG:	1807294	1811699	1808894	1808894	1811699	1810788	1811902	1808867	1808867	1807294	1807294	1808894	1808894	1811903
Sample Date:	5/30/2017	6/7/2017	6/2/2017	6/2/2017	6/7/2017	6/6/2017	6/8/2017	6/1/2017	6/1/2017	5/30/2017	5/30/2017	6/2/2017	6/2/2017	6/8/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDFD	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	5.0 U	**21**	**26**	**77**	**72**	**27**	**12**	**15**	**11**	**36**	**33**	**100**	**80**	**32**
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	**2.2**	**0.5**	**0.3**	**0.3**	0.2 U	0.2 U	**1.5**	**1.5**	**0.2**	**2.4**	**1.3**	**2.5**	**1.7**
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	**0.2**	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	**4.0**	**2.2**	**3.0**	**3.1**	**1.6**	**0.6**	**4.2**	**4.6**	**1.6**	**2.4**	0.2 U	**6.3**	**6.0**
Vinyl Chloride	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.6**	**0.3**	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	--	**0.29**	**0.030**	0.020 U	0.020 U	0.020 U	0.020 U	**0.047**	**0.046**	0.020 U	**0.80**	**0.34**	**0.15**	**0.052**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	**0.18**	--	--	--	--	--	--	--	--	0.10 U	0.10 U	--	--	--
Sulfate	**7.7**	--	--	--	--	--	--	--	--	**10 J**	**7.0**	--	--	--
Total Organic Carbon	**1.5**	--	--	--	--	--	--	--	--	1.0 U	**1.5**	--	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	1.0 U	--	--	--	--	--	--	--	--	1.0 U	1.0 U	--	--	--
Ethene	1.0 U	--	--	--	--	--	--	--	--	1.0 U	1.0 U	--	--	--
Methane	**5,100**	--	--	--	--	--	--	--	--	**21**	**580**	--	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q2017 Groundwater Detects
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW169	AGW170	AGW171	AGW172	AGW173	AGW174	AGW175	AGW176	AGW177	AGW178	AGW179	AGW180	AGW181	AGW182
Zone:	Deep	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Intermediate	Deep	Intermediate	Intermediate
Laboratory SDG:	1811903	1811903	1811903	1811904	1811904	1810233	1810233	1808477	1811904	1811904	1811903	1811903	1811699	1807299
Sample Date:	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/5/2017	6/5/2017	6/1/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/7/2017	5/30/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	N	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**49**	**72**	**24**	**19**	**28**	**23**	5.0 U	5.0 U	**53**	**67**	**74**	**88**	**30**	**100**
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	0.2 U	**0.2**	0.2 U
cis-1,2-Dichloroethene	**1.2**	**0.3**	0.2 U	**0.4**	**0.9**	0.2 U	**0.3**	**0.3**	**1.6**	**0.4**	**6.5**	0.2 U	**1.3**	**2.4**
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	**6.9**	**2.6**	**1.5**	**6.0**	**3.8**	**1.7**	**2.2**	**3.2**	**5.2**	**4.8**	0.2 U	**3.5**	**5.5**	**1.7**
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	**0.037**	0.020 U	0.020 U	0.020 U	**0.031**	0.020 U	0.020 U	0.020 U	**0.024**	0.020 U	**0.094**	0.020 U	**0.033**	**0.17**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	**0.47**	--	--	--	--	--	0.10 U
Sulfate	--	--	--	--	--	--	--	**13.8**	--	--	--	--	--	**10**
Total Organic Carbon	--	--	--	--	--	--	--	**1.7**	--	--	--	--	--	**1.4**
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	1.0 U	--	--	--	--	--	1.0 U
Ethene	--	--	--	--	--	--	--	1.0 U	--	--	--	--	--	1.0 U
Methane	--	--	--	--	--	--	--	3.0 U	--	--	--	--	--	**180**
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q2017 Groundwater Detects
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW183	AGW184	AGW185	AGW186	AGW187	AGW188	AGW189	AGW190	AGW191	AGW192	AGW192	AGW193	AGW194	AGW195
Zone:	Deep	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Deep	Shallow	Shallow	Deep
Laboratory SDG:	1807299	1811697	1810233	1811697	1810233	1811699	1811697	1811699	1811687	1811687	1811687	1808894	1808894	1811904
Sample Date:	5/30/2017	6/7/2017	6/5/2017	6/7/2017	6/5/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/2/2017	6/2/2017	6/8/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	N	PDN	PDN	PDN	PDN	PDFD	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**34**	**36**	**43**	**30**	**19**	5.0 U	**41**	**34**	19 U	**25**	**24**	**32**	**21**	**44**
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**1.7**	**0.8**	**0.8**
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	**0.5**	**2.6**	**0.6**	**1.6**	**4.6**	**0.9**	**1.3**	0.2 U	0.2 U	0.2 U	**3.5**	**1.9**	**7.8**
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	0.020 U	0.020 U	0.020 U	0.020 U	**0.021**	**0.025**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.17**	**0.025**	0.020 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	0.10 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	1.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	**1.4**	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	1.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	1.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	**1,300**	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q2017 Groundwater Detects
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW196	AGW197	AGW198	AGW199	AGW200-2	AGW200-5	AGW200-6	AGW201-2	AGW201-5	AGW201-6	AGW202-2	AGW202-4	AGW202-6	AGW203-2
Zone:	Intermediate	Deep	Intermediate	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Shallow
Laboratory SDG:	1811904	1811904	1811904	1808477	1807956	1807956	1807956	1807961	1807961	1807961	1808481	1808481	1808481	1808867
Sample Date:	6/8/2017	6/8/2017	6/8/2017	6/1/2017	5/31/2017	5/31/2017	5/31/2017	5/31/2017	5/31/2017	5/31/2017	6/1/2017	6/1/2017	6/1/2017	6/1/2017
Sample Type:	PDN	PDN	PDN	PDN	N	N	N	N	N	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**13**	**30**	**20**	**12**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	**1.0**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	**0.4**	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	**4.7**	**0.8**	**0.6**	**0.9**	**2.6**	**5.2**	**3.4**	**2.2**	**1.2**	**4.5**	**0.9**	**1.2**	**0.3**	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	**0.5**	**0.4**	0.2 U	0.2 U	**0.4**	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	**12**	**8.6**	**2.8**	**0.3**	**1.8**	**0.7**	**0.7**	**4.6**	**7.9**	**1.7**	**3.3**	**1**	**0.6**
Vinyl Chloride	**2.0**	0.2 U	0.2 U	0.2 U	**1.0 J**	**1 J**	**0.8 J**	**0.9**	0.2 UJ	**0.5 J**	0.2 U	**0.3**	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	--	0.020 U	0.020 U	**0.028**	--	--	--	--	--	**0.52**	**0.073**	--	**0.024**	0.020 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	**0.13**	0.10 U	0.10 U	0.10 U	0.10 U	--
Sulfate	--	--	--	**13.5**	**4.9**	**4.1**	**4.6**	**6.9 J**	**12.5**	**9.4**	**12.5**	**11.4**	**7.2**	--
Total Organic Carbon	--	--	--	**1.9**	**4.9**	1.0 U	1.0 U	**3.1**	1.0 U	1.0 U	**1.3**	1.0 U	1.0 U	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	--
Ethene	--	--	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	--
Methane	--	--	--	**38**	**110**	**290**	**630**	**230**	**120**	**160**	**42**	**340**	**69**	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q2017 Groundwater Detects
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW203-4	AGW203-6	AGW204	AGW205	AGW206	AGW207-2	AGW207-4	AGW207-4	AGW207-7	AGW208-2	AGW208-4	AGW208-6	AGW209-2	AGW209-5
Zone:	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Shallow	Intermediate	Intermediate	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate
Laboratory SDG:	1808867	1808895	1807964	1807964	1807964	1808895	1808895	1808895	1808895	1808481	1808481	1808481	1808895	1808895
Sample Date:	6/1/2017	6/2/2017	5/30/2017	5/30/2017	5/30/2017	6/2/2017	6/2/2017	6/2/2017	6/2/2017	6/1/2017	6/1/2017	6/1/2017	6/2/2017	6/2/2017
Sample Type:	N	N	PDN	PDN	PDN	N	N	FD	N	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	5.0 U	5.0 U	5.0 U	17 U	**60**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	0.2 U	0.2 U	0.2 U	**0.3**
cis-1,2-Dichloroethene	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	**3.9**	**2.2**	**2.3**	**0.6**	**4.4**	**0.9**	**0.8**	0.2 U	**1.6**
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	**0.4**	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	**3.4**	0.2 U	0.2 U	0.2 U	**0.3**	**6.3**	**6.8**	**6.6**	**5.7**	**2.6**	**3.9**	**5.0**	0.2 U	**2.5**
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**2.5**	0.2 U	0.2 U	**1.4**	**1.2**
Vinyl Chloride (by 8260C SIM)	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.15**	**0.12**	**0.12**	**0.023**	--	0.020 U	0.020 U	--	**1.1**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	0.10 U	0.10 U	**0.44**	--	--
Sulfate	--	--	--	--	--	--	--	--	--	**1.7**	**15.3**	**13.5**	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	**9.8**	1.0 U	1.0 U	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	--	1.0 U	1.0 U	1.0 U	--	--
Ethene	--	--	--	--	--	--	--	--	--	1.0 U	1.0 U	1.0 U	--	--
Methane	--	--	--	--	--	--	--	--	--	**630**	**52**	**45**	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q2017 Groundwater Detects
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW209-6	AGW210-2	AGW210-5	AGW210-6	AGW211-2	AGW211-5	AGW211-6	AGW212-2	AGW212-5	AGW212-7	AGW213	AGW214	AGW215	AGW216
Zone:	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Deep	Intermediate	Intermediate	Intermediate
Laboratory SDG:	1808895	1808481	1808481	1808481	1810233	1810233	1810233	1810233	1810233	1810233	1811699	1810788	1808477	1811902
Sample Date:	6/2/2017	6/1/2017	6/1/2017	6/1/2017	6/5/2017	6/5/2017	6/5/2017	6/5/2017	6/5/2017	6/5/2017	6/7/2017	6/6/2017	6/1/2017	6/8/2017
Sample Type:	N	N	N	N	N	N	N	N	N	N	PDN	N	N	N
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**33**	5.0 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	**1**	**0.2**	**0.8**	**0.2**	0.2 U	**1.1**	**0.6**	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	**5.8**	0.2 U	**2.9**	**4.2**	0.2 U	**3.1**	**1.9**	0.2 U	**1.1**	**4.6**	0.2 U	**2.8**	0.2 U	**1.0**
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	**0.022**	0.020 U	**0.031**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.025**	0.020 U	0.020 U	0.020 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	0.10 U	0.10 U	**0.26**	--	--	--	--	--	--	--	--	0.10 U	--
Sulfate	--	1.0 U	**11.5**	**15.5**	--	--	--	--	--	--	--	--	**9.6 J**	--
Total Organic Carbon	--	**18.5**	**4.3**	1.0 U	--	--	--	--	--	--	--	--	**1.2**	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	1.0 U	1.0 U	1.0 U	--	--	--	--	--	--	--	--	1.0 U	--
Ethene	--	1.0 U	1.0 U	1.0 U	--	--	--	--	--	--	--	--	1.0 U	--
Methane	--	**9,100**	**160**	**120**	--	--	--	--	--	--	--	--	**45**	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q2017 Groundwater Detects
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW217	AGW218	AGW219	AGW220	AGW221	AGW221	AGW222	AGW223	AGW224	AGW224	AGW225	AGW226	AGW227	AGW228
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Shallow-WT	Shallow-WT	Shallow	Shallow	Intermediate	Shallow
Laboratory SDG:	1810788	1810788	1810788	1810788	1811697	1811697	1808562	1807964	1807299	1807299	1811687	1810786	1811903	1811684
Sample Date:	6/6/2017	6/6/2017	6/6/2017	6/6/2017	6/7/2017	6/7/2017	5/31/2017	5/30/2017	5/30/2017	5/30/2017	6/7/2017	6/6/2017	6/8/2017	6/7/2017
Sample Type:	N	N	PDN	N	N	FD	PDN	PDN	PDN	PDFD	N	N	PDN	N
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	5.0 U	5.0 U	**20**	5.0 U	5.0 U	5.0 U	**34**	7.6 U	5.0 U	5.0 U	5.0 U	5.0 U	**99**	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	**0.2**	**0.4**	0.2 U	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**4.5**	**3.4**	**2.9**	**3.1**
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**	**0.3**	**0.4**	**0.4 J**
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	**1.9**	**3.7**	0.2 U	**0.5**	0.2 U	0.2 U	**0.6**	0.2 U	0.2 U	0.2 U	**2.5**	**3.9**	**2.0**	**3.3**
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	**0.5**	**0.3**	**0.3**
Vinyl Chloride (by 8260C SIM)	**0.021**	**0.022**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.40**	**0.44**	**0.26**	**0.25**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	**0.17**	**0.17**	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	**43.1**	**41.5**	**4.9**	**7.5**	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	**5.2**	**5.2**	**3.8**	**2.3**	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	1.0 U	1.0 U	1.0 U	1.0 U	--	--
Ethene	--	--	--	--	--	--	--	--	1.0 U	1.0 U	1.0 U	1.0 U	--	--
Methane	--	--	--	--	--	--	--	--	**7.2 J**	3.0 UJ	**280**	**970**	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q2017 Groundwater Detects
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW229	AGW230	AGW231	AGW232	AGW233	AGW234	AGW235-2	AGW235-4	AGW235-7	AGW236	AGW237	AGW238	AGW239	AGW240-1
Zone:	Shallow-WT	Deep	Shallow	Shallow	Deep	Deep	Shallow	Intermediate	Deep	Shallow	Deep	Intermediate	Shallow	Shallow-WT
Laboratory SDG:	1811903	1811697	1811904	1811904	1810233	1808477	1808895	1808895	1808895	1807961	1810788	1810788	1810788	1810786
Sample Date:	6/8/2017	6/7/2017	6/8/2017	6/8/2017	6/5/2017	6/1/2017	6/2/2017	6/2/2017	6/2/2017	5/31/2017	6/6/2017	6/6/2017	6/6/2017	6/6/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	N	N	N	N	PDN	PDN	N	N
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**32**	**25**	**38**	**19**	**16**	**30**	5.0 U	5.0 U	5.0 U	5.0 U	**32**	**39**	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	**0.9**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.7**	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	**0.4**	**0.3**	**0.4**	0.2 U	0.2 U	**1.1**	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	**0.9**	0.2 U	**2.2**	**4.6**	0.2 U	**1.9**	**2.6**	**9.4**	0.2 U	**4.6**	**1**	0.2 U	**6.9**	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	**2.5**	**1.2**	**0.4**	0.2 U	0.2 U	**8.8**	0.2 U	**4.1**	0.2 U	**4.3**	**1.4**	0.2 U	0.2 U	0.2 U
Vinyl Chloride	0.2 U	0.2 U	**1.4**	**2.6**	0.2 U	0.2 U	**2.8**	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	**1.0**	0.2 U
Vinyl Chloride (by 8260C SIM)	0.020 U	0.020 U	--	--	0.020 U	**0.13**	**2.8**	**0.12**	**0.021**	**0.059**	**0.039**	0.020 U	**0.82**	**0.049**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	0.10 U	--	--	--	0.10 U	--	--	--	--
Sulfate	--	--	--	--	--	**12.3**	--	--	--	**7.5**	--	--	--	1.0 U
Total Organic Carbon	--	--	--	--	--	**1.1**	--	--	--	1.0 U	--	--	--	**7.1**
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	1.0 U	--	--	--	1.0 U	--	--	--	**1.1 J**
Ethene	--	--	--	--	--	1.0 U	--	--	--	1.0 U	--	--	--	1.0 U
Methane	--	--	--	--	--	**27**	--	--	--	**3,500**	--	--	--	**1,200**
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q2017 Groundwater Detects
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW240-5	AGW240-5	AGW241-1	AGW241-5	AGW242-1	AGW242-2	AGW242-5	AGW243-1	AGW243-3	AGW243-5	AGW244	AGW245	AGW246	AGW247-1
Zone:	Shallow	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT
Laboratory SDG:	1810786	1810786	1810786	1810786	1809998	1810786	1810786	1807299	1807299	1807299	1809998/1821845	1811903	1811903	1809998/1821845
Sample Date:	6/6/2017	6/6/2017	6/6/2017	6/6/2017	6/5/2017	6/6/2017	6/6/2017	5/30/2017	5/30/2017	5/30/2017	6/5/2017	6/8/2017	6/8/2017	6/5/2017
Sample Type:	N	FD	N	N	N	N	N	N	N	N	N	PDN	PDN	N
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**7.1**	5.0 U	5.0 U	5.0 U	**20**	**26**	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	**0.6**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**4.8**
Vinyl Chloride (by 8260C SIM)	**0.074**	**0.076**	0.020 U	**0.036**	**0.24**	0.020 U	0.020 U	**0.030**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**4.7**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	0.10 U	0.10 U	0.10 U	0.10 U	--	--	--
Sulfate	1.0 U	1.0 U	--	--	--	--	--	1.0 U	1.0 U	1.0 U	**3.8 J**	--	--	1.0 U
Total Organic Carbon	**4.8**	**4.8**	--	--	--	--	--	**45.3**	**3.9**	**2.4**	**53.1**	--	--	**9.2**
Dissolved Gasses (µg/L; RSK-175)														
Ethane	**7.6**	**8.1**	--	--	--	--	--	1.0 U	1.0 U	1.0 U	1.0 U	--	--	1.0 U
Ethene	1.0 U	1.0 U	--	--	--	--	--	1.0 U	1.0 U	1.0 U	1.0 U	--	--	1.0 U
Methane	**9,500**	**9,400**	--	--	--	--	--	**10,000**	**13,000**	**7,800 J**	**4,600**	--	--	**6,700**
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q2017 Groundwater Detects
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW247-5	AGW247-5	AGW248-1	AGW248-5	AGW249-1	AGW249-5	AGW250-1	AGW250-2	AGW250-3	AGW250-6	AGW251-1	AGW251-2	AGW251-3	AGW251-6
Zone:	Shallow	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Intermediate	Deep	Shallow-WT	Shallow	Intermediate	Deep
Laboratory SDG:	1809998/1821845	1809998/1821845	1810786	1810786	1809998	1809998	1811684	1811684	1811684	1811684	1811684	1811684	1811684	1811684
Sample Date:	6/5/2017	6/5/2017	6/6/2017	6/6/2017	6/5/2017	6/5/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017
Sample Type:	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	**1.2**	**1.2**	0.2 U	**1.9**	0.2 U	**2.2**	0.2 U	0.2 U	**1.0**	0.2 U	0.2 U	0.2 U	**0.6**	**0.4**
trans-1,2-Dichloroethene	**0.5**	**0.5**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	**4.9**	0.2 U	**6.6**	0.2 U	**0.2**	**0.5**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride	**2.6**	**2.7**	0.2 U	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**1.0**	**2.3**	**6.6**	**0.3**
Vinyl Chloride (by 8260C SIM)	**2.6**	**2.7**	**0.053**	**0.14**	**0.20**	**0.093**	0.020 U	**0.030**	**0.056**	0.020 U	**0.76**	**2.1**	**6.2**	**0.24**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	1.0 U	1.0 U	--	--	--	--	--	--	--	--	**69.7**	1.0 U	1.0 U	--
Total Organic Carbon	**5.4**	**5.5**	--	--	--	--	--	--	--	--	**11.5**	**8.6**	**8.8**	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	**2.1 J**	**2.0 J**	--	--	--	--	--	--	--	--	1.0 U	**2.6 J**	**1.9 J**	--
Ethene	1.0 U	1.0 U	--	--	--	--	--	--	--	--	1.0 U	**2.3 J**	1.0 U	--
Methane	**1,600**	**1,600**	--	--	--	--	--	--	--	--	**410**	**3,200**	**2,900**	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q2017 Groundwater Detects
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW252	AGW253	AGW254-1	AGW254-2	AGW254-5	AGW255-1	AGW255-1	AGW255-3	AGW255-5	AGW256	AGW257	AGW257	AGW258	AGW259
Zone:	Deep	Intermediate	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow	Intermediate	Intermediate	Shallow	Shallow	Shallow	Deep
Laboratory SDG:	1811699	1811699	1810788	1810788	1810788	1807956	1807956	1807956	1807956	1811697	1811697	1811697	1811697	1810788
Sample Date:	6/7/2017	6/7/2017	6/6/2017	6/6/2017	6/6/2017	5/31/2017	5/31/2017	5/31/2017	5/31/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/6/2017
Sample Type:	PDN	PDN	N	N	N	N	FD	N	N	PDN	PDN	PDFD	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**22**	**55**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**36**	5.0 U	5.0 U	**47**	**67**
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**2.8**	**2.7**	**1.3**	**0.9**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	**0.3**	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.6**	**0.6**	0.2 U	0.2 U	**0.9**	**0.3**	**0.3**	0.2 U	0.2 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2 J**	**0.3**	0.2 U	**0.2 J**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride (by 8260C SIM)	0.020 U	0.020 U	0.020 U	**0.035**	0.020 U	**0.26**	**0.25**	**0.20**	**0.23**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	--	--	--	0.10 UJ	0.10 U	0.10 U	0.10 U	--	--	--	--	--
Sulfate	--	--	--	--	--	**1.9**	**2.0**	1.0 U	1.0 U	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	**6.5**	**6.4**	**4.3**	**13.2**	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	1.0 U	1.0 U	1.0 U	1.0 U	--	--	--	--	--
Ethene	--	--	--	--	--	1.0 U	1.0 U	1.0 U	1.0 U	--	--	--	--	--
Methane	--	--	--	--	--	**2,100**	**2,000**	**1,300**	**4,600**	--	--	--	--	--
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q2017 Groundwater Detects
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW260	AGW261	AGW262	AGW263	AGW264	AGW265	AGW266	AGW267	AGW268	AGW269	AGW270	AGW271	AGW272	AGW273
Zone:	Deep	Shallow	Shallow-WT	Shallow-WT	Deep	Intermediate	Shallow	Intermediate	Deep	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory SDG:	1809998	1807953	1811903	1811687	1808894	1808894	1811699	1808894	1808894	1808868	1808894	1808894	1808868	1808868
Sample Date:	6/5/2017	5/31/2017	6/8/2017	6/7/2017	6/2/2017	6/2/2017	6/7/2017	6/2/2017	6/2/2017	6/1/2017	6/2/2017	6/2/2017	6/1/2017	6/1/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 826														
Acetone	**16**	**60**	**20**	**23**	**20**	**21**	**24**	**29**	**32**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	**2.0**	0.2 U	**5.5**	0.2 U	0.2 U	**0.6**	0.2 U	0.2 U	0.2 U	**0.6**	**0.3**	**4.9**	**2.5**
trans-1,2-Dichloroethene	0.2 U	**0.3**	0.2 U	**0.5**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	**0.3**	0.2 U	**0.7**	**0.5**
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	**1.2**	0.2 U	0.2 U
Trichloroethene	0.2 U	**2.6**	0.2 U	**1.9**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	0.2 U
Vinyl Chloride	0.2 U	**0.3 J**	**0.9**	**0.4**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**2.3**	**6.0**	**1.6**	**1.3**	**3.8**
Vinyl Chloride (by 8260C SIM)	0.020 U	**0.28**	**0.76**	**0.42**	0.020 U	0.020 U	**0.022**	0.020 U	0.020 U	**2.3**	**6.1**	**1.7**	**1.4**	**3.9**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30														
Total Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	0.10 U	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	**5.7**	--	--	--	--	--	--	--	1.0 U	1.0 U	1.0 U	**1.7**	1.0 U
Total Organic Carbon	--	**2.4**	--	--	--	--	--	--	--	**8.8**	**20.3**	**14.1**	**4.3**	**6.0**
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	1.0 U	--	--	--	--	--	--	--	**11**	1.0 U	1.0 U	1.0 U	1.0 U
Ethene	--	1.0 U	--	--	--	--	--	--	--	**1.5 J**	**2.1 J**	1.0 U	1.0 U	1.0 U
Methane	--	**470**	--	--	--	--	--	--	--	**18,000**	**23,000**	**30,000**	**440**	**1,200**
Dissolved Metals (mg/L; EPA 200.8)														
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q2017 Groundwater Detects
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW274	AGW275	AGW276-2	AGW276-5	AGW276-6	AGW276-6	APP-057	IW34	IW36	IW37
Zone:	Shallow	Shallow	Shallow	Intermediate	Deep	Deep	Shallow	Shallow	Shallow	Shallow
Laboratory SDG:	1808868	1808868	1807953	1807953	1807953	1807953	1811699	1808868	1808868	1808868
Sample Date:	6/1/2017	6/1/2017	5/31/2017	5/31/2017	5/31/2017	5/31/2017	6/7/2017	6/1/2017	6/1/2017	6/1/2017
Sample Type:	N	N	N	N	N	FD	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 826										
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**20**
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	0.5 U	0.5 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**33**
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	**1.9**	0.2 U	**1.3**	**7.8**	**1.8**	**1.7**	0.2 U	**1.7**	**1.3**	**1.8**
trans-1,2-Dichloroethene	**0.4**	0.2 U	0.2 U	**0.7**	0.2 U	0.2 U	0.2 U	**0.4**	**0.4**	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**120**	0.2 U	**1**
Trichloroethene	0.2 U	0.2 U	**0.4**	0.2 U	**4.1**	**4.1**	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride	**4.5**	0.2 U	**0.5 J**	**0.8 J**	0.2 UJ	0.2 UJ	0.2 U	**2.2**	**5.4**	**0.3**
Vinyl Chloride (by 8260C SIM)	**4.4**	**0.053**	**0.52**	**1.1**	**0.11**	**0.11**	0.020 U	**1.9**	**5.5**	**0.38**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry (mg/L; ASTM D7511, EPA 30										
Total Cyanide	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate (as N)	--	--	0.10 U	0.10 U	0.10 U	0.10 U	--	--	--	--
Sulfate	1.0 U	1.0 U	**4.9**	**28.2**	**7.4**	**7.3**	--	1.0 U	1.0 U	1.0 UJ
Total Organic Carbon	**6.7**	**8.1**	**7.9**	**27.7**	1.0 U	1.0 U	--	**36.6**	**10.3**	**87.6**
Dissolved Gasses (µg/L; RSK-175)										
Ethane	1.0 U	**9.6**	1.0 U	**1.1 J**	1.0 U	1.0 U	--	1.0 U	**2.0 J**	1.0 U
Ethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	--	**2.4 J**	1.0 U	**2.6 J**
Methane	**700**	**17,000**	**210**	**950**	**180 J**	**240 J**	--	**30,000**	**2,800**	**31,000**
Dissolved Metals (mg/L; EPA 200.8)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons(mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

Bold text indicates detected analyte.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

U = The compound was not detected at the reported concentration.

UJ = The analyte was not detected in the sample; the reported sample reporting limit is an estimate.

Abbreviations/Acronyms:

ASTM = ASTM International
EPA = US Environmental Protection Agency
FD = field duplicate
µg/L = micrograms per liter
mg/L = milligrams per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDFD = passive diffusion field duplicate
PDN = passive diffusion primary sample
SDG = sample delivery group
SIM = selected ion monitoring
WT = water table

Table 1-4
Phase VII Groundwater Sampling Matrix
Boeing Auburn Facility
Auburn, Washington

Well	Groundwater Zone	Description	Location	Phase VII Frequency	VOCs 8260 (a)	VOCs VC 8260 SIM (b)	NA Parameters (c)	Metals 200.8 (f)	TPH-Dx NWTPH-Dx (d)	TPH-G NWTPH-Gx	Sampling Method
AGW001R	S	Property Boundary	SE of Prologis Bldg	SA	X	A					PDB
AGW002R	S	Area 1	In Prologis Bldg	SA	X	X	X				Low Flow
AGW006R	S	Area 1	W of Prologis Bldg	SA	X	X					PDB
AGW009	S	AOC A-01	NW of Bldg 17-06	A	X	X					PDB
AGW010	S	AOC A-01	NW of Bldg 17-06	SA	X	X			X	X	Low Flow
AGW024	S	SWMU S-06/Bldg 17-15	WWPTP	SA	X						PDB
AGW025	S	SWMU S-06/Bldg 17-15	E of WWPTP	SA	X						PDB
AGW026	S	SWMU-13	W of Bldg 17-07	SA	X	X					PDB
AGW027	S	SWMU S-13	N of Bldg 17-07	SA	X	X					PDB
AGW029	S	Property Boundary	W of WWPTP	A	X	X					PDB
AGW030	S	Property Boundary	W of WWPTP	A	X	X					PDB
AGW031R	S	Property Boundary	NW of Prologis Bldg	SA	X	X					PDB
AGW032	S	Property Boundary	N of WWPTP	SA	X	X					PDB
AGW033	S	Property Boundary	N of Bldg 17-70	SA	X	X					PDB
AGW034	D	Property Boundary	WWPTP	A	X	X					PDB
AGW035	D	Property Boundary	N of Bldg 17-70	A	X	X					PDB
AGW037	S	SWMU S-13	S Part of Bldg 17-07	SA	X	X					PDB
AGW039	S	AOC A-10	N Part of Bldg 17-10	A	X	X		As			Low Flow
AGW040	S	AOC A-10	N Part of Bldg 17-10	A	X	X					PDB
AGW041	S	Bldg. 17-06 - SWMU S-16	E of Bldg 17-06	A	X	X					PDB
AGW044	S	Bldg. 17-06 - SWMU S-16	Bldg 17-06; Col E10	A	X	X			X		Low Flow
AGW048	S	Acid Scrubber-A	AOC A-09	Between Bldgs 17-07 and 17-10	A			Cd, Ni			Low Flow
AGW049	S	Acid Scrubber-A	AOC A-09	Between Bldgs 17-07 and 17-10	SA			Cd, Ni			Low Flow
AGW050	S	Acid Scrubber-A	AOC A-09	Between Bldgs 17-07 and 17-10	SA			Cd, Ni			Low Flow
AGW053R	S	Area 1	In Prologis Bldg	SA	X	X					PDB
AGW055R	I	Area 1	W of Prologis Bldg	SA	X	X					PDB
AGW057R	I	S End of Area 1	S of Prologis Bldg	SA	X	A					PDB
AGW058R	S	S End of Area 1	S of Prologis Bldg	A	X	X					PDB
AGW059R	S	S End of Area 1	S of Prologis Bldg	A	X	X					PDB
AGW060R	I	S End of Area 1	S of Prologis Bldg	SA	X	X					PDB
AGW064	S	Area 1	W of YMCA Bldg	SA	X	A					PDB
AGW065	S	Area 1	SW of YMCA Bldg	A	X	A					PDB
AGW066	S	Area 1	N of Prologis Bldg	SA	X	A					PDB
AGW067	S	Area 1	N of Prologis Bldg	SA	X	A					PDB
AGW068	S	Area 1	N End of YMCA/JA	A	X	A					PDB
AGW069	S	Area 1	E of YMCA Bldg	SA	X	A					PDB
AGW072	I	Area 1	NW of Prologis Bldg	SA	X	A					PDB
AGW073	D	Area 1	NW of Prologis Bldg	SA	X	A					PDB
AGW074	S	Sentry	N of City of Pacific Wells	SA	X	X					PDB
AGW078	S	Property Boundary	Building 17-34 S	A	X	A					PDB

Table 1-4
Phase VII Groundwater Sampling Matrix
Boeing Auburn Facility
Auburn, Washington

Well	Groundwater Zone	Description	Location	Phase VII Frequency	VOCs 8260 (a)	VOCs VC 8260 SIM (b)	NA Parameters (c)	Metals 200.8 (f)	TPH-Dx NWTPH-Dx (d)	TPH-G NWTPH-Gx	Sampling Method
AGW079	S	SWMU S-06	S of Bldg 17-15	SA	X						PDB
AGW081	S	Property Boundary	Perimeter Rd W of Bldg 17-45	A	X	X					PDB
AGW085	S	Property Boundary	E of Bldg 17-34	SA	X	A					PDB
AGW087	I	Sentry	E of City of Pacific Wells	SA	X	X					PDB
AGW088	S	Sentry	E of City of Pacific Wells	SA	X	X					PDB
AGW089	I	Sentry	NE of City of Pacific Wells	SA	X	X					PDB
AGW090	S	Sentry	NE of City of Pacific Wells	SA	X	X					PDB
AGW091	I	Sentry	N of City of Pacific Wells	SA	X	X					PDB
AGW095R	I	Area 1	NW of Prologis Bldg	SA	X	X					PDB
AGW098R	D	Area 1	NW of Prologis Bldg	SA	X	A					PDB
AGW104	S	Property Boundary	Former Bldg 17-16	A	X	A					PDB
AGW105	I	Property Boundary	Perimeter Rd W of WWPTP	SA	X	X					Not Sampled (h)
AGW106R	S	Area 1	In Prologis Bldg	SA	X	A	X				Low Flow
AGW110R	S	Area 1	In Prologis Bldg	SA	X	X	X				Low Flow
AGW112R	S	Area 1	In Prologis Bldg	SA	X	X					PDB
AGW115	S	Bldg. 17-06 - SWMU S-16	In Bldg 17-06	SA	X	X					PDB
AGW116	S	Bldg. 17-06 - SWMU S-16	In Bldg 17-06	SA	X	A					PDB
AGW117	S	Bldg. 17-06 - SWMU S-16	In Bldg 17-06	SA	X	A					PDB
AGW118	S	Bldg. 17-06 - SWMU S-16	In Bldg 17-06	SA	X	A					PDB
AGW119	I	Safeway	E Side of Safeway Prop.	SA	X	X					PDB
AGW120	S	Safeway	E Side of Safeway Prop.	SA	X	X					PDB
AGW125	S	Area 1	N of Prologis Bldg	SA	X	X					PDB
AGW126	I	Area 1	N of Prologis Bldg	SA	X	X					PDB
AGW127	S	Bldg. 17-06 - SWMU S-16	In Bldg 17-06	A	X	A					PDB
AGW128	S	Bldg. 17-06 - SWMU S-16	In Bldg 17-06	SA	X	X			X		Low Flow
AGW129	S	Bldg. 17-06 - SWMU S-16	In Bldg 17-06	SA	X	A					PDB
AGW130	S	Bldg. 17-06 - SWMU S-16	In Bldg 17-06	SA	X	A			X		Low Flow
AGW131	S	SWMU S-18/Bldg 17-35	N of Bldg 17-07	SA	X						PDB
AGW133	S	AOC A-06	E of Bldg 17-66	A	X	X					PDB
AGW134	S	Property Boundary	Perimeter Rd W of Bldg 17-70	SA	X	X					PDB
AGW135	S	Property Boundary	Perimeter Rd N of Bldg 17-70	SA	X	X					PDB
AGW136	S	Area 1	S of YMCA Bldg	SA	X	X					PDB
AGW137	I	Area 1	S of YMCA Bldg	SA	X	X					PDB
AGW138	D	Area 1	S of YMCA Bldg	SA	X	A					PDB
AGW139	I	Area 1	SE of YMCA Bldg	SA	X	A					PDB
AGW140	I	Area 1	SW of YMCA Bldg	SA	X	X					PDB
AGW141	I	Area 1	N of YMCA Bldg	SA	X	A					PDB
AGW142	D	Area 1	N of YMCA Bldg	SA	X	A					PDB
AGW143	D	Offsite	Interurban Trail, NW of WWPTP	SA	X	A					PDB
AGW144	I	Offsite	Interurban Trail, NW of WWPTP	SA	X	X					PDB

Table 1-4
Phase VII Groundwater Sampling Matrix
Boeing Auburn Facility
Auburn, Washington

Well	Groundwater Zone	Description	Location	Phase VII Frequency	VOCs 8260 (a)	VOCs VC 8260 SIM (b)	NA Parameters (c)	Metals 200.8 (f)	TPH-Dx NWTPH-Dx (d)	TPH-G NWTPH-Gx	Sampling Method
AGW145	I	Offsite	Interurban Trail, NW of WWPTP	SA	X						PDB
AGW146	D	Offsite	Interurban Trail, NW of WWPTP	SA	X	X					PDB
AGW147	I	Offsite	Interurban Trail, W of YMCA/JA	SA	X	X					PDB
AGW148	I	Offsite	Interurban Trail, W of YMCA/JA	SA	X	X					PDB
AGW149	I	Offsite	Interurban Trail, W of YMCA/JA	SA	X	A					PDB
AGW150	I	Offsite	W of YMCA/JA	SA	X	A					PDB
AGW151	I	Area 1	E of YMCA Bldg	SA	X	A					PDB
AGW152	S	SWMU S-18/Bldg 17-35	N of Bldg 17-07	SA	X						PDB
AGW153	S	AOC A-06	In Bldg 17-66	A	X	X					PDB
AGW154	I	S of Former Vapor Degreaser in Bldg 17-07	S of Bldg 17-07	SA	X	X					PDB
AGW155	I	W of Bldg 17-07	W of Bldg 17-07	SA	X						PDB
AGW156	I	N of Bldg 17-07	N of Bldg 17-07	SA	X						PDB
AGW157	I	Property Boundary	NW of Bldg 17-21	SA	X	X					PDB
AGW158	I	Offsite	10th St SW	SA	X	X					PDB
AGW159	D	Offsite	10th St SW	SA	X	X					PDB
AGW160	I	Offsite	W of YMCA/JA - Industry Dr	SA	X	A					PDB
AGW161	I	Offsite	Interurban Trail, N of 15th St SW	SA	X	A					PDB
AGW162	I	Offsite	NE corner of YMCA/JA	SA	X	A					PDB
AGW163	I	E of Bldg 17-07	E of 17-07, near large door	SA	X	X					PDB
AGW164	I	Inside Bldg 17-07	Bldg 17-07, near column A7	SA	X	X					PDB
AGW165	S	Inside Bldg 17-07	Bldg 17-07, near column B9	SA	X	X					PDB
AGW166	I	Offsite	10th St SW	SA	X	X					PDB
AGW167	D	Offsite	10th St SW	SA	X	X					PDB
AGW168	I	Offsite	Boundary Blvd	SA	X	X					PDB
AGW169	D	Offsite	Boundary Blvd	SA	X	X					PDB
AGW170	I	Offsite	Boundary Blvd	SA	X	X					PDB
AGW171	D	Offsite	Boundary Blvd	SA	X	A					PDB
AGW172	I	Offsite	SE corner of Outlet Collection Lot	SA	X	A					PDB
AGW173	I	Offsite	E side of Outlet Collection Lot	SA	X	X					PDB
AGW174	I	Offsite	Interurban Trail, N of 15th St SW	SA	X	A					PDB
AGW175	I	Offsite	Interurban Trail, N of 15th St SW	SA	X	A					Low Flow
AGW176	I	Offsite	NE corner of Outlet Collection Lot	SA	X	X					PDB
AGW177	I	Offsite	Western Fana Property	SA	X	X					PDB
AGW178	D	Offsite	Western Fana Property	SA	X	X					PDB
AGW179	I	Offsite	Eastern Fana Property	SA	X	X					PDB
AGW180	D	Offsite	Eastern Fana Property	SA	X	A					PDB
AGW181	I	Offsite	S end of Lund Rd	SA	X	X					PDB
AGW182	I	Offsite	O St at Boundary Blvd	SA	X	X					PDB
AGW183	D	Offsite	O St at Boundary Blvd	SA	X	X					PDB
AGW184	I	Offsite	8th St at cul-de-sac	SA	X	A					PDB

Table 1-4
Phase VII Groundwater Sampling Matrix
Boeing Auburn Facility
Auburn, Washington

Well	Groundwater Zone	Description	Location	Phase VII Frequency	VOCs 8260 (a)	VOCs VC 8260 SIM (b)	NA Parameters (c)	Metals 200.8 (f)	TPH-Dx NWTPH-Dx (d)	TPH-G NWTPH-Gx	Sampling Method
AGW185	D	Offsite	Interurban Trail E of Outlet Collection	SA	X	A					PDB
AGW186	I	Offsite	E St and 3rd	SA	X	A					PDB
AGW187	I	Offsite	Interurban Trail N side of SR 18	SA	X	A					PDB
AGW188	I	Offsite	Lund Rd at Main St	SA	X	X					Low Flow
AGW189	I	Offsite	City of Auburn Maintenance Fac.	SA	X	A					PDB
AGW190	I	Offsite	Interurban Trail at Main St	SA	X	A					PDB
AGW191	I	Offsite	Chicago Ave and 10th Ave, Algona	Q	X	X					PDB
AGW192	D	Offsite	Chicago Ave and 10th Ave, Algona	Q	X	X					PDB
AGW193	S	Offsite	10th St SW, Algona	SA	X	X					PDB
AGW194	S	Offsite	10th St SW, Algona	SA	X	X					PDB
AGW195	D	Offsite	Outlet Collection-delivery area, W side	SA	X	X					PDB
AGW196	I	Offsite	Outlet Collection-delivery area, W side	SA	X						PDB
AGW197	D	Offsite	Outlet Collection-W of Sam's Club	SA	X	A					PDB
AGW198	I	Offsite	Outlet Collection-W of Sam's Club	SA	X	X					PDB
AGW199	D	Offsite	Outlet Collection-N of Marshalls	SA	X	X					PDB
AGW200-2	S	On-site CMT	Outside Bldg 17-07 NW Corner	SA	X						Low Flow
AGW200-5	I	On-site CMT	Outside Bldg 17-07 NW Corner	SA	X						Low Flow
AGW200-6	D	On-site CMT	Outside Bldg 17-07 NW Corner	SA	X						Low Flow
AGW201-2	S	On-site CMT	Outside Bldg 17-07 N Central	SA	X						Low Flow
AGW201-5	I	On-site CMT	Outside Bldg 17-07 N Central	SA	X						Low Flow
AGW201-6	D	On-site CMT	Outside Bldg 17-07 N Central	SA	X	X					Low Flow
AGW202-2	S	On-site CMT	Outside Bldg 17-07 E Central	SA	X	X					Low Flow
AGW202-4	I	On-site CMT	Outside Bldg 17-07 E Central	SA	X						Low Flow
AGW202-6	D	On-site CMT	Outside Bldg 17-07 E Central	SA	X	A					Low Flow
AGW203-2	S	On-site CMT	Staging area btwn Bldgs 17-07 and 17-06	SA	X	A					Low Flow
AGW203-4	I	On-site CMT	Staging area btwn Bldgs 17-07 and 17-06	SA	X	A					Low Flow
AGW203-6	D	On-site CMT	Staging area btwn Bldgs 17-07 and 17-06	SA	X	A					Low Flow
AGW204	I	On-site	In grass NW of Bldg 17-08	A	X	A					PDB
AGW205	I	On-site	In pavement NW of Bldg 17-13	A	X	A					PDB
AGW206	I	On-site	In parking area E of Bldg 17-10	SA	X	A					PDB
AGW207-2	S	Offsite CMT	Outlet Collection parking lot SW corner	SA	X	X					Low Flow
AGW207-4	I	Offsite CMT	Outlet Collection parking lot SW corner	SA	X	X					Low Flow
AGW207-7	D	Offsite CMT	Outlet Collection parking lot SW corner	SA	X	X					Low Flow
AGW208-2	S	Offsite CMT	Outlet Collection parking lot across from Taco Del Mar	SA	X						Low Flow
AGW208-4	I	Offsite CMT	Outlet Collection parking lot across from Taco Del Mar	SA	X	X					Low Flow
AGW208-6	D	Offsite CMT	Outlet Collection parking lot across from Taco Del Mar	SA	X	A					Low Flow
AGW209-2	S	Offsite CMT	Outlet Collection parking lot across from Starbucks	SA	X						Low Flow
AGW209-5	I	Offsite CMT	Outlet Collection parking lot across from Starbucks	SA	X	X					Low Flow
AGW209-6	D	Offsite CMT	Outlet Collection parking lot across from Starbucks	SA	X	X					Low Flow
AGW210-2	S	Offsite CMT	Outlet Collection parking lot across from IHOP	A	X	X					Low Flow

Table 1-4
Phase VII Groundwater Sampling Matrix
Boeing Auburn Facility
Auburn, Washington

Well	Groundwater Zone	Description	Location	Phase VII Frequency	VOCs 8260 (a)	VOCs VC 8260 SIM (b)	NA Parameters (c)	Metals 200.8 (f)	TPH-Dx NWTPH-Dx (d)	TPH-G NWTPH-Gx	Sampling Method
AGW210-5	I	Offsite CMT	Outlet Collection parking lot across from IHOP	SA	X	X					Low Flow
AGW210-6	D	Offsite CMT	Outlet Collection parking lot across from IHOP	SA	X	A					Low Flow
AGW211-2	S	Offsite CMT	Outlet Collection parking lot across from Red Robin	A	X	X					Low Flow
AGW211-5	I	Offsite CMT	Outlet Collection parking lot across from Red Robin	SA	X	X					Low Flow
AGW211-6	D	Offsite CMT	Outlet Collection parking lot across from Red Robin	SA	X	A					Low Flow
AGW212-2	S	Offsite CMT	Interurban Trail at 15th St SW	A	X	X					Low Flow
AGW212-5	I	Offsite CMT	Interurban Trail at 15th St SW	SA	X	A					Low Flow
AGW212-7	D	Offsite CMT	Interurban Trail at 15th St SW	SA	X	A					Low Flow
AGW213	D	Offsite	S End of Lund Rd	SA	X	X					PDB
AGW214	I	Offsite	S End of Clay St, W side in parking lane next to driveway	SA	X	X					Low Flow
AGW215	I	Offsite	W Main St access Rd, N side of road	SA	X	X					Low Flow
AGW216	I	Offsite	H St, intersection with 2nd St W side	SA	X	A					Low Flow
AGW217	I	Offsite	Clay St, halfway up W side	SA	X	X					Low Flow
AGW218	I	Offsite	Western Ave, W side, in grass next to sidewalk N of driveway	SA	X	X					Low Flow
AGW219	I	Offsite	Clay St, W side of cul-de-sac at N end	SA	X	X					PDB
AGW220	I	Offsite	Western Ave, N end	SA	X	X					Low Flow
AGW221	I	Offsite	H St instersection with 6th, W side in gravel	SA	X	X					Low Flow
AGW222	I	On-site	Inside Bldg 17-06	SA	X	A					PDB
AGW223	D	On-site	Scrubber Alley	A	X	X					PDB
AGW224	S (WT)	Offsite	O St at Boundary Blvd	A	X	A					PDB
AGW225	S (WT)	Offsite	Chicago Ave and 10th Ave, Algona	Q	X	X	X				Low Flow
AGW226	S (WT)	Offsite	11th Ave, Algona	Q	X	X	X				Low Flow
AGW227	I	Offsite	W end of Boundary Blvd	SA	X	X					PDB
AGW228	S	Offsite	W end of Boundary Blvd	SA	X	X					Low Flow
AGW229	S (WT)	Offsite	Boundary Blvd	SA	X	X					PDB
AGW230	D	Offsite	8th St at cul-de-sac	SA	X	A					PDB
AGW231	S	Offsite	Outlet Collection-N of Marshalls	SA	X						PDB
AGW232	S	Offsite	Outlet Collection-delivery area, W side	SA	X						PDB
AGW233	D	Offsite	Interurban Trail N side of SR 18	SA	X	A					PDB
AGW234	D	Offsite	Access road to Outlet Collection stormwater ponds	SA	X	X					PDB
AGW235-2	S	Offsite CMT	Access road to Outlet Collection stormwater ponds	SA	X	X					Low Flow
AGW235-4	I	Offsite CMT	Access road to Outlet Collection stormwater ponds	SA	X	X					Low Flow
AGW235-7	D	Offsite CMT	Access road to Outlet Collection stormwater ponds	SA	X	A					Low Flow
AGW236	S	Offsite	Coastal Farm & Ranch Parking Lot	SA	X	X					Low Flow
AGW237	D	Offsite	Auburn School District, NW corner of property	SA	X	X					PDB
AGW238	I	Offsite	Auburn School District, NW corner of property	SA	X	X					PDB
AGW239	S	Offsite	Auburn School District, NW corner of property	SA	X	X					Low Flow
AGW240-1	S (WT)	Offsite CMT	Chicago Ave and 9th Ave, Algona	Q	X	X	X				Low Flow
AGW240-5	S	Offsite CMT	Chicago Ave and 9th Ave, Algona	Q	X	X	X				Low Flow
AGW241-1	S (WT)	Offsite CMT	Chicago Ave and 8th Ave, Algona	SA	X	X					Low Flow

Table 1-4
Phase VII Groundwater Sampling Matrix
Boeing Auburn Facility
Auburn, Washington

Well	Groundwater Zone	Description	Location	Phase VII Frequency	VOCs 8260 (a)	VOCs VC 8260 SIM (b)	NA Parameters (c)	Metals 200.8 (f)	TPH-Dx NWTPH-Dx (d)	TPH-G NWTPH-Gx	Sampling Method
AGW241-5	S	Offsite CMT	Chicago Ave and 8th Ave, Algona	SA	X	X					Low Flow
AGW242-1	S (WT)	Offsite CMT	10th Ave N and Algona Blvd, Algona	SA	X	X					Low Flow
AGW242-2	S	Offsite CMT	10th Ave N and Algona Blvd, Algona	SA	X	A					Low Flow
AGW242-5	I	Offsite CMT	10th Ave N and Algona Blvd, Algona	SA	X	A					Low Flow
AGW243-1	S (WT)	Offsite CMT	Boundary Blvd and Algona Blvd, Algona	SA	X	X					Low Flow
AGW243-3	S	Offsite CMT	Boundary Blvd and Algona Blvd, Algona	SA	X	A					Low Flow
AGW243-5	I	Offsite CMT	Boundary Blvd and Algona Blvd, Algona	SA	X	A					Low Flow
AGW244	S (WT)	Offsite	Celery Ave and 9th Ave, Algona	Q	X	X	X				Low Flow
AGW245	S (WT)	Offsite	11th Ave between Algona Blvd and Celery Ave, Algona	SA	X	X					PDB
AGW246	S (WT)	Offsite	Celery Ave between 11th Ave and 10th Ave, Algona	SA	X	X					PDB
AGW247-1	S (WT)	Offsite CMT	10th Ave E of Algona Blvd, Algona	Q	X	X	X				Low Flow
AGW247-5	S	Offsite CMT	10th Ave E of Algona Blvd, Algona	Q	X	X	X				Low Flow
AGW248-1	S (WT)	Offsite CMT	Chicago Ave and 11th Ave, Algona	SA	X	X					Low Flow
AGW248-5	S	Offsite CMT	Chicago Ave and 11th Ave, Algona	SA	X	X					Low Flow
AGW249-1	S (WT)	Offsite CMT	Boundary Blvd, Algona	SA	X	X					Low Flow
AGW249-5	S	Offsite CMT	Boundary Blvd, Algona	SA	X	X					Low Flow
AGW250-1	S (WT)	Offsite CMT	Junction Blvd, Algona	SA	X	X					Low Flow
AGW250-2	S	Offsite CMT	Junction Blvd, Algona	SA	X	X					Low Flow
AGW250-3	I	Offsite CMT	Junction Blvd, Algona	SA	X	X					Low Flow
AGW250-6	D	Offsite CMT	Junction Blvd, Algona	SA	X	X					Low Flow
AGW251-1	S (WT)	Offsite CMT	Milwaukee Blvd, Algona	Q	X	X	X				Low Flow
AGW251-2	S	Offsite CMT	Milwaukee Blvd, Algona	Q	X	X	X				Low Flow
AGW251-3	I	Offsite CMT	Milwaukee Blvd, Algona	Q	X	X	X				Low Flow
AGW251-6	D	Offsite CMT	Milwaukee Blvd, Algona	SA	X	X					Low Flow
AGW252	D	Offsite	N Access Rd, W Main St	SA	X	X					PDB
AGW253	I	Offsite	N Access Rd, W Main St	A	X	X					PDB
AGW254-1	S (WT)	Offsite CMT	S Access Rd, W Main St	SA	X	X					Low Flow
AGW254-2	S	Offsite CMT	S Access Rd, W Main St	SA	X	X					Low Flow
AGW254-5	I	Offsite CMT	S Access Rd, W Main St	SA	X	X					Low Flow
AGW255-1	S (WT)	Offsite CMT	15th St SW, N of O St	SA	X	X					Low Flow
AGW255-3	S	Offsite CMT	15th St SW, N of O St	SA	X	X					Low Flow
AGW255-5	I	Offsite CMT	15th St SW, N of O St	SA	X	X					Low Flow
AGW256	I	Offsite	GSA, S of NW Building	SA	X	A					PDB
AGW257	S	Offsite	GSA, S of NW Building	SA	X	A					PDB
AGW258	S	Offsite	GSA, N of NW Building	SA	X	A					PDB
AGW259	D	Offsite	S Access Rd, W Main St	SA	X	X					PDB
AGW260	D	Offsite	10th Ave N and Algona Blvd, Algona	SA	X	X					PDB
AGW261	S	Offsite	S end of Milwaukee Blvd, Algona	SA	X	X					PDB
AGW262	S(WT)	Offsite	11th Ave, Algona	Q	X	X					PDB
AGW263	S(WT)	Offsite	Chicago Ave and 10th Ave, Algona	Q	X	X					PDB

Table 1-4
Phase VII Groundwater Sampling Matrix
Boeing Auburn Facility
Auburn, Washington

Well	Groundwater Zone	Description	Location	Phase VII Frequency	VOCs 8260 (a)	VOCs VC 8260 SIM (b)	NA Parameters (c)	Metals 200.8 (f)	TPH-Dx NWTPH-Dx (d)	TPH-G NWTPH-Gx	Sampling Method
AGW264	D	Offsite	Chicago Ave and 9th Ave, Algona	SA	X	X					PDB
AGW265	I	Offsite	Chicago Ave and 9th Ave, Algona	SA	X	X					PDB
AGW266	S	Offsite	Lund Rd at Main St	SA	X	X					PDB
AGW267	I	Offsite	7th Ave and Celery Ave, Algona	SA	X	X					PDB
AGW268	D	Offsite	7th Ave and Celery Ave, Algona	SA	X	X					PDB
AGW269	S	Offsite	Primus, E of Warehouse	Q	X	X	X				Low Flow
AGW270	S	Offsite	Primus, E of Warehouse	Q	X	X	X				Low Flow
AGW271	S	Offsite	Primus, E of Warehouse	Q	X	X	X				Low Flow
AGW272	S	Offsite	Primus, W of Warehouse	Q	X	X	X				Low Flow
AGW273	S	Offsite	Primus, W of Warehouse	Q	X	X	X				Low Flow
AGW274	S	Offsite	Primus, W of Warehouse	Q	X	X	X				Low Flow
AGW275	S	Offsite	Primus, W of Warehouse	Q	X	X	X				Low Flow
AGW276-2	S	Offsite CMT	DCT Industrial	SA	X	X					Low Flow
AGW276-5	I	Offsite CMT	DCT Industrial	SA	X	X					Low Flow
AGW276-6	D	Offsite CMT	DCT Industrial	SA	X	X					Low Flow
IW34	S	Offsite	Primus, E of Warehouse	Q	X	X	X				Low Flow
IW36	S	Offsite	Primus, E of Warehouse	Q	X	X	X				Low Flow
IW37	S	Offsite	Primus, E of Warehouse	Q	X	X	X				Low Flow
APP-057	S	WSDOT well - Offsite	E of W Valley Hwy, S of W Main St	SA	X	X					Low Flow

Notes:
(a) VOCs by Method 8260C; collect 3 40-mL VOAs (HCl)
(b) Vinyl chloride and PCE by SIM; collect 2 40-mL VOAs (HCl); X indicates SIM should be collected for all sample events, A indicates annual sampling only in June
(c) MNA Parameters include Ethene/Ethane/Methane by RSKSOP-175 modified, Sulfate By EPA Method 300.0, TOC by SM 5310 C-2000, and DO/ORP/Iron II field measurements.
(d) With silica gel and acid wash cleanup.
(e) MNA parameters exclude methane, ethane, ethene at this location
(f) Dissolved metals, field filtered, preserved HNO3
(g) The bottom of each PDB is placed 2 feet from the bottom of the well screen except for PDBs at AGW227 and AGW237 which are placed 6 feet from the bottom of the well screen and all water table wells which are two feet from the top of the lowest recorded dtw.
(h) Sampling was not completed at AGW105 because upon opening the monument the well was found to have been destroyed.
MS/MSDs will collected at least 1 per 20 samples per analysis. A field duplicate will be collected at least 1 per 20 samples per analysis. One trip blank per cooler will be run for VOCs and TPH-G. One laboratory blank per 20 samples will be analyzed for metals.

Abbreviations/Acronyms:
Groundwater Zone
S(WT) = Water Table
S = Shallow
I = Intermediate
D = Deep

Frequency
Q = Quarterly (March, June, September, December)
SA = Semiannually (June and December)
A = Annually (June)

Attachment 2

Pilot Test Results

Legend

- Offsite Water Table Well
- Shallow Monitoring Well
- Shallow Observation Well (not part of ongoing monitoring)
- Shallow Injection Well
- Shallow Injection Well (not part of ongoing monitoring)
- Waterways

Notes

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

0 120 240

Scale in Feet

Base map source: Geometrix 2003; Aerial Photo Source: Esri World Imagery; Parcel Data Source: King County GIS 2016

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LANDAU ASSOCIATES

Boeing Auburn Auburn, Washington	**Pilot Test Well Locations**	Figure 2-1

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Table 2-1
Data Summary
Algona Bioremediation Pilot Test
Boeing Auburn Facility

Well	Aquifer Zone	Date	Elapsed Time from Injection (days)	Volatile Organic Compounds									Aquifer Redox Conditions								Donor Indicators		Total cVOC (nmol/L)	Molar Fraction				
				PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (µg/L)	11DCE (µg/L)	VC (µg/L)	Ethene (µg/L)	Ethane (µg/L)	Acetylene (µg/L)	DO (mg/L)	ORP (mV)	Nitrate (mg/L)	Iron II (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Methane (µg/L)	Aquifer Redox State	TOC (mg/L)	pH		PCE	TCE	Total DCE	VC	Ethene+ Ethane
AGW225	WT	12/1/2014	-277	<0.2	2.3	5.7	0.6	<0.2	0.5	<1.0	<1.0	<1.0	1.20	-76.8	<0.10	2.6	4.8	<0.16	290	Fe/S	3.7	6.55	90	0.00	0.19	0.72	0.09	0.00
		8/14/2015	-21	<0.2	1.9	5.1	0.5	<0.2	0.49	<1.0	<1.0	<1.0	1.39	213.3	--	6.4	4.1	<0.16	360	Fe/S	4.2	6.48	80	0.00	0.18	0.72	0.10	0.00
		12/8/2015	95	<0.2	2.1	4.8	0.5	<0.2	0.5	<1.0	<1.0	<1.0	2.0	-54.7	<0.10	4.0	4.2	<0.16	170	Fe/S	3.8	6.93	79	0.00	0.20	0.70	0.10	0.00
		3/2/2016	180	<0.2	1.9	4.6	0.4	<0.2	0.54	<1.0	<1.0	<1.0	0.73	-14	--	2.5	3.3	<0.16	420	Fe/S	4.3	6.34	75	0.00	0.19	0.69	0.12	0.00
		6/23/2016	293	<0.2	2.3	4.4	0.5	<0.2	0.5	<1.0	<1.0	<1.0	3.40	271	--	2.0	4.9	<0.10	330	Fe/S	3.6	6.00	76	0.00	0.23	0.66	0.11	0.00
		9/8/2016	370	<0.2	2.0	4.4	0.5	<0.2	0.46	<1.0	<1.0	<1.0	0.48	-6.0	--	2.5	5.7	<0.10	340	Fe/S	4.3	6.32	73	0.00	0.21	0.69	0.10	0.00
		12/2/2016	455	<0.2	2.4	4.8	0.5	<0.2	0.44	<1.0	<1.0	--	0.96	4.5	--	5.0	4.7	--	280	Fe/S	3.4	6.78	80	0.00	0.23	0.68	0.09	0.00
		3/10/2017	553	<0.2	2.2	4.3	0.4	<0.2	0.6	<1.0	<1.0	--	0.26	71.5	--	2.0	3.4	--	320	Fe/S	4.9	6.72	75	0.00	0.22	0.65	0.13	0.00
		6/7/2017	642	<0.2	2.5	4.5	0.5	<0.2	0.40	<1.0	<1.0	--	0.53	62.6	--	2.0	4.9	--	280	Fe/S	3.8	6.45	77	0.00	0.25	0.67	0.08	0.00
AGW226	WT	8/14/2015	-21	<0.2	4.1	3.1	0.3	<0.2	0.56	<1.0	<1.0	<1.0	0.55	-12.2	--	2.0	8.0	<0.16	970	S/M	2.6	6.17	75	0.00	0.41	0.47	0.12	0.00
		12/2/2015	89	<0.2	0.5	1.8	<0.2	<0.2	0.4	<1.0	<1.0	<1.0	7.29	-26.1	<0.10	2.0	7.8	<0.16	1000	S/M	5.5	5.07	29	0.00	0.13	0.65	0.22	0.00
		3/3/2016	181	<0.2	3.6	3.1	0.3	<0.2	0.54	<1.0	<1.0	<1.0	0.54	-28.45	--	2.5	6.5	<0.16	1300	S/M	2.4	6.36	71	0.00	0.39	0.49	0.12	0.00
		6/21/2016	291	<0.2	1	4.8	0.3	<0.2	0.7	<1.0	<1.0	<1.0	0.44	177	--	2.0	7.4	<0.10	1200	S/M	2.7	5.91	71	0.00	0.11	0.74	0.16	0.00
		9/8/2016	370	<0.2	1.1	3.8	0.3	<0.2	0.90	<1.0	<1.0	<1.0	0.70	82.5	--	0.0	17.6	<0.10	1100	S/M	4.2	6.22	65	0.00	0.13	0.65	0.22	0.00
		12/7/2016	460	<0.2	2.6	4.0	0.3	<0.2	0.73	<1.0	<1.0	--	1.67	45.1	--	3.0	7.6	--	920	S/M	2.4	6.63	76	0.00	0.26	0.58	0.15	0.00
		3/7/2017	550	<0.2	3.6	3.5	0.3	<0.2	0.60	<0.1	<0.1	--	0.48	-31.2	--	4.0	6.7	--	1000	S/M	2.5	6.63	76	0.00	0.36	0.51	0.13	0.00
		6/6/2017	641	<0.2	3.9	3.4	0.3	<0.2	0.5	<1.0	<1.0	--	0.46	75.9	--	3.0	7.5	--	970	S/M	2.3	6.26	76	0.00	0.39	0.50	0.11	0.00
AGW240-1	WT	12/1/2014	-277	<0.020	<0.2	<0.2	0.3	<0.2	0.3	<1.0	3.5	<1.0	1.32	-169.5	<0.10	2.7	<1.0	<0.16	3200	M	8.6	6.62	8	0.00	0.00	0.02	0.04	0.94
		8/14/2015	-21	<0.020	<0.2	<0.2	0.2	<0.2	0.049	<1.0	2.5	<1.0	0.54	-67.3	--	1.8	<1.0	<0.16	2900	M	8.1	6.45	3	0.00	0.00	0.02	0.01	0.97
		12/7/2015	94	<0.020	<0.2	<0.2	<0.2	<0.2	0.3	<1.0	3.1	<1.0	1.89	-83.3	<0.10	2.5	<1.0	<0.16	2800	M	7.5	4.51	5	0.00	0.00	0.00	0.04	0.96
		3/3/2016	181	<0.2	<0.2	<0.2	<0.2	<0.2	1	<1.0	3.2	<1.0	0.73	-13.23	--	5.0	<1.0	<0.16	2900	M	7.9	6.60	16	0.00	0.00	0.00	0.13	0.87
		6/15/2016	285	<0.2	<0.2	<0.2	<0.2	<0.2	0.11	<1.0	3.4	<1.0	1.9	-42.5	--	1.5	<1.0	<0.10	5700	M	7.5	6.44	2	0.00	0.00	0.00	0.02	0.98
		9/8/2016	370	<0.2	<0.2	<0.2	<0.2	<0.2	0.091	<1.0	4.2	<1.0	0.60	-45.4	--	4.5	<1.0	<0.10	8900	M	7.7	6.44	1	0.00	0.00	0.00	0.01	0.99
		11/30/2016	453	<0.2	<0.2	<0.2	<0.2	<0.2	0.13	<1.0	2.5	--	0.64	-22.4	--	7.0	<1.0	--	14000	M	7.3	6.84	2	0.00	0.00	0.00	0.02	0.98
		3/10/2017	553	<0.2	<0.2	<0.2	<0.2	<0.2	0.13	<1.0	6.2	--	0.50	83.4	--	1.5	<1.0	--	19000	M	8.9	6.45	2	0.00	0.00	0.00	0.01	0.99
		6/6/2017	641	<0.2	<0.2	<0.2	<0.2	<0.2	0.049	<1.0	1.1	--	12.31	15.9	--	2.0	<1.0	--	1200	M	7.1	6.75	1	0.00	0.00	0.00	0.02	0.98
AGW240-5	SZ	12/1/2014	-277	<0.020	<0.2	4.9	0.7	<0.2	6.6	<1.0	1.0	<1.0	0.51	-116.1	<0.10	2.8	<1.0	<0.16	2200	M	6.6	6.67	163	0.00	0.00	0.29	0.54	0.17
		8/14/2015	-21	<0.020	<0.2	3.3	0.4	<0.2	5.6	1.2	<1.0	<1.0	0.77	-41.7	--	2.8	<1.0	<0.16	2000	M	5.4	6.19	128	0.00	0.00	0.22	0.53	0.25
		12/7/2015	94	<0.020	<0.2	1.8	0.3	<0.2	4.3	1.3	1.3	<1.0	0.81	-86.8	<0.10	6.0	<1.0	<0.16	2200	M	6.5	4.01	90	0.00	0.00	0.12	0.38	0.50
		3/3/2016	181	<0.2	<0.2	1.7	0.3	<0.2	3.1	<1.0	<1.0	<1.0	0.55	-19.15	--	6.0	<1.0	<0.16	1700	M	6.9	6.67	70	0.00	0.00	0.29	0.71	0.00
		6/15/2016	285	<0.2	<0.2	0.3	0.3	<0.2	2.5	2	2.3	<1.0	0.33	-40.8	--	3.0	<1.0	<0.10	8100	M	20.2	6.4	46	0.00	0.00	0.03	0.21	0.76
		9/8/2016	370	<0.2	<0.2	<0.2	0.2	<0.2	0.20	<1.0	3.7	<1.0	0.36	-48.8	--	4.0	<1.0	<0.10	31000	M	5.7	6.46	5	0.00	0.00	0.02	0.02	0.96
		11/30/2016	453	<0.2	<0.2	<0.2	0.2	<0.2	0.10	<1.0	3.7	--	0.51	-34.4	--	8.0	<1.0	--	28000	M	6.2	6.92	4	0.00	0.00	0.02	0.01	0.97
		3/10/2017	553	<0.2	<0.2	<0.2	<0.2	<0.2	0.066	<1.0	9.2	--	0.24	58.7	--	4.0	<1.0	--	22000	M	5.8	6.65	1	0.00	0.00	0.00	0.00	1.00
		6/6/2017	641	<0.2	<0.2	<0.2	<0.2	<0.2	0.074	<1.0	7.6	--	0.73	63.8	--	3.0	<1.0	--	9500	M	4.8	6.41	1	0.00	0.00	0.00	0.00	1.00
AGW244	WT	12/1/2016	454	<0.2	<0.2	<0.2	<0.2	<0.2	<0.020	<1.0	<1.0	--	0.96	20.1	--	0.0	13.2	--	54	N	3.8	6.97	0	0.00	0.00	0.00	0.00	0.00
		3/10/2017	553	<0.2	<0.2	<0.2	<0.2	<0.2	<0.020	<1.0	<1.0	--	6.3	88	--	0.5	15.2	--	<3.0	Fe	5.4	6.57	0	0.00	0.00	0.00	0.00	0.00
		6/5/2017	640	<0.2	<0.2	<0.2	<0.2	<0.2	<0.020	<1.0	<1.0	--	0.62	41.2	<0.10	2.0	3.8	--	4600	M	53.1	6.26	0	0.00	0.00	0.00	0.00	0.00
AGW247-1	WT	12/2/2014	-276	<0.020	<0.2	0.8	<0.2	<0.2	0.17	<1.0	1.0	<1.0	0.64	-76.1	<0.10	2.5	6.3	<0.16	3600	S/M	57.4	6.19	11	0.00	0.00	0.19	0.06	0.75
		8/14/2015	-21	<0.020	<0.2	3.4	0.4	<0.2	2.5	<1.0	<1.0	<1.0	0.49	-61.4	--	3.4	<1.0	<0.16	5200	M	9.6	6.36	79	0.00	0.00	0.49	0.51	0.00
		12/2/2015	89	<0.020	<0.2	1.5	0.3	<0.2	2.1	<1.0	<1.0	<1.0	4.32	-101.2	<0.10	5.5	1.1	<0.16	6900	M	13.2	5.41	52	0.00	0.00	0.36	0.64	0.00
		3/2/2016	180	<0.2	<0.2	0.9	0.4	<0.2	4	<1.0	<1.0	<1.0	0.44	-32.23	--	6.0	<1.0	<0.16	7100	M	9.4	6.54	77	0.00	0.00	0.17	0.83	0.00
		6/15/2016	285	<0.2	<0.2	<0.2	0.5	<0.2	4.9	<1.0	<1.0	<1.0	0.43	-49.5	--	2.5	<1.0	<0.10	6100	M	9.7	6.38	84	0.00	0.00	0.06	0.94	0.00
		9/8/2016	370	<0.2	<0.2	<0.2	0.4	<0.2	4.7	<1.0	<1.0	<1.0	0.62	-48.6	--	2.5	1.3	<0.10	4200	M	11.1	6.32	79	0.00	0.00	0.05	0.95	0.00
		12/1/2016	454	<0.2	<0.2	<0.2	0.3	<0.2	4.0	<1.0	<1.0	--	0.74	-8.5	--	5.0	<1.0	--	4200	M	13.2	6.65	67	0.00	0.00	0.05	0.95	0.00
		3/7/2017	550	<0.2	<0.2	<0.2	0.4	<0.2	5.1	<1.0	<1.0	--	0.61	-47.3	--	4.5	<1.0	--	6500	M	10.2	6.53	86	0.00	0.00	0.05	0.95	0.00
		6/5/2017	640	<0.2	<0.2	<0.2	0.5	<0.2	4.8	<1.0	<1.0	--	0.79	0.9	--	2.0	<1.0	--	6700	M	9.2	6.49	82	0.00	0.00	0.06	0.94	0.00
AGW247-5	SZ	12/2/2014	-276	<0.020	<0.2	6.6	0.7	<0.2	1.7	<1.0	1.7	<1.0	0.22	-136	<0.10	5.0	<1.0	<0.16	4000	M	21.3	6.89	103	0.00	0.00	0.47	0.17	0.36
		8/14/2015	-21	<0.020	<0.2	4.7	0.8	<0.2	3.0	<1.0	<1.0	<1.0	0.54	-90.3	--	2.4	1.1	<0.16	3400	M	6.2	6.45	105	0.00	0.00	0.54	0.46	0.00
		12/2/2015	89	<0.020	<0.2	2.9	0.7	<0.2	4.0	<1.0	<1.0	<1.0	4.76	-97.4	<0.10	4.5	<1.0	<0.16	2100	M	6.7	5.29	101	0.00	0.00	0.37	0.63	0.00
		3/3/2016	181	<0.2	<0.2	2.2	0.7	<0.2	4.5	<1.0	<1.0	<1.0	0.51	-63.1	--	6.5	<1.0	<0.16	2000	M	5.7	6.78	102	0.00	0.00	0.29	0.71	0.00
		6/15/2016	285	<0.2	<0.2	1.8	0.8	<0.2	4.4	<1.0	<1.0	<1.0	0.34	-72.1	--	2.0	<1.0	<0.10	2300	M	5.4	6.45	97	0.00	0.00	0.28	0.72	0.00

Table 2-1
Data Summary
Algona Bioremediation Pilot Test
Boeing Auburn Facility

Well	Aquifer Zone	Date	Elapsed Time from Injection (days)	Volatile Organic Compounds									Aquifer Redox Conditions								Donor Indicators		Total cVOC (nmol/L)	Molar Fraction				
				PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (µg/L)	11DCE (µg/L)	VC (µg/L)	Ethene (µg/L)	Ethane (µg/L)	Acetylene (µg/L)	DO (mg/L)	ORP (mV)	Nitrate (mg/L)	Iron II (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Methane (µg/L)	Aquifer Redox State	TOC (mg/L)	pH		PCE	TCE	Total DCE	VC	Ethene+ Ethane
		9/8/2016	370	<0.2	<0.2	1.3	0.6	<0.2	3.9	<1.0	<1.0	<1.0	0.34	-77.9	--	3.5	1.6	<0.10	1300	M	6.7	6.54	82	0.00	0.00	0.24	0.76	0.00
		12/1/2016	454	<0.2	<0.2	1.6	0.7	<0.2	4.0	<1.0	<1.0	--	0.65	-69.2	--	4.0	<1.0	--	1400	M	5.7	7.12	88	0.00	0.00	0.27	0.73	0.00
		3/7/2017	550	<0.2	<0.2	0.7	0.5	<0.2	3.9	<1.0	1.5	--	0.59	-89.3	--	3.0	<1.0	--	1400	M	5.5	6.77	75	0.00	0.00	0.10	0.50	0.40
		6/5/2017	640	<0.2	<0.2	1.2	0.5	<0.2	2.6	<1.0	2.1	--	0.45	-13.1	--	2.0	<1.0	--	1600	M	5.4	6.71	59	0.00	0.00	0.14	0.32	0.54
AGW251-1	WT	12/2/2014	-276	<0.020	<0.2	<0.2	<0.2	<0.2	1.8	2.2	5.8	<1.0	0.83	-73.1	<0.10	3.4	37.2	<0.16	16000	S/M	27.3	6.65	29	0.00	0.00	0.00	0.10	0.90
		8/14/2015	-21	<0.020	<0.2	<0.2	<0.2	<0.2	0.62	<1.0	<1.0	<1.0	4.51	208.8	--	6.8	1.3	<0.16	140	Fe/S	16.9	6.63	10	0.00	0.00	0.00	1.00	0.00
		12/3/2015	90	<0.020	<0.2	<0.2	<0.2	<0.2	0.23	<1.0	<1.0	<1.0	12.0	-60.5	0.81	1.0	280	<0.16	440	Fe/S	8.9	6.08	4	0.00	0.00	0.00	1.00	0.00
		3/3/2016	181	<0.2	<0.2	<0.2	<0.2	<0.2	0.15	<1.0	<1.0	<1.0	0.85	41.55	--	1.0	117	<0.16	560	Fe/S	33.8	6.18	2	0.00	0.00	0.00	1.00	0.00
		6/20/2016	290	<0.2	<0.2	<0.2	<0.2	<0.2	1.1	<1.0	<1.0	<1.0	0.83	124.4	--	2.0	20.7	<2.0	1800	S/M	11	6.33	18	0.00	0.00	0.00	1.00	0.00
		9/6/2016	368	<0.2	<0.2	<0.2	<0.2	<0.2	1.6	1.3	<1.0	<1.0	2.19	-78.2	--	4.5	4.3	<0.10	1100	S/M	13.1	6.58	26	0.00	0.00	0.00	0.36	0.64
		12/2/2016	455	<0.2	<0.2	<0.2	<0.2	<0.2	0.037	<1.0	<1.0	--	1.71	27.9	--	1.0	281	--	59	Fe/S	11.5	6.74	1	0.00	0.00	0.00	1.00	0.00
		3/7/2017	550	<0.2	<0.2	<0.2	<0.2	<0.2	0.050	<1.0	<1.0	--	0.78	-27.7	--	2.0	203	--	130	Fe	23.3	6.56	1	0.00	0.00	0.00	1.00	0.00
		6/7/2017	642	<0.2	<0.2	<0.2	<0.2	<0.2	1.0	<1.0	<1.0	--	5.88	61.6	--	2.0	69.7	--	410	Fe/S	11.5	6.52	16	0.00	0.00	0.00	1.00	0.00
AGW251-2	SZ	12/2/2014	-276	<0.020	<0.2	2.0	0.2	<0.2	4.7	3.2	5.9	<1.0	0.49	-141.9	<0.10	4.0	1.1	<0.16	8500	M	11.2	6.92	98	0.00	0.00	0.06	0.18	0.76
		8/14/2015	-21	<0.020	<0.2	<0.2	<0.2	<0.2	5.7	2.2	1.6	<1.0	0.94	210.6	--	5.2	2.1	<0.16	4800	M	7.1	6.71	91	0.00	0.00	0.00	0.41	0.59
		12/3/2015	90	<0.020	<0.2	<0.2	<0.2	<0.2	3.9	1.8	1.1	<1.0	13.38	-109.1	<0.10	6.0	1.2	<0.16	3900	M	6.8	6.06	62	0.00	0.00	0.00	0.38	0.62
		3/3/2016	181	<0.2	<0.2	<0.2	<0.2	<0.2	4.9	1.9	1.1	<1.0	0.56	-99.13	--	1.5	1.9	<0.16	2900	M	7.2	6.75	78	0.00	0.00	0.00	0.43	0.57
		6/20/2016	290	<0.2	<0.2	<0.2	<0.2	<0.2	2.7	2.7	1.1	<1.0	0.56	48.8	--	2.0	<1.0	<2.0	3700	M	8.1	6.46	43	0.00	0.00	0.00	0.25	0.75
		9/8/2016	370	<0.2	<0.2	<0.2	<0.2	<0.2	1.8	2.6	1.3	<1.0	0.73	-81.8	--	2.0	<1.0	<0.10	3300	M	8.1	6.67	29	0.00	0.00	0.00	0.17	0.83
		12/2/2016	455	<0.2	<0.2	<0.2	<0.2	<0.2	2.3	2.1	<1.0	--	1.09	-56.9	--	5.0	<1.0	--	2800	M	6.8	7.08	37	0.00	0.00	0.00	0.33	0.67
		3/7/2017	550	<0.2	<0.2	<0.2	<0.2	<0.2	3.2	1.9	1.4	--	0.69	-80	--	5.5	<1.0	--	2500	M	7.3	6.81	51	0.00	0.00	0.00	0.31	0.69
		6/7/2017	642	<0.2	<0.2	<0.2	<0.2	<0.2	2.3	2.3	2.6	--	0.54	17.0	--	2.0	<1.0	--	3200	M	8.6	6.73	37	0.00	0.00	0.00	0.18	0.82
AGW251-3	IZ	12/2/2014	-276	<0.020	<0.2	5.9	0.5	<0.2	4.3	<1.0	1.2	<1.0	1.09	-112.2	<0.10	3.1	<1.0	<0.16	2500	M	7.6	6.67	135	0.00	0.00	0.38	0.39	0.23
		8/14/2015	-21	<0.020	<0.2	3.0	0.2	<0.2	5.0	<1.0	<1.0	<1.0	1.51	209.7	--	5.8	<1.0	<0.16	2200	M	6.3	6.39	113	0.00	0.00	0.29	0.71	0.00
		12/3/2015	90	<0.020	<0.2	3.0	<0.2	<0.2	5.0	<1.0	<1.0	<1.0	10.63	-93.7	<0.10	6.0	<1.0	<0.16	2100	M	6.1	5.73	111	0.00	0.00	0.28	0.72	0.00
		3/3/2016	181	<0.2	<0.2	1.2	<0.2	<0.2	7.8	<1.0	<1.0	<1.0	0.59	-50.43	--	2.0	<1.0	<0.16	2600	M	7.3	6.42	137	0.00	0.00	0.09	0.91	0.00
		6/20/2016	290	<0.2	<0.2	1.2	<0.2	<0.2	6.1	<1.0	<1.0	<1.0	0.45	78.3	--	2.0	<1.0	<2.0	2600	M	8.1	6.26	110	0.00	0.00	0.11	0.89	0.00
		9/8/2016	370	<0.2	<0.2	0.9	<0.2	<0.2	5.1	<1.0	<1.0	<1.0	0.68	-38.6	--	3.5	<1.0	<0.10	2100	M	6.7	6.43	91	0.00	0.00	0.10	0.90	0.00
		12/2/2016	455	<0.2	<0.2	1.2	<0.2	<0.2	6.8	<1.0	<1.0	--	1.05	-21.2	--	5.0	<1.0	--	2000	M	6.1	6.85	121	0.00	0.00	0.10	0.90	0.00
		3/7/2017	550	<0.2	<0.2	0.7	<0.2	<0.2	8.4	<1.0	<1.0	--	0.75	-50.8	--	5.0	<1.0	--	2100	M	7.2	6.64	142	0.00	0.00	0.05	0.95	0.00
		6/7/2017	642	<0.2	<0.2	0.6	<0.2	<0.2	6.6	<1.0	1.9	--	0.45	32.7	--	1.5	<1.0	--	2900	M	8.8	6.52	112	0.00	0.00	0.04	0.60	0.36
AGW269	SZ	8/14/2015	-21	<0.020	<0.2	6.7	0.7	<0.2	3.2	<1.0	<1.0	<1.0	0.52	-95.9	--	1.0	1.9	<0.16	1300	M	9.1	6.66	128	0.00	0.00	0.60	0.40	0.00
		12/7/2015	94	<0.020	0.2	7.4	1.2	<0.2	5.1	<1.0	1.7	<1.0	0.36	-49.0	<0.10	4.0	<1.0	<0.16	26000	M	122	6.37	172	0.00	0.01	0.39	0.36	0.25
		3/2/2016	180	<0.2	<0.2	6.5	1	<0.2	5.2	<1.0	2	<1.0	0.27	-43.8	--	2.0	<1.0	<0.16	15000	M	8.5	6.35	161	0.00	0.00	0.34	0.37	0.29
		6/16/2016	286	<0.2	<0.2	1.9	0.6	<0.2	8.7	<1.0	<2.3	<1.0	0.36	-28.1	--	2.0	<1.0	<0.10	24000	M	8.2	6.20	165	0.00	0.00	0.16	0.84	0.00
		9/7/2016	369	<0.2	<0.2	0.6	0.3	<0.2	6.4	1.3	<1.0	<1.0	0.49	-21.7	--	4.0	<1.0	<0.10	29000	M	9.9	6.09	112	0.00	0.00	0.06	0.65	0.29
		11/29/2016	452	<0.2	<0.2	0.3	0.3	<0.2	4.9	1.1	5.9	--	0.67	-7.5	--	7.0	<1.0	--	35000	M	9.6	6.59	85	0.00	0.00	0.02	0.24	0.74
		3/6/2017	549	<0.2	<0.2	0.3	0.2	<0.2	5.4	<1.0	4.6	--	0.59	-39.9	--	2.0	<1.0	--	23000	M	8.9	6.44	92	0.00	0.00	0.02	0.35	0.63
		6/1/2017	636	<0.2	<0.2	< 0.2	0.2	<0.2	2.3	1.5	11	--	0.50	2.7	--	3.5	<1.0	--	18000	M	8.8	6.51	39	0.00	0.00	0.00	0.08	0.92
AGW270	SZ	8/13/2015	-22	<0.020	<0.2	7.3	1.0	<0.2	2.2	<1.0	<1.0	<1.0	1.58	199.4	--	5.8	<1.0	<0.16	750	M	7.2	6.57	121	0.00	0.00	0.71	0.29	0.00
		12/7/2015	94	<0.020	1.7	10	1.7	<0.2	1.3	1.5	2.0	<1.0	0.30	-11.0	<0.10	2.5	<1.0	<0.16	23000	M	682	5.62	154	0.00	0.05	0.44	0.08	0.44
		3/2/2016	180	<0.2	0.7	8.8	1	<0.2	1.7	<1.0	2.8	<1.0	0.30	-38.6	--	6.5	<1.0	<0.16	22000	M	75.2	6.25	134	0.00	0.02	0.45	0.12	0.41
		6/16/2016	286	<0.2	0.3	6	0.8	<0.2	2	<1.0	<2.0	<1.0	0.60	-52.4	--	2.0	<1.0	<0.10	25000	M	46.7	6.05	104	0.00	0.02	0.67	0.31	0.00
		9/7/2016	369	<0.2	<0.2	3.3	0.5	<0.2	2.9	1.0	<1.0	<1.0	0.49	-47.9	--	3.0	1.1	<0.10	22000	M	39.1	5.96	86	0.00	0.00	0.32	0.38	0.29
		11/28/2016	451	<0.2	<0.2	2.2	0.4	<0.2	3.2	1.4	<1.0	--	0.47	-26.2	--	5.0	<1.0	--	30000	M	38.7	6.68	78	0.00	0.00	0.21	0.40	0.39
		3/6/2017	549	<0.2	<0.2	1.3	0.3	<0.2	6.4	1.1	<1.0	--	0.46	-49.1	--	2.5	<1.0	--	29000	M	29.6	6.19	119	0.00	0.00	0.10	0.65	0.25
		6/2/2017	637	<0.2	<0.2	0.6	0.3	<0.2	6.1	2.1	<1.0	--	0.68	1.6	--	4.0	<1.0	--	23000	M	20.3	6.18	107	0.00	0.00	0.05	0.54	0.41
AGW271	SZ	8/13/2015	-22	<0.020	<0.2	6.5	0.7	<0.2	4.6	<1.0	<1.0	<1.0	1.32	204.0	--	6.2	<1.0	<0.16	2300	M	6.8	6.67	148	0.00	0.00	0.50	0.50	0.00
		12/7/2015	94	<0.020	1.2	15	1.8	<0.2	5.9	1.2	1.9	<1.0	0.33	22.2	<0.10	7.0	<1.0	<0.16	19000	M	971	5.55	277	0.00	0.02	0.45	0.25	0.28
		3/2/2016	180	<0.2	1.8	15	2.4	<0.2	2.8	1.5	3	<1.0	0.37	25.8	--	6.0	<10.0	<0.16	28000	M	1080	5.41	238	0.00	0.04	0.46	0.11	0.39
		6/16/2016	286	<0.2	0.3	6.9	0.7	<0.2	2	<1.0	<2.6	<1.0	0.58	-35.8	--	3.0	<1.0	<0.10	29000	M	48.6	6.02	113	0.00	0.02	0.70	0.28	0.00
		9/7/2016	369	<0.2	<0.2	4.4	0.5	<0.2	1.1	<1.0	<1.0	<1.0	0.43	-39.5	--	2.5	<1.0	<0.10	28000	M	16.9	5.97	68	0.00	0.00	0.74	0.26	0.00
		11/29/2016	452	<0.2	<0.2	2.5	0.5	<0.2	3.9	<1.0	<1.0	--	0.72	-25.5	--	8.0	<1.0	--	36000	M	14.0	6.51	93	0.00	0.00	0.33	0.67	0.00

Table 2-1
Data Summary
Algona Bioremediation Pilot Test
Boeing Auburn Facility

Well	Aquifer Zone	Date	Elapsed Time from Injection (days)	Volatile Organic Compounds									Aquifer Redox Conditions								Donor Indicators		Total cVOC (nmol/L)	Molar Fraction				
				PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (µg/L)	11DCE (µg/L)	VC (µg/L)	Ethene (µg/L)	Ethane (µg/L)	Acetylene (µg/L)	DO (mg/L)	ORP (mV)	Nitrate (mg/L)	Iron II (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Methane (µg/L)	Aquifer Redox State	TOC (mg/L)	pH		PCE	TCE	Total DCE	VC	Ethene+ Ethane
		3/7/2017	550	<0.2	<0.2	0.6	<0.2	<0.2	3.3	<1.0	6.3	--	0.76	-54.6	--	3.0	<1.0	--	34000	M	15.0	6.39	59	0.00	0.00	0.02	0.20	0.78
		6/2/2017	637	<0.2	<0.2	0.3	<0.2	<0.2	1.7	<1.0	<1.0	--	0.56	1.6	--	2.5	<1.0	--	30000	M	14.1	6.30	30	0.00	0.00	0.10	0.90	0.00
AGW272	SZ	8/13/2015	-22	<0.020	0.2	7.3	0.6	<0.2	0.66	<1.0	<1.0	<1.0	0.49	-55.2	--	1.8	1.5	<0.16	400	Fe/S	5.4	6.37	94	0.00	0.02	0.87	0.11	0.00
		12/7/2015	94	<0.020	0.2	6.4	0.7	<0.2	1.8	<1.0	<1.0	<1.0	1.36	-85.3	<0.10	4.0	<1.0	<0.16	940	M	3.5	5.33	104	0.00	0.01	0.71	0.28	0.00
		3/2/2016	180	<0.2	0.3	5.4	0.5	<0.2	1.2	<1.0	<1.0	<1.0	0.91	-71.43	--	1.0	1.1	<0.16	460	Fe/S	4.1	6.53	82	0.00	0.03	0.74	0.23	0.00
		6/17/2016	287	<0.2	0.3	4.9	0.6	<0.2	2	<1.0	<1.0	<1.0	0.76	-29.8	--	2.5	1.4	<0.10	450	Fe/S	4.1	6.43	91	0.00	0.03	0.62	0.35	0.00
		9/7/2016	369	<0.2	0.3	3.9	0.6	<0.2	2.3	<1.0	<1.0	<1.0	0.42	-37.5	--	3.0	1.6	<0.10	360	Fe/S	4.9	6.30	86	0.00	0.03	0.54	0.43	0.00
		11/28/2016	451	<0.2	0.4	6.0	0.7	<0.2	1.3	<1.0	<1.0	--	1.22	-19.0	--	5.0	<1.0	--	700	M	4.0	7.12	93	0.00	0.03	0.74	0.22	0.00
		3/6/2017	549	<0.2	0.4	5.5	0.6	<0.2	1.3	<1.0	<1.0	--	0.33	23.9	--	2.5	<1.0	--	500	M	4.3	6.64	87	0.00	0.04	0.73	0.24	0.00
		6/1/2017	636	<0.2	0.4	4.9	0.7	<0.2	1.4	<1.0	<1.0	--	0.89	0.2	--	2.0	1.7	--	440	Fe/S	4.3	6.57	83	0.00	0.04	0.69	0.27	0.00
AGW273	SZ	8/13/2015	-22	<0.020	<0.2	6.3	0.7	<0.2	4.2	<1.0	<1.0	<1.0	1.61	193.0	--	4.6	<1.0	<0.16	880	M	6.1	6.38	139	0.00	0.00	0.52	0.48	0.00
		12/7/2015	94	<0.020	<0.2	3.4	0.6	<0.2	6.0	<1.0	<1.0	<1.0	1.52	-99.3	<0.10	6.0	<1.0	<0.16	1500	M	6.0	4.77	137	0.00	0.00	0.30	0.70	0.00
		3/2/2016	180	<0.2	<0.2	3.5	0.5	<0.2	3.9	<1.0	<1.0	<1.0	0.51	-54.3	--	1.2	<1.0	<0.16	1300	M	6.1	6.48	104	0.00	0.00	0.40	0.60	0.00
		6/17/2016	287	<0.2	<0.2	2.9	5	<0.2	3.9	<1.0	<1.0	<1.0	0.71	24.1	--	2.0	<1.0	<0.10	1300	M	5.5	6.16	144	0.00	0.00	0.57	0.43	0.00
		9/7/2016	369	<0.2	<0.2	2.6	0.5	<0.2	4.2	<1.0	<1.0	<1.0	0.77	-30.9	--	4.0	<1.0	<0.10	900	M	6.7	6.21	99	0.00	0.00	0.32	0.68	0.00
		11/29/2016	452	<0.2	<0.2	2.4	0.5	<0.2	4.8	1.3	1.2	--	1.33	-26.6	--	6.0	<1.0	--	3600	M	6.4	6.81	107	0.00	0.00	0.16	0.40	0.45
		3/6/2017	549	<0.2	<0.2	2.6	0.4	<0.2	5	<1.0	<1.0	--	0.21	-10.9	--	4.5	<1.0	--	1200	M	6.4	6.58	111	0.00	0.00	0.28	0.72	0.00
		6/1/2017	636	<0.2	<0.2	2.5	0.5	<0.2	3.9	<1.0	<1.0	--	0.61	2.2	--	3.0	<1.0	--	1200	M	6.0	6.57	93	0.00	0.00	0.33	0.67	0.00
AGW274	SZ	8/13/2015	-22	<0.020	<0.2	<0.2	<0.2	<0.2	4.0	2.3	<1.0	<1.0	0.54	-36.6	--	3.6	<1.0	<0.16	1900	M	7.5	6.29	64	0.00	0.00	0.00	0.44	0.56
		12/7/2015	94	<0.020	<0.2	<0.2	<0.2	<0.2	1.9	1.3	2.2	<1.0	2.07	-95.0	<0.10	4.0	<1.0	<0.16	2700	M	8.1	4.83	30	0.00	0.00	0.00	0.20	0.80
		3/2/2016	180	<0.2	<0.2	2	0.4	<0.2	5.5	<1.0	<1.0	<1.0	0.43	-48.9	--	2.0	<1.0	<0.16	920	M	7	6.45	113	0.00	0.00	0.22	0.78	0.00
		6/17/2016	287	<0.2	<0.2	0.6	0.3	<0.2	4.6	1.5	<1.0	<1.0	0.47	-5.1	--	2.0	<1.0	<0.10	920	M	5.8	6.22	83	0.00	0.00	0.07	0.54	0.39
		9/8/2016	370	<0.2	<0.2	<0.2	<0.2	<0.2	1.1	1.6	3.6	<1.0	1.05	-33.1	--	2.8	<1.0	<0.10	9600	M	7	6.31	18	0.00	0.00	0.00	0.09	0.91
		11/29/2016	452	<0.2	<0.2	<0.2	<0.2	<0.2	0.7	1.6	4.6	--	0.83	-23.7	--	5.5	<1.0	--	13000	M	8.2	6.77	11	0.00	0.00	0.00	0.05	0.95
		3/6/2017	549	<0.2	<0.2	0.6	<0.2	<0.2	4.4	1.1	1.0	--	0.25	-27.3	--	1.5	<1.0	--	1500	M	7.6	6.54	77	0.00	0.00	0.04	0.47	0.49
		6/1/2017	636	<0.2	<0.2	1.9	0.4	<0.2	4.5	<1.0	<1.0	--	0.58	6.1	--	2.0	<1.0	--	700	M	6.7	6.54	96	0.00	0.00	0.25	0.75	0.00
AGW275	SZ	8/13/2015	-22	<0.020	<0.2	2.3	0.3	<0.2	7.7	<1.0	<1.0	<1.0	0.64	-47.6	--	3.0	1.0	<0.16	2000	M	7.6	6.33	150	0.00	0.00	0.18	0.82	0.00
		12/7/2015	94	<0.020	<0.2	2.5	0.3	<0.2	7.7	<1.0	<1.0	<1.0	1.02	-100.3	<0.10	4.5	<1.0	<0.16	2100	M	6.9	4.69	152	0.00	0.00	0.19	0.81	0.00
		3/2/2016	180	<0.2	<0.2	0.6	<0.2	<0.2	7.7	2.2	1.6	<1.0	0.35	-48.5	--	2.2	<1.0	<0.16	14000	M	79.7	6.39	129	0.00	0.00	0.02	0.47	0.50
		6/17/2016	287	<0.2	<0.2	<0.2	<0.2	<0.2	0.16	2.8	4.5	<1.0	0.44	0.07	--	3.5	<1.0	<0.10	26000	M	7.9	6.35	3	0.00	0.00	0.00	0.01	0.99
		9/8/2016	370	<0.2	<0.2	<0.2	<0.2	<0.2	0.061	<1.0	5.8	<1.0	0.46	-45.3	--	2.0	<1.0	<0.10	16000	M	8.3	6.43	1	0.00	0.00	0.00	0.01	0.99
		11/29/2016	452	<0.2	<0.2	<0.2	0.2	<0.2	0.055	<1.0	6.5	--	0.60	-30.4	--	7.0	<1.0	--	16000	M	4.1	6.81	3	0.00	0.00	0.01	0.00	0.99
		3/6/2017	549	<0.2	<0.2	<0.2	<0.2	<0.2	0.057	<1.0	5.1	--	0.20	-44.9	--	2.0	<1.0	--	14000	M	8.5	6.53	1	0.00	0.00	0.00	0.01	0.99
		6/1/2017	636	<0.2	<0.2	<0.2	<0.2	<0.2	0.053	<1.0	9.6	--	0.52	0.3	--	1.0	<1.0	--	17000	M	8.1	6.51	1	0.00	0.00	0.00	0.00	1.00
IW33	SZ	8/13/2015	-22	<0.020	<0.2	6.6	0.8	<0.2	3.0	<1.0	<1.0	<1.0	1.86	-17.1	--	2.6	<1.0	<0.16	940	M	7.4	6.13	124	0.00	0.00	0.61	0.39	0.00
		11/28/2016	451	--	--	--	--	--	--	--	--	--	9.27	38.3	--	--	--	--	--	--	205	8.14	--	--	--	--	--	--
IW34	SZ	8/17/2015	-18	<0.020	0.2	7.6	0.8	<0.2	4.9	<1.0	<1.0	<1.0	0.57	-60.2	--	4.0	<1.0	<0.16	1900	M	6.9	6.25	167	0.00	0.01	0.52	0.47	0.00
		12/7/2015	94	<0.10	1.6	8.5	1.2	<0.2	1.1	2.9	1.7	<1.0	1.79	-24.7	<1.0	9.5	22.5	<0.16	7900	S/M	6010	2.21	130	0.00	0.04	0.35	0.06	0.55
		3/2/2016	180	<0.2	5.3	16	2.5	<0.2	1.1	3	2.7	<1.0	0.39	44.1	--	7.0	<10.0	<0.16	15000	M	6450	4.63	249	0.00	0.09	0.43	0.04	0.44
		6/16/2016	286	<0.2	5.4	16	2.2	<0.2	0.9	3.8	2.2	<1.0	1.07	116	--	3.0	1.9	0.16	23000	M	3840	4.60	243	0.00	0.09	0.42	0.03	0.46
		9/7/2016	369	<0.2	1.9	7.4	0.8	<0.2	0.34	1.5	<1.0	<1.0	0.46	-85.3	--	6.0	1.1	0.14	17000	M	377	5.82	104	0.00	0.09	0.54	0.03	0.34
		11/28/2016	451	<2.0	<2.0	6.1	<2.0	<2.0	0.31	<1.0	<1.0	--	0.50	-69.7	--	7.0	<1.0	--	24000	M	259	6.69	68	0.00	0.00	0.93	0.07	0.00
		3/6/2017	549	<0.040 (a)	0.16 (a)	3.6	<2.0	<0.040 (a)	1.2	1.1	<1.0	--	0.89	-38.9	--	4.5	<1.0	--	24000	M	88	5.90	58	0.00	0.01	0.38	0.20	0.41
		6/1/2017	636	<0.2	<0.2	1.7	0.4	<0.2	2.2	2.4	< 1.0	--	0.53	28.3	--	1.0	<1.0	--	30000	M	36.6	5.81	58	0.00	0.01	0.15	0.25	0.60
IW35	SZ	8/17/2015	-18	<0.020	<0.2	3.3	0.5	<0.2	3.7	<1.0	<1.0	<1.0	0.77	-22.8	--	2.0	1.0	<0.16	1800	M	7.2	6.21	98	0.00	0.00	0.40	0.60	0.00
		11/28/2016	451	--	--	--	--	--	--	--	--	--	0.76	0.7	--	--	--	--	--	--	16.3	6.80	--	--	--	--	--	--
IW36	SZ	8/17/2015	-18	<0.020	0.2	3.3	0.7	<0.2	6.0	<1.0	<1.0	<1.0	0.58	-29.5	--	2.8	<1.0	<0.16	1700	M	7.6	6.29	139	0.00	0.01	0.30	0.69	0.00
		12/7/2015	94	<0.020	<1.0	1.6	<1.0	<1.0	3.8	<1.0	1.4	<1.0	1.77	-100.2	<0.10	6.0	<1.0	<0.16	17000	M	63.7	4.36	77	0.00	0.00	0.13	0.49	0.38
		3/2/2016	180	<0.2	<0.2	1.5	0.4	<0.2	5.7	<1.0	2	<1.0	0.32	-47.58	--	1.5	<1.0	<0.16	14000	M	17.9	6.31	111	0.00	0.00	0.11	0.51	0.38
		6/16/2016	286	<0.2	<0.2	1.5	0.4	<0.2	4.5	<1.0	1.9	<1.0	0.36	-7.85	--	1.0	<1.0	<0.10	11000	M	11.4	6.06	92	0.00	0.00	0.13	0.47	0.41
		9/7/2016	369	<0.2	<0.2	1.7	0.4	<0.2	4.3	<1.0	1.8	<1.0	0.35	-27.8	--	4.5	<1.0	<0.10	6600	M	11.2	6.25	90	0.00	0.00	0.14	0.46	0.40
		11/28/2016	451	<0.2	<0.2	1.7	0.4	<0.2	4.8	<1.0	1.2	--	0.87	-8.2	--	6.0	<1.0	--	2900	M	10.1	6.97	98	0.00	0.00	0.16	0.56	0.29

Table 2-1
Data Summary
Algona Bioremediation Pilot Test
Boeing Auburn Facility

Well	Aquifer Zone	Date	Elapsed Time from Injection (days)	Volatile Organic Compounds									Aquifer Redox Conditions								Donor Indicators		Total cVOC (nmol/L)	Molar Fraction				
				PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (µg/L)	11DCE (µg/L)	VC (µg/L)	Ethene (µg/L)	Ethane (µg/L)	Acetylene (µg/L)	DO (mg/L)	ORP (mV)	Nitrate (mg/L)	Iron II (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Methane (µg/L)	Aquifer Redox State	TOC (mg/L)	pH		PCE	TCE	Total DCE	VC	Ethene+ Ethane
		3/6/2017	549	<0.2	<0.2	1.3	0.4	<0.2	6.1	<1.0	<1.0	--	0.71	-38.9	--	1.5	<1.0	--	2500	M	10.8	6.45	115	0.00	0.00	0.15	0.85	0.00
		6/1/2017	636	<0.2	<0.2	1.3	0.4	<0.2	5.5	<1.0	2.0	--	0.36	5.9	--	1.5	<1.0	--	2800	M	10.3	6.50	106	0.00	0.00	0.10	0.51	0.39
IW37	SZ	8/13/2015	-22	<0.020	<0.2	5.3	0.5	<0.2	4.9	<1.0	<1.0	<1.0	0.56	-45.0	--	2.0	<1.0	<0.16	1800	M	6.6	6.29	138	0.00	0.00	0.43	0.57	0.00
		12/7/2015	94	0.16	1.3	13	2.0	<0.2	1.5	5.8	3.1	<1.0	1.40	-24.2	<1.0	9.0	6.6	<0.16	3800	M	4780	2.45	190	0.00	0.02	0.31	0.05	0.62
		3/2/2016	180	<0.2	0.8	7.7	1.0	<0.2	1.2	1.8	2.2	<1.0	0.47	35.1	--	5.0	<10.0	<0.16	23000	M	2480	5.00	115	0.00	0.02	0.36	0.08	0.54
		6/17/2016	287	<0.2	0.3	6	0.3	<0.2	0.4	<1.0	1.6	<1.0	0.91	-81.5	--	2.5	<1.0	<0.10	20000	M	1130	5.99	74	0.00	0.02	0.51	0.05	0.42
		9/7/2016	369	<0.2	<0.2	2.7	<0.2	<0.2	0.14	<1.0	<1.0	<1.0	0.91	-123.4	--	5.0	1.3	<0.10	17000	M	337	6.08	30	0.00	0.00	0.93	0.07	0.00
		11/28/2016	451	<0.2	<0.2	2.7	<0.2	<0.2	0.062	<1.0	<1.0	--	0.67	-106.8	--	7.0	<1.0	--	25000	M	356	6.99	29	0.00	0.00	0.97	0.03	0.00
		3/7/2017	550	<0.2	<0.2	2.5	<0.2	<0.2	0.17	<1.0	<1.0	--	0.74	-104.3	--	2.0	<1.0	--	27000	M	180	6.28	29	0.00	0.00	0.90	0.10	0.00
		6/1/2017	636	<0.2	<0.2	1.8	<0.2	<0.2	0.38	2.6	< 1.0	--	0.66	-49.3	--	4.5	<1.0	--	31000	M	87.6	6.30	25	0.00	0.00	0.16	0.05	0.79

Notes:

Blue shading indicates the compound with highest molar fraction per event

Total DCE is the sum of cDCE, tDCE, and 11DCE

Electron donor injection performed August 18 through September 4, 2015

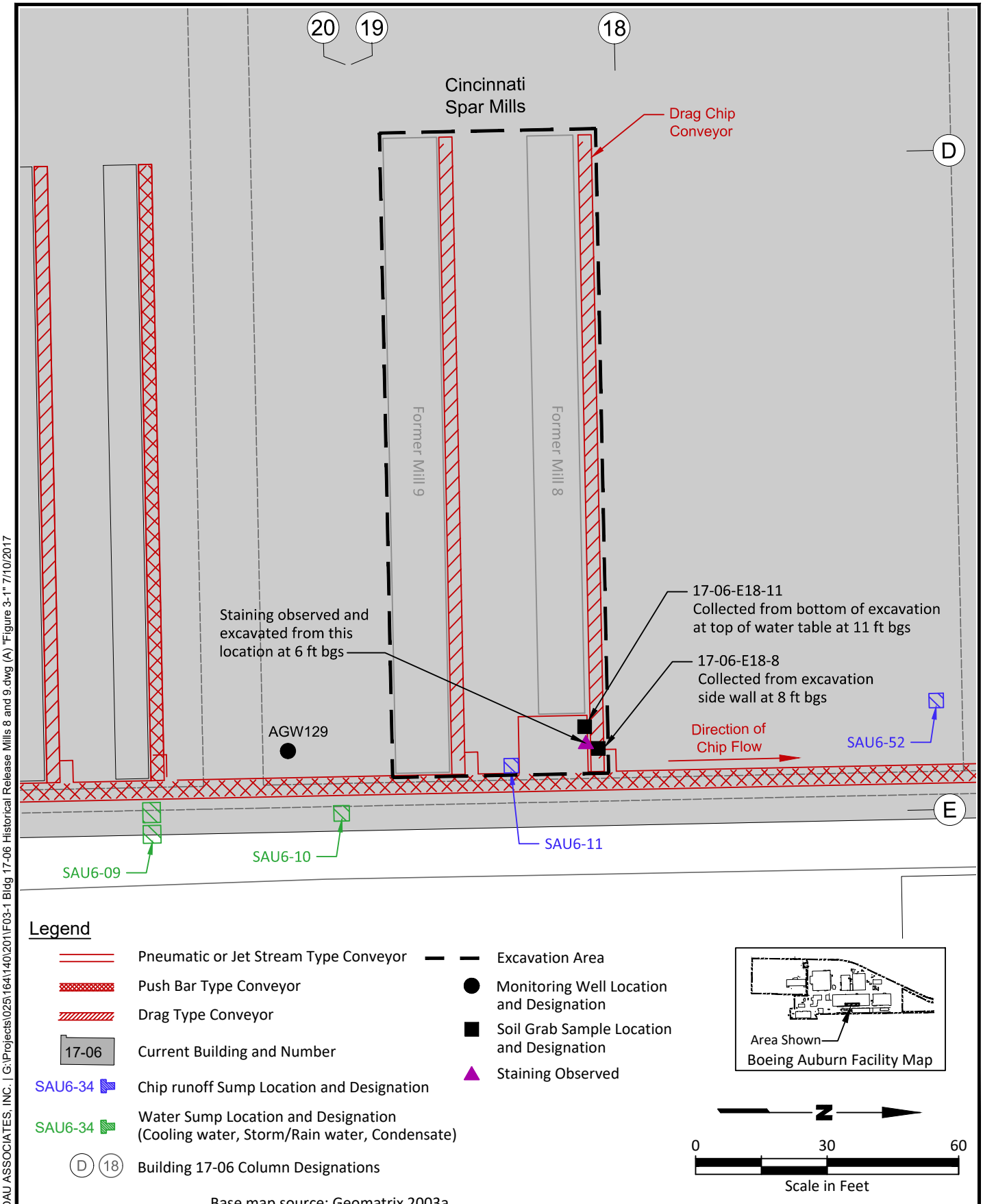
(a) Results presented are from analysis by Method 8260C SIM. Samples were reanalyzed by Method 8260C SIM in order to meet data quality objectives due to elevated reporting limits (2.0 µg/L) in the Method 8260C run.

Abbreviations/Acronyms:

-- = not applicable/not analyzed
11DCE = 1,1-dichloroethene
cDCE = cis-1,2-dichlorethene
cVOC = chlorinated volatile organic compounds
DO = dissolved oxygen
Fe = Iron-reducing
IZ = Intermediate Zone
M = Methanogenic
µg/L = micrograms per liter
µmol/L = micromoles per liter
mg/L = micrograms per liter
mV = millivolt
ORP = oxygen-reduction potential
PCE = tetrachloroethene
S = Sulfate-reducing
SZ = Shallow Zone
tDCE = trans-1,2-dichloroethene
TCE = trichloroethene
VC = vinyl chloride
WT = Water Table Zone

Attachment 3

Building 17-06 Release Reporting



Base map source: Geomatrix 2003a

LANDAU ASSOCIATES, INC. | G:\Projects\025\164140\201\F03-1 Bldg 17-06 Historical Release Mills 8 and 9.dwg (A) "Figure 3-1" 7/10/2017

LANDAU ASSOCIATES

Boeing Auburn
Auburn, Washington

Building 17-06 Historical Release Mills 8 and 9

Figure
3-1

Table 3-1
Building 17-06 Release Reporting
Boeing Auburn Facility
Auburn, Washington

Field Sample ID:	17-06-E18-11	17-06-E18-8
Laboratory SDG:	1797750	1797750
Sample Date:	5/2/2017	5/2/2017
Sample Type:	N	N
Petroleum Hydrocarbons (mg/kg; NWTPH-Dx Modified)		
Diesel Range Organics (C12-C24)	**670 J**	**8,400**
Oil Range Organics (C24-C40)	**2,600 J**	**43,000**

Notes:

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Bold text indicates detected analyte.

Abbreviations/Acronyms:

mg/kg = milligrams per kilogram

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

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2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

The Boeing Company
PO Box 3707 MC 1W-12
Seattle WA 98124

Report Date: May 16, 2017

Project: Boeing Auburn

Submittal Date: 05/03/2017
Group Number: 1797750
PO Number: 0025104.140.103
State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LL) #
17-06-E18-11 Soil	8977325
17-06-E18-8 Soil	8977326

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ . To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To	Landau Associates	Attn: Jennifer Wynkoop
Electronic Copy To	The Boeing Company	Attn: Carl Bach

Respectfully Submitted,

Kay Hower

(717) 556-7364

Project Name: Boeing Auburn
LL Group #: 1797750

General Comments:

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are not included in this data set

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:

ECY 97-602 NWTPH-Dx modified, GC Petroleum Hydrocarbons w/Si

Batch #: 171300012A (Sample number(s): 8977325-8977326 UNSPK: 8977325 BKG: 8977325)

The recovery(ies) for the following analyte(s) in the MS were below the acceptance window: DRO C12-C24 w/Si Gel

The duplicate RPD for the following analyte(s) exceeded the acceptance window: DRO C12-C24 w/Si Gel, HRO C24-C40 w/Si Gel

Sample Description: 17-06-E18-11 Soil
Boeing Auburn

LL Sample # WW 8977325
LL Group # 1797750
Account # 13419

Project Name: Boeing Auburn

Collected: 05/02/2017 07:54 by KMG

Submitted: 05/03/2017 09:40
Reported: 05/16/2017 10:27

The Boeing Company
PO Box 3707 MC 1W-12
Seattle WA 98124

E1811

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**mg/kg**	**mg/kg**	
02214	**DRO C12-C24 w/Si Gel**	n.a.	**670**	38	5
02214	**HRO C24-C40 w/Si Gel**	n.a.	**2,600**	160	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	**Moisture**	n.a.	**8.4**	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02214	NWTPH-Dx soil w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	171300012A	05/15/2017 10:41	Thomas C Wildermuth	5
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	171300012A	05/10/2017 17:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997	1	17128820003B	05/09/2017 01:11	Scott W Freisher	1

Sample Description: 17-06-E18-8 Soil
Boeing Auburn

LL Sample # WW 8977326
LL Group # 1797750
Account # 13419

Project Name: Boeing Auburn

Collected: 05/02/2017 08:07 by KMG

Submitted: 05/03/2017 09:40
Reported: 05/16/2017 10:27

The Boeing Company
PO Box 3707 MC 1W-12
Seattle WA 98124

E1808

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**mg/kg**	**mg/kg**	
02214	**DRO C12-C24 w/Si Gel**	n.a.	**8,400**	740	100
02214	**HRO C24-C40 w/Si Gel**	n.a.	**43,000**	3,200	100
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	**Moisture**	n.a.	**5.9**	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02214	NWTPH-Dx soil w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	171300012A	05/12/2017 17:35	Thomas C Wildermuth	100
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	171300012A	05/10/2017 17:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997	1	17128820003B	05/09/2017 01:11	Scott W Freisher	1

Quality Control Summary

Client Name: The Boeing Company
Reported: 05/16/2017 10:27

Group Number: 1797750

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result		LOQ
	mg/kg		mg/kg
Batch number: 171300012A	Sample number(s): 8977325-8977326		
DRO C12-C24 w/Si Gel	7.0	U	7.0
HRO C24-C40 w/Si Gel	30	U	30

LCS/LCSD

Analysis Name	LCS Spike Added mg/kg	LCS Conc mg/kg	LCSD Spike Added mg/kg	LCSD Conc mg/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 171300012A	Sample number(s): 8977325-8977326								
DRO C12-C24 w/Si Gel	133	119.3			90		50-133		
	%	%	%	%					
Batch number: 17128820003B	Sample number(s): 8977325-8977326								
Moisture	89.5	89.44			100		99-101		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/kg	MS Spike Added mg/kg	MS Conc mg/kg	MSD Spike Added mg/kg	MSD Conc mg/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 171300012A	Sample number(s): 8977325-8977326 UNSPK: 8977325									
DRO C12-C24 w/Si Gel	611.96	133	334.09			-208 (2)		50-133		

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: The Boeing Company
Reported: 05/16/2017 10:27

Group Number: 1797750

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc	DUP Conc	DUP RPD	DUP RPD Max
	mg/kg	mg/kg		
Batch number: 171300012A	Sample number(s): 8977325-8977326 BKG: 8977325			
DRO C12-C24 w/Si Gel	611.96	254.69	82*	20
HRO C24-C40 w/Si Gel	2418.58	944.76	88*	20
	%	%		
Batch number: 17128820003B	Sample number(s): 8977325-8977326 BKG: P977240			
Moisture	11.93	11.54	3	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: NWTPH-Dx soil w/Si Gel
Batch number: 171300012A

	Orthoterphenyl
8977325	142
8977326	114
Blank	111
DUP	124
LCS	108
MS	132
Limits:	50-150

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Boeing Chain of Custody

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Acct. # 1349 For Eurofins Lancaster Laboratories use only Group # 397750 Sample # 397325-26

Please print. Instructions on reverse side correspond.

1 Client Information

Site Location: Auburn, WA

Site Project: Boeing Auburn

Site Program/#: 0025764.140.103

Boeing PM: ~~Jim Bet~~ Carl Bach

Consultant Contact: ~~Carl Bach~~ Jennifer Wynkoop and Jim Swartz

Report To: ~~Jim Bet~~ Jennifer Wynkoop (See CMS list)

Invoice To: ☒ Boeing EHS ☐ Other (specify): ~~Jim Bet~~ (See CMS list)

Sampler: KMG/JWW # of Coolers: 1

4 Analyses Requested

NWTPH-Dx

5 Remarks/Comments

2 Sample Identification	Collected Date	Collected Time	3 Matrix	No. of Containers	NWTPH-Dx
17-06-E18-11	5/2/17	7:54	Soil	1	X
17-06-E18-8	5/2/17	8:07	Soil	1	X

6 Turnaround Time Requested (please circle)

Standard | 5 day | 4 day

72 hour | 48 hour | 24 hour

Date needed: _____

Relinquished by:	Date/Time	Received by:	Date/Time
Katie M. Hughes	5/2/2017	13:00	
Relinquished by:	Date/Time	Received by:	Date/Time
Relinquished by:	Date/Time	Received by:	Date/Time 5/3/17 940

Relinquished by commercial carrier (circle): UPS FedEx Other: _____

Temperature upon Receipt: 5.9 °C

Custody Seals Intact?: Yes No

7

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Sample Administration Receipt Documentation Log

Doc Log ID: 182554

Group Number(s): 1797750

Client: Boeing

Delivery and Receipt Information

Delivery Method:	Fed Ex	Arrival Timestamp:	05/03/2017 9:40
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	WA		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Simon Nies (25112) at 16:09 on 05/03/2017

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	0.9	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mg**	milligram(s)
C	degrees Celsius	**mL**	milliliter(s)
cfu	colony forming units	**MPN**	Most Probable Number
CP Units	cobalt-chloroplatinate units	**N.D.**	none detected
F	degrees Fahrenheit	**ng**	nanogram(s)
g	gram(s)	**NTU**	nephelometric turbidity units
IU	International Units	**pg/L**	picogram/liter
kg	kilogram(s)	**RL**	Reporting Limit
L	liter(s)	**TNTC**	Too Numerous To Count
lb.	pound(s)	**µg**	microgram(s)
m3	cubic meter(s)	**µL**	microliter(s)
meq	milliequivalents	**umhos/cm**	micromhos/cm

< less than

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…
W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.