LANDAU ASSOCIATES

January 15, 2018

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. 61, October through December 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. 61, which covers the 3-month activity period of October through December 2017.

References

1. October 2, 2017. Letter: Variance request from Washington Administrative Code (WAC) for installation of a product not meeting various requirements. The project is located at 2400 Perimeter Rd. SW, Auburn, in NE1/4 NW1/4, Section 25, Township 21, Range 04E, W.M. in King County. From Ria Berns, Water Resources Program, Washington State Department of Ecology (Ecology), to Jennifer Wynkoop, Landau Associates (LAI).
2. October 4, 2017. Newforma File Transfer: Boeing Auburn Final RI Report. From Jennifer Wynkoop, LAI, to Neal Hines and Robin Harrover, Ecology, and Carl Bach and James Swortz, Boeing. (LAI Report: Remedial Investigation Report, Boeing Auburn Facility, Auburn, Washington. Prepared for The Boeing Company. September 15, 2017).
3. October 5, 2017. Email: Updating Ecology Site Documents Page. From Robin Harrover, Ecology, to Jennifer Wynkoop, LAI.
4. October 9, 2017. Ecology Listserv: Boeing Auburn Contamination Cleanup Information at City of Auburn Annex now.
5. October 13, 2017. Email: CN Sampling Methodology – Ecology Request for Updates to the SAP. From Robin Harrover, Ecology, to Jennifer Wynkoop and Sarah Fees, LAI.
6. October 15, 2017. Email: Re: CN Sampling Methodology – Ecology Request for Updates to the SAP. From Jennifer Wynkoop, LAI, to Robin Harrover, Ecology.

7. October 16, 2017. Letter: Status Report No. 60, July Through September 2017 Activity Period, Boeing Auburn Facility, WAD 041337130, RCRA Corrective Action Agreed Order No. 01HWTRNR-3345, Auburn, Washington. From Jennifer Wynkoop, LAI, to Robin Harrover, Ecology.
8. October 17, 2017. Newforma File Transfer: Final RI – Web Version – Boeing-Auburn Site Wide Corrective Action. From Jennifer Wynkoop, LAI, to Neal Hines, Robin Harrover, and Thea Levkovitz, Ecology.
9. October 18, 2017. Email: Cyanide SOP – Method ASTM D 7511-09. From Lisa Domenighini, APEX Laboratories, to Samuel Iwenofu and Neal Hines, Ecology. (Attachment: Apex Lab's standard operating procedures (SOP) Method OIA Total Cyanide D7511-09.)
10. October 18, 2017. Email: Boeing Fabrication Auburn Site – 3rd Qtr Status Report No. 60, July – Sept. 2017. From Robin Harrover, Ecology, to representatives of City of Auburn, City of Algona, City of Pacific, and Washington State Department of Health (WDOH).
11. October 19, 2017. Conference Call: Discuss Approach to Establishing CULs and CU Remedies. Attended by Robin Harrover and Neal Hines, Ecology; Carl Bach, Boeing; Jennifer Wynkoop and Sarah Fees, LAI.
12. October 27, 2017. Ecology Listserv: Boeing Auburn Groundwater Information Displays at Auburn Library, October 27 – November 10, 2017.
13. November 2, 2017. Email: Boeing Auburn Outreach Material review – head's up. From Thea Levkovitz, Ecology, to representatives of Boeing, LAI, City of Auburn, City of Algona, and Futurewise. (Attachments: 2017 Year-end Update flier and postcard.)
14. November 8, 2018. Email: RE: Boeing Auburn Outreach Material review – head's up. From Kamara Sams, Boeing, to Thea Levkovitz, Ecology. (Attachments: Boeing comments on 2017 Year-end Update flier and postcard.)
15. November 10, 2017. Letter: Cyanide Investigation Data Submittal, Building 17-07 Area of Concern A-09, Boeing Auburn Facility, Auburn, Washington. From Sarah Fees and Jennifer Wynkoop, LAI, to Robin Harrover and Neal Hines, Ecology.
16. November 14, 2017. Ecology Listerv: Learn More About Boeing Auburn Groundwater Cleanup - Informational Displays at Algona-Pacific Library.
17. November 27, 2017. Newforma File Transfer: Boeing Auburn RI Report Final. From Jennifer Wynkoop, LAI, to representatives of ICF International (ICF) and City of Algona.
18. December 6, 2017. Ecology Listserv: New Listserv Address Test Message.
19. December 8, 2017. Letter: Revised 2017 Feasibility Study Activities Data Submittal – Building 17-06, Boeing Auburn Facility, Auburn, Washington. From Sarah Fees and Jennifer Wynkoop, LAI, to Robin Harrover and Neal Hines, Ecology.
20. December 14, 2017. Email: APEX Labs and Washington Accreditation. From Robin Harrover, Ecology, to Carl Bach, Boeing.
21. December 15, 2017. Letter: 2017 Feasibility Study Additional Field Activities Data Submittal, Former Building 17-03 and AOC A-01 – Boeing Auburn Facility, Auburn, Washington. From Sarah Fees and Jennifer Wynkoop, LAI, to Robin Harrover and Neal Hines, Ecology.

22. December 18, 2017. Letter: AGW278 Resampling Data Submittal, Boeing Auburn Facility, Auburn, Washington. From Sarah Fees and Jennifer Wynkoop, LAI, to Robin Harrover and Neal Hines, Ecology.
23. December 20, 2017. Email: RE: APEX Labs and Washington Accreditation. From Jennifer Wynkoop, LAI, to Robin Harrover, Ecology, and Carl Bach, Boeing. (Attachment: APEX Washington State Laboratory Scope of Accreditation.)
24. December 20, 2017. Ecology Listserv: Check out the new Boeing Auburn Webpage.

Work Conducted

General Site-wide Corrective Action Activities

On October 16, 2017, LAI submitted Status Report No. 60 regarding third quarter 2017 activities to Ecology and other stakeholders[1] for their records (Reference #7). Ecology project managers, Robin Harrover and Neal Hines, continued to attend regularly scheduled monthly[2] conference calls with Boeing, LAI, and the City of Algona's environmental consultant, 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.

Groundwater Sampling

Phase VII (i.e., seven) semiannual groundwater sampling took place from November 27 through December 7, 2017. The semiannual groundwater sampling data are provided in Attachment 1. The current monitoring well network is shown on Figure 1-1. A sampling matrix for the December 2017 semiannual 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.

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 and recommendations for wells that were not suitable for PDB sampling. These recommendations were implemented during the June 2017 annual groundwater sampling event. One well (AGW126) had inconclusive results for the comparison of low-flow to PDB sampling results and was re-evaluated using the June and December 2017 semiannual groundwater sampling results. The time series plot for this well is shown on Figure 1-2. The PDB data from well AGW126 is not consistent with historical low-flow sampling results; therefore, this well will be sampled using low-flow techniques in the future.

[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 WDOH (Reference #10).

[2] Conference calls occurred in October and November. The December conference call was canceled.

Algona Enhanced Natural Attenuation Pilot Test

The enhanced natural attenuation 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.

The December 2017 quarterly sampling event was the ninth 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.

Indications of post-injection enhanced bioremediation have been observed at nine wells consisting of three regularly monitored injection wells (IW34, IW36, and IW37) and five downgradient monitoring wells (AGW240-5, AGW244, AGW269, AGW270, AGW271, 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 products. 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 9.2 mg/L to 48 mg/L. TOC at the two downgradient wells ranged from 14 mg/L to 17 mg/L. TOC concentrations at the other downgradient monitoring wells (AGW240-5, AGW244, AGW269, and AGW275) have returned to baseline concentrations following earlier post-injection increases; however, highly reducing aquifer conditions and ethene/ethane production continue at three of these locations (AGW240-5, AGW269, and AGW275).

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 (VC) concentrations and detections of end products ethene and/or ethane have been observed at all 12 wells discussed above except AGW244 where volatile organic compounds (VOC) have not been 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, and have now been detected at 11 out of the 12 wells (the exception being AGW244, which does not have detections of VOCs).

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 completed on May 8, 2017. Ecology compiled responses to public comments in a responsiveness summary and approved the draft RI report in September 2017. Boeing finalized the report and submitted it to Ecology on October 4, 2017 (Reference #2). Ecology requested a web version of the RI report on October 5, 2017 (Reference #3). Boeing provided a web version of the RI report to Ecology on October 17, 2017 (Reference #8). Boeing also provided a copy of the RI report to the City of Algona on November 27, 2017 (Reference #17).

Feasibility Study Investigation

The feasibility study (FS) work plan was submitted to Ecology in May 2017. Ecology agreed to provide approval of portions of the work plan as needed to complete field activities in a timely manner. Prior to the fourth quarter 2017, Ecology and Boeing completed a number of meetings to discuss the FS work plan and FS cleanup technologies, which were described in previous status reports. In the fourth quarter, Boeing and Ecology had a conference call about establishing cleanup levels and cleanup technologies on October 19, 2017 (Reference #11). Based on Ecology comments of the FS work plan, Boeing plans to submit an FS cleanup technologies screening table to add to the FS work plan in the first quarter 2018. Boeing expects to receive full Ecology approval and finalize the FS work plan in the first quarter 2018.

FS fieldwork investigation activities began in June 2017. Initial investigation activities in June consisted of sub-slab soil gas sampling in Building 17-07, soil gas sampling at former Building 17-03, and soil and groundwater sampling at Area of Concern (AOC) A-01. Additional FS investigation activities were completed in August and September 2017 and included soil and groundwater sampling from borings drilled at the former Building 17-03, AOC A-01, and Building 17-06 (AOC A-13) and installation of monitoring wells AGW277 (Building 17-06) and AGW278 (continuous multichannel tubing [CMT] well, Building 17-07[3]). Additional FS investigation activities in the fourth quarter 2017 included additional field activities and submittal of data to Ecology as it became available. These activities are described below.

Former Building 17-03 and Area of Concern A-01

The results of the Building 17-03 and AOC A-01 investigation activities conducted in August and September were provided to Ecology on December 15, 2017 (Reference #21).

[3] Boeing received a draft of the CMT well variance prior to installation of the well. Boeing received the final CMT well variance from Ecology on October 2, 2017 (Reference #1).

Building 17-06 (Area of Concern A-13)

In September 2017, Boeing submitted results from the August and September 17-06 investigation activities and recommendations for additional work to occur in December. Ecology provided initial comments on the data submittal and requested the addition of a cross-section figure showing extent of petroleum hydrocarbon contamination. Boeing submitted the revised 17-06 data submittal on December 8, 2017 (Reference #19).

Additional FS field investigation activities in Building 17-06 occurred from December 27 through December 29, 2017. The investigation included soil and groundwater sampling from four borings and installation of four monitoring wells using sonic drilling techniques. Well development and initial sampling of the newly installed wells will occur in January 2018. Results of the additional Building 17-06 investigation activities will be summarized in a data submittal for Ecology review in the first quarter 2018.

Building 17-07 (Monitoring Well AGW278)

Initial sampling of the newly installed well AGW278 was completed during the quarterly groundwater sampling event in September 2017. Chloroform was detected in several channels of AGW278. Detections of chloroform are an indicator that drilling water is still present in the vicinity of the well. In accordance with the project sampling and analysis plan, wells that have initial groundwater samples with chloroform will be resampled after one month. Well AGW278 was resampled on October 9, 2017. Results of the resampling of CMT well AGW278 were provided to Ecology on December 18, 2017 in a data submittal (Reference #22).

Cyanide Investigation (Area of Concern A-09)

Cyanide investigation activities continued at AOC A-09. A cyanide preservative study was completed in September 2017. Follow-up sampling occurred on October 2, 2017. Ecology had a number of requests and follow-up items regarding cyanide sampling (Reference #5). Boeing responded to these items in an email on October 15, 2017 (Reference #6). Boeing's selected laboratory (Apex Laboratory) also provided their laboratory SOP for cyanide analysis on October 18, 2017 (Reference #9). Results from the September and October cyanide sampling investigation events and recommendations for continued sampling were summarized in a data submittal. This data submittal was provided to Ecology on November 10, 2017 (Reference #15). Ecology provided a response to the cyanide investigation data submittal with some additional requests on December 14, 2017 (Reference #20). Boeing responded to Ecology's requests on December 20, 2017 (Reference #23).

Boeing and Ecology discussed continued cyanide sampling activities during a regularly scheduled conference call. Boeing and Ecology agreed on sampling six monitoring wells for cyanide during the December 2017 semiannual groundwater sampling event. These groundwater samples for total cyanide analysis were collected using field-filtration techniques and both preserved and unpreserved samples are analyzed. Only the preserved sample results are included in the project database. Results

from the preserved sampling are presented in Attachment 1. Comparison of preserved and unpreserved results will be provided to Ecology in a separate data submittal after additional sampling has been completed in March and June 2018.

Pore Water Investigation at Mill Creek (Area of Concern A-15)

During the fourth quarter 2017, pore water monitoring piezometers were installed at three locations in Mill Creek. Boeing received an access agreement from City of Auburn for the installation of these piezometers dated October 6, 2017. Pore water piezometer installation occurred on October 16, 2017. Initial sampling of the pore water piezometers occurred on October 17 and 18, 2017. A data submittal summarizing results of the pore water installation and sampling will be provided to Ecology in the first quarter 2018.

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).

Boeing and Ecology also continue to update the City of Auburn on activities, as needed. The City of Auburn was notified about the installation and sampling of the pore water piezometers. A representative from the City of Auburn (Maggie Gipson) also attended the pore water piezometer installation activities for observation.

Ecology posted several update notifications to their website regarding information displays at City of Auburn (References #4 and #12) and at City of Algona (Reference #16); Ecology's new Listserv address (Reference #18); and Ecology's new Boeing Auburn website (Reference #24). Ecology also provided 2017 year-end update materials for stakeholder review on November 2, 2017 (Reference #13). Boeing provided comments on the 2017 year-end update materials on November 8, 2017 (Reference # 14).

Building 17-06 Ongoing Monitoring

Boeing is continuing monthly monitoring for petroleum hydrocarbons in wells AGW128 and AGW277 located in Building 17-06. During the fourth quarter, free-phase product was detected in well AGW128 in October and November, but not in December. Free-phase product has not been detected in well AGW277. Sorbent socks have been placed in well AGW128 to extract free-phase product and are replaced approximately monthly. If free-phase product is detected in well AGW277 in the future, a sorbent sock will be installed at this location also. Boeing will continue to replace the sorbent sock in well AGW128 as long as product is present and will check for product in both wells regularly.

Occurrence of Problems

Laboratory reports for the first quarter 2017 and the third quarter 2017 were not provided to Ecology with those respective quarterly reports. All missing laboratory reports for 2017 are included in the DVD of laboratory reports provided to Ecology with this document.

One of the wells along Perimeter Road (AGW105) was discovered damaged during annual groundwater sampling in June 2017. The PVC casing inside the monument was damaged and during a camera scope, the well was determined to have collapsed just below the surface. The well was decommissioned in August 2017 and the decommissioning log was submitted to Ecology in the third quarter status report. Ecology has requested that Boeing replace well AGW105. Boeing anticipates replacing the well in early January 2018.

Projected Work for Next Reporting Period January through March 2018

Activities projected for the next reporting period pertain to the FS fieldwork, Algona pilot test, reporting, and ongoing monitoring of groundwater and surface water. Tasks during first quarter 2018 are expected to include:

- Finalize the FS work plan
- Re-installation and development of well AGW105
- Development and initial sampling of newly installed wells in Building 17-06
- Surveying newly installed wells
- Providing Ecology with a data submittal summarizing additional FS investigation results that occurred in December 2017 at Building 17-06
- Providing Ecology with a data submittal summarizing Mill Creek pore water piezometer installation and initial sampling results
- Submitting a draft site-wide natural attenuation assessment report
- Submitting a draft contaminant transport model report
- Preparation of the FS report
- Conducting the semiannual surface water monitoring event in March 2018
- Conducting the quarterly groundwater sampling event in March 2018.

Other Significant Findings, Changes, and Contacts

None noted.

* * * * * *

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.

Sarah Fees

Sarah Fees, LG
Senior Project Geologist

Jennifer Wynkoop
Principal Scientist

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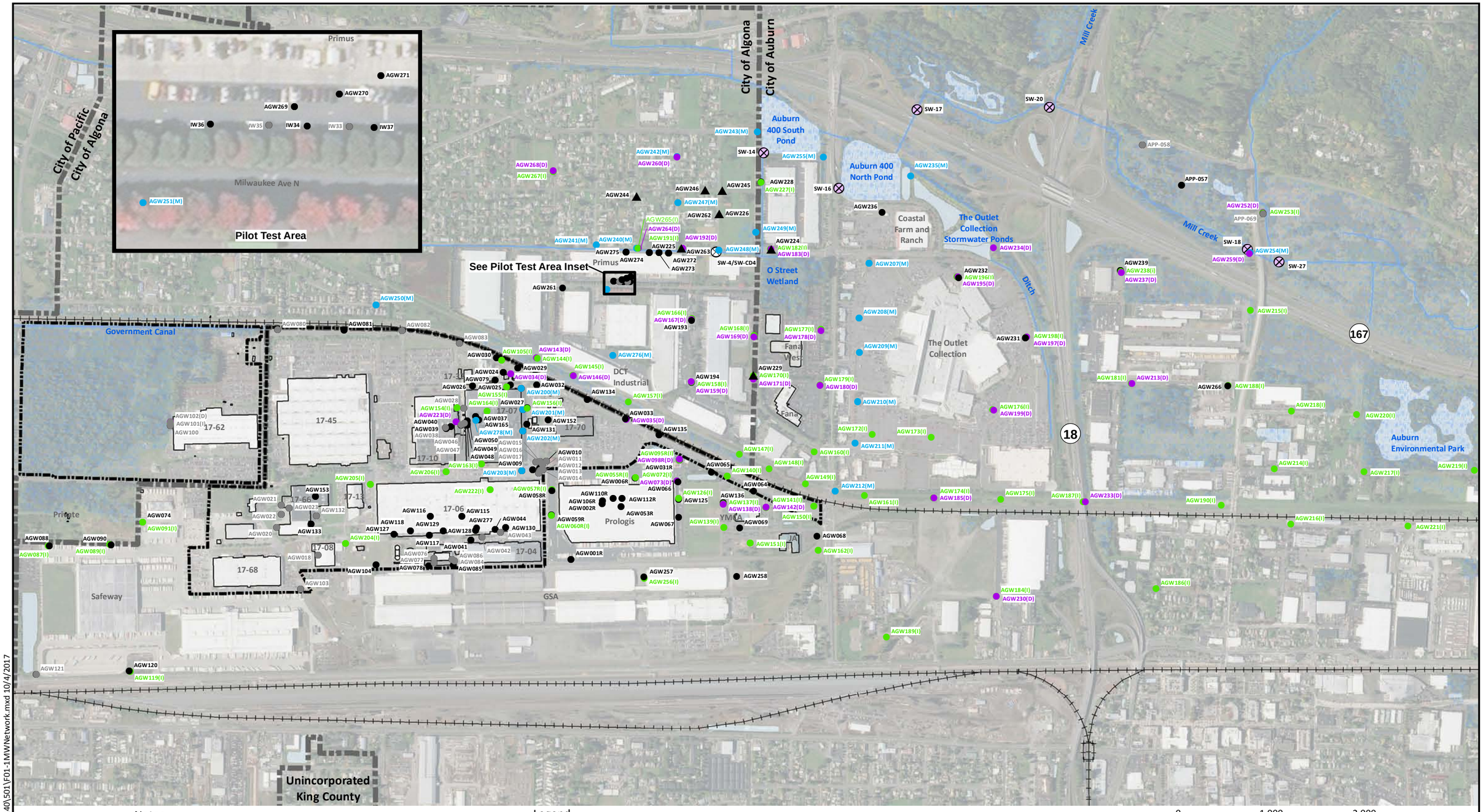
Neal Hines, Ecology (email only)
Jason Berry, YMCA Auburn (email only)

Attachments: Attachment 1: Groundwater Sampling Results
Attachment 2: Pilot Test Results
Laboratory Data Reports (on DVD)

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
- Annual Surface Water Sample Location
- Semiannual Surface Water Sampling Location
- Wetland Areas
- Water Bodies
- Waterways

N

0 1,000 2,000

Scale in Feet

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

G:\Projects\025\164\140\501\F01-1MWNetwork.mxd 10/4/2017

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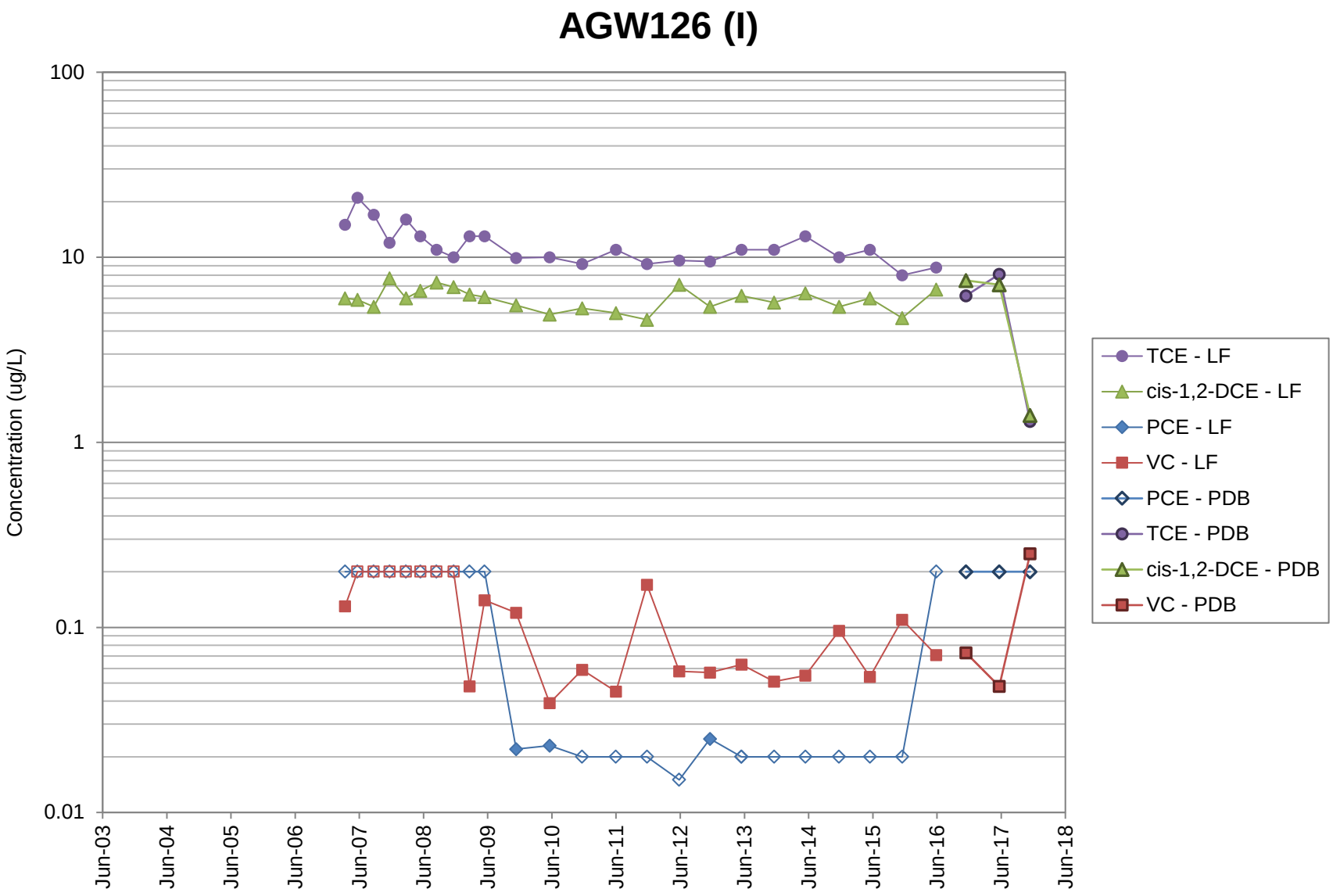
Boeing Auburn Auburn, Washington	**Current Monitoring Well Network**	Figure 1-1



Boeing Auburn Facility Auburn, WA	**AGW126: Time Series Plot**	Figure 1-2

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Table 1-1
4Q2017 Groundwater Sampling Matrix
Boeing Auburn Facility

Sample Location	Field Sample ID	Sample Date	Sample Type	Laboratory SDG	Laboratory Sample ID	Total Cyanide ASTM D7511	Sulfate by EPA 300.0	TPH-D by NWTPH-Dx	TPH-G by NWTPH-Gx	MEE by RSK-175	TOC by SM 5310C	Metals by SW-846 6020A	VOCs by SW-846 8260C
AGW001R	AGW001R-20171129	11/29/2017	PDN	580-73219-1	580-73219-2								X
AGW002R	AGW002R-20171129	11/29/2017	N	580-73219-1	580-73219-6		X			X	X		X
AGW006R	AGW006R-20171201	12/1/2017	PDN	580-73292-1	580-73292-13								X
AGW006R	AGW900-20171201	12/1/2017	PDFD	580-73292-1	580-73292-16								X
AGW010	AGW010-20171201	12/1/2017	N	580-73292-1	580-73292-2			X	X				X
AGW010	AGW901-20171201	12/1/2017	FD	580-73292-1	580-73292-3			X	X				X
AGW024	AGW024-20171207	12/7/2017	PDN	580-73468-1	580-73468-3								X
AGW025	AGW025-20171207	12/7/2017	PDN	580-73468-1	580-73468-5								X
AGW026	AGW026-20171205	12/5/2017	PDN	580-73411-1	580-73411-10								X
AGW027	AGW027-20171206	12/6/2017	PDN	580-73414-1	580-73414-10								X
AGW031R	AGW031R-20171130	11/30/2017	PDN	580-73258-1	580-73258-10								X
AGW032	AGW032-20171206	12/6/2017	PDN	580-73414-1	580-73414-12								X
AGW033	AGW033-20171204	12/4/2017	PDN	580-73322-1	580-73322-14								X
AGW037	AGW037-20171128	11/28/2017	PDN	580-73192-1	580-73192-6								X
AGW037	AGW037-NAOH-20171128	11/28/2017	N	A7K1003	A7K1003-12RE1	X							
AGW047	AGW047-NAOH-20171129	11/29/2017	N	A7K1003	A7K1003-14RE2	X							
AGW048	AGW048-NAOH-20171128	11/28/2017	N	A7K1003	A7K1003-08RE1	X							
AGW049	AGW049-20171128	11/28/2017	N	580-73192-1	580-73192-3							X	
AGW049	AGW049-NAOH-20171128	11/28/2017	N	A7K1003	A7K1003-04RE1	X							
AGW049	AGW902-20171128	11/28/2017	FD	580-73192-1	580-73192-4							X	
AGW049	AGW902-NAOH-20171128	11/28/2017	FD	A7K1003	A7K1003-06RE1	X							
AGW050	AGW050-20171128	11/28/2017	N	580-73192-1	580-73192-2							X	
AGW050	AGW050-NAOH-20171128	11/28/2017	N	A7K1003	A7K1003-02	X							
AGW053R	AGW053R-20171129	11/29/2017	PDN	580-73219-1	580-73219-5								X
AGW055R	AGW055R-20171201	12/1/2017	PDN	580-73292-1	580-73292-12								X
AGW055R	AGW903-20171201	12/1/2017	PDFD	580-73292-1	580-73292-14								X
AGW057R	AGW057R-20171129	11/29/2017	PDN	580-73219-1	580-73219-3								X
AGW060R	AGW060R-20171129	11/29/2017	PDN	580-73219-1	580-73219-4								X
AGW064	AGW064-20171206	12/6/2017	PDN	580-73414-1	580-73414-18								X
AGW066	AGW066-20171130	11/30/2017	PDN	580-73258-1	580-73258-2								X
AGW067	AGW067-20171130	11/30/2017	PDN	580-73258-1	580-73258-7								X
AGW069	AGW069-20171127	11/27/2017	PDN	580-73154-1	580-73154-10								X
AGW072	AGW072-20171201	12/1/2017	PDN	580-73292-1	580-73292-15								X
AGW073	AGW073-20171130	11/30/2017	PDN	580-73258-1	580-73258-3								X
AGW074	AGW074-20171201	12/1/2017	PDN	580-73292-1	580-73292-4								X
AGW079	AGW079-20171207	12/7/2017	PDN	580-73468-1	580-73468-2								X

Table 1-1
4Q2017 Groundwater Sampling Matrix
Boeing Auburn Facility

Sample Location	Field Sample ID	Sample Date	Sample Type	Laboratory SDG	Laboratory Sample ID	Total Cyanide ASTM D7511	Sulfate by EPA 300.0	TPH-D by NWTPH-Dx	TPH-G by NWTPH-Gx	MEE by RSK-175	TOC by SM 5310C	Metals by SW-846 6020A	VOCs by SW-846 8260C
AGW085	AGW085-20171206	12/6/2017	PDN	580-73414-1	580-73414-4								X
AGW087	AGW087-20171201	12/1/2017	PDN	580-73292-1	580-73292-5								X
AGW088	AGW088-20171201	12/1/2017	PDN	580-73292-1	580-73292-6								X
AGW088	AGW904-20171201	12/1/2017	PDFD	580-73292-1	580-73292-7								X
AGW089	AGW089-20171201	12/1/2017	PDN	580-73292-1	580-73292-8								X
AGW090	AGW090-20171201	12/1/2017	PDN	580-73292-1	580-73292-9								X
AGW091	AGW091-20171201	12/1/2017	PDN	580-73292-1	580-73292-17								X
AGW095R	AGW095R-20171130	11/30/2017	PDN	580-73258-1	580-73258-8								X
AGW098R	AGW098R-20171130	11/30/2017	PDN	580-73258-1	580-73258-9								X
AGW106R	AGW106R-20171129	11/29/2017	N	580-73219-1	580-73219-7		X			X	X		X
AGW110R	AGW110R-20171129	11/29/2017	N	580-73219-1	580-73219-9		X			X	X		X
AGW112R	AGW112R-20171129	11/29/2017	PDN	580-73219-1	580-73219-8								X
AGW115	AGW115-20171205	12/5/2017	PDN	580-73411-1	580-73411-5								X
AGW116	AGW116-20171205	12/5/2017	PDN	580-73411-1	580-73411-7								X
AGW117	AGW117-20171206	12/6/2017	PDN	580-73414-1	580-73414-3								X
AGW118	AGW118-20171206	12/6/2017	PDN	580-73414-1	580-73414-5								X
AGW119	AGW119-20171201	12/1/2017	PDN	580-73292-1	580-73292-10								X
AGW120	AGW120-20171201	12/1/2017	PDN	580-73292-1	580-73292-11								X
AGW125	AGW125-20171130	11/30/2017	PDN	580-73258-1	580-73258-4								X
AGW125	AGW905-20171130	11/30/2017	PDFD	580-73258-1	580-73258-6								X
AGW126	AGW126-20171130	11/30/2017	PDN	580-73258-1	580-73258-5								X
AGW128	AGW128-20171205	12/5/2017	N	580-73411-1	580-73411-3			X					X
AGW129	AGW129-20171205	12/5/2017	PDN	580-73411-1	580-73411-6								X
AGW130	AGW130-20171205	12/5/2017	N	580-73411-1	580-73411-4			X					X
AGW131	AGW131-20171206	12/6/2017	PDN	580-73414-1	580-73414-9								X
AGW134	AGW134-20171206	12/6/2017	PDN	580-73414-1	580-73414-2								X
AGW135	AGW135-20171204	12/4/2017	PDN	580-73322-1	580-73322-13								X
AGW136	AGW136-20171127	11/27/2017	PDN	580-73154-1	580-73154-15								X
AGW137	AGW137-20171127	11/27/2017	PDN	580-73154-1	580-73154-14								X
AGW138	AGW138-20171127	11/27/2017	PDN	580-73154-1	580-73154-13								X
AGW139	AGW139-20171127	11/27/2017	PDN	580-73154-1	580-73154-12								X
AGW140	AGW140-20171206	12/6/2017	PDN	580-73414-1	580-73414-17								X
AGW141	AGW141-20171127	11/27/2017	PDN	580-73154-1	580-73154-6								X
AGW142	AGW142-20171127	11/27/2017	PDN	580-73154-1	580-73154-7								X
AGW143	AGW143-20171204	12/4/2017	PDN	580-73322-1	580-73322-11								X
AGW144	AGW144-20171204	12/4/2017	PDN	580-73322-1	580-73322-15								X

Table 1-1
4Q2017 Groundwater Sampling Matrix
Boeing Auburn Facility

Sample Location	Field Sample ID	Sample Date	Sample Type	Laboratory SDG	Laboratory Sample ID	Total Cyanide ASTM D7511	Sulfate by EPA 300.0	TPH-D by NWTPH-Dx	TPH-G by NWTPH-Gx	MEE by RSK-175	TOC by SM 5310C	Metals by SW-846 6020A	VOCs by SW-846 8260C
AGW145	AGW145-20171204	12/4/2017	PDN	580-73322-1	580-73322-10								X
AGW146	AGW146-20171204	12/4/2017	PDN	580-73322-1	580-73322-12								X
AGW147	AGW147-20171205	12/5/2017	PDN	580-73370-1	580-73370-6								X
AGW148	AGW148-20171205	12/5/2017	PDN	580-73370-1	580-73370-7								X
AGW149	AGW149-20171205	12/5/2017	PDN	580-73370-1	580-73370-8								X
AGW150	AGW150-20171127	11/27/2017	PDN	580-73154-1	580-73154-9								X
AGW151	AGW151-20171127	11/27/2017	PDN	580-73154-1	580-73154-8								X
AGW152	AGW152-20171207	12/7/2017	PDN	580-73468-1	580-73468-6								X
AGW154	AGW154-20171205	12/5/2017	PDN	580-73411-1	580-73411-9								X
AGW155	AGW155-20171207	12/7/2017	PDN	580-73468-1	580-73468-4								X
AGW156	AGW156-20171206	12/6/2017	PDN	580-73414-1	580-73414-11								X
AGW157	AGW157-20171205	12/5/2017	PDN	580-73370-1	580-73370-5								X
AGW158	AGW158-20171204	12/4/2017	PDN	580-73325-1	580-73325-2								X
AGW159	AGW159-20171204	12/4/2017	PDN	580-73325-1	580-73325-3								X
AGW160	AGW160-20171205	12/5/2017	PDN	580-73410-1	580-73410-5								X
AGW161	AGW161-20171207	12/7/2017	PDN	580-73468-1	580-73468-8								X
AGW162	AGW162-20171127	11/27/2017	PDN	580-73154-1	580-73154-11								X
AGW163	AGW163-20171206	12/6/2017	PDN	580-73414-1	580-73414-6								X
AGW163	AGW906-20171206	12/6/2017	PDFD	580-73414-1	580-73414-7								X
AGW164	AGW164-20171204	12/4/2017	PDN	580-73322-1	580-73322-9								X
AGW165	AGW165-20171204	12/4/2017	PDN	580-73322-1	580-73322-8								X
AGW166	AGW166-20171204	12/4/2017	PDN	580-73325-1	580-73325-4								X
AGW167	AGW167-20171204	12/4/2017	PDN	580-73325-1	580-73325-5								X
AGW168	AGW168-20171204	12/4/2017	PDN	580-73325-1	580-73325-7								X
AGW169	AGW169-20171204	12/4/2017	PDN	580-73325-1	580-73325-8								X
AGW170	AGW170-20171204	12/4/2017	PDN	580-73325-1	580-73325-10								X
AGW171	AGW171-20171204	12/4/2017	PDN	580-73325-1	580-73325-11								X
AGW172	AGW172-20171130	11/30/2017	PDN	580-73258-1	580-73258-21								X
AGW173	AGW173-20171130	11/30/2017	PDN	580-73258-1	580-73258-20								X
AGW174	AGW174-20171207	12/7/2017	PDN	580-73467-1	580-73467-7								X
AGW175	AGW175-20171207	12/7/2017	N	580-73467-1	580-73467-4								X
AGW176	AGW176-20171130	11/30/2017	PDN	580-73258-1	580-73258-18								X
AGW177	AGW177-20171205	12/5/2017	PDN	580-73410-1	580-73410-1								X
AGW178	AGW178-20171205	12/5/2017	PDN	580-73410-1	580-73410-2								X
AGW179	AGW179-20171205	12/5/2017	PDN	580-73410-1	580-73410-3								X
AGW180	AGW180-20171205	12/5/2017	PDN	580-73410-1	580-73410-4								X

Table 1-1
4Q2017 Groundwater Sampling Matrix
Boeing Auburn Facility

Sample Location	Field Sample ID	Sample Date	Sample Type	Laboratory SDG	Laboratory Sample ID	Total Cyanide ASTM D7511	Sulfate by EPA 300.0	TPH-D by NWTPH-Dx	TPH-G by NWTPH-Gx	MEE by RSK-175	TOC by SM 5310C	Metals by SW-846 6020A	VOCs by SW-846 8260C
AGW181	AGW181-20171129	11/29/2017	PDN	580-73232-1	580-73232-4								X
AGW182	AGW182-20171205	12/5/2017	PDN	580-73410-1	580-73410-6								X
AGW183	AGW183-20171205	12/5/2017	PDN	580-73410-1	580-73410-7								X
AGW184	AGW184-20171206	12/6/2017	PDN	580-73414-1	580-73414-15								X
AGW185	AGW185-20171207	12/7/2017	PDN	580-73467-1	580-73467-9								X
AGW186	AGW186-20171206	12/6/2017	PDN	580-73414-1	580-73414-13								X
AGW187	AGW187-20171207	12/7/2017	PDN	580-73467-1	580-73467-8								X
AGW188	AGW188-20171129	11/29/2017	N	580-73232-1	580-73232-7								X
AGW189	AGW189-20171206	12/6/2017	PDN	580-73414-1	580-73414-16								X
AGW190	AGW190-20171205	12/5/2017	PDN	580-73410-1	580-73410-15								X
AGW191	AGW191-20171128	11/28/2017	PDN	580-73196-1	580-73196-6								X
AGW191	AGW907-20171128	11/28/2017	PDFD	580-73196-1	580-73196-7								X
AGW192	AGW192-20171128	11/28/2017	PDN	580-73196-1	580-73196-4								X
AGW193	AGW193-20171204	12/4/2017	PDN	580-73325-1	580-73325-6								X
AGW194	AGW194-20171204	12/4/2017	PDN	580-73325-1	580-73325-1								X
AGW195	AGW195-20171130	11/30/2017	PDN	580-73258-1	580-73258-13								X
AGW196	AGW196-20171130	11/30/2017	PDN	580-73258-1	580-73258-14								X
AGW197	AGW197-20171130	11/30/2017	PDN	580-73258-1	580-73258-15								X
AGW198	AGW198-20171130	11/30/2017	PDN	580-73258-1	580-73258-16								X
AGW199	AGW199-20171130	11/30/2017	PDN	580-73258-1	580-73258-19								X
AGW200-2	AGW200-2-30-20171201	12/1/2017	N	580-73290-1	580-73290-1								X
AGW200-5	AGW200-5-60-20171201	12/1/2017	N	580-73290-1	580-73290-2								X
AGW200-6	AGW200-6-80-20171201	12/1/2017	N	580-73290-1	580-73290-3								X
AGW201-2	AGW201-2-30-20171201	12/1/2017	N	580-73290-1	580-73290-4								X
AGW201-5	AGW201-5-60-20171201	12/1/2017	N	580-73290-1	580-73290-5								X
AGW201-6	AGW201-6-80-20171201	12/1/2017	N	580-73290-1	580-73290-6								X
AGW202-2	AGW202-2-30-20171201	12/1/2017	N	580-73290-1	580-73290-7								X
AGW202-4	AGW202-4-51-20171201	12/1/2017	N	580-73290-1	580-73290-8								X
AGW202-6	AGW202-6-81-20171201	12/1/2017	N	580-73290-1	580-73290-9								X
AGW203-2	AGW203-2-30-20171201	12/1/2017	N	580-73290-1	580-73290-10								X
AGW203-4	AGW203-4-49-20171201	12/1/2017	N	580-73290-1	580-73290-11								X
AGW203-6	AGW203-6-80-20171201	12/1/2017	N	580-73290-1	580-73290-12								X
AGW206	AGW206-20171206	12/6/2017	PDN	580-73414-1	580-73414-8								X
AGW207-2	AGW207-2-30-20171129	11/29/2017	N	580-73217-1	580-73217-9								X
AGW207-4	AGW207-4-49-20171129	11/29/2017	N	580-73217-1	580-73217-10								X
AGW207-7	AGW207-7-80-20171129	11/29/2017	N	580-73217-1	580-73217-11								X

Table 1-1
4Q2017 Groundwater Sampling Matrix
Boeing Auburn Facility

Sample Location	Field Sample ID	Sample Date	Sample Type	Laboratory SDG	Laboratory Sample ID	Total Cyanide ASTM D7511	Sulfate by EPA 300.0	TPH-D by NWTPH-Dx	TPH-G by NWTPH-Gx	MEE by RSK-175	TOC by SM 5310C	Metals by SW-846 6020A	VOCs by SW-846 8260C
AGW208-2	AGW208-2-29-20171127	11/27/2017	N	580-73155-1	580-73155-8								X
AGW208-4	AGW208-4-49-20171127	11/27/2017	N	580-73155-1	580-73155-9								X
AGW208-6	AGW208-6-80-20171127	11/27/2017	N	580-73155-1	580-73155-10								X
AGW209-2	AGW209-2-30-20171127	11/27/2017	N	580-73155-1	580-73155-5								X
AGW209-5	AGW209-5-60-20171127	11/27/2017	N	580-73155-1	580-73155-6								X
AGW209-6	AGW209-6-80-20171127	11/27/2017	N	580-73155-1	580-73155-7								X
AGW210-5	AGW210-5-60-20171127	11/27/2017	N	580-73155-1	580-73155-3								X
AGW210-6	AGW210-6-80-20171127	11/27/2017	N	580-73155-1	580-73155-4								X
AGW211-5	AGW211-5-60-20171127	11/27/2017	N	580-73155-1	580-73155-1								X
AGW211-6	AGW211-6-80-20171127	11/27/2017	N	580-73155-1	580-73155-2								X
AGW212-5	AGW212-5-60-20171207	12/7/2017	N	580-73467-1	580-73467-1								X
AGW212-7	AGW212-7-100-20171207	12/7/2017	N	580-73467-1	580-73467-2								X
AGW213	AGW213-20171129	11/29/2017	PDN	580-73232-1	580-73232-5								X
AGW214	AGW214-20171206	12/6/2017	N	580-73424-1	580-73424-12								X
AGW214	AGW908-20171206	12/6/2017	FD	580-73424-1	580-73424-13								X
AGW215	AGW215-20171206	12/6/2017	N	580-73424-1	580-73424-1								X
AGW216	AGW216-20171207	12/7/2017	N	580-73467-1	580-73467-3								X
AGW217	AGW217-20171206	12/6/2017	N	580-73424-1	580-73424-14								X
AGW218	AGW218-20171206	12/6/2017	N	580-73424-1	580-73424-10								X
AGW218	AGW909-20171206	12/6/2017	FD	580-73424-1	580-73424-11								X
AGW219	AGW219-20171205	12/5/2017	PDN	580-73410-1	580-73410-14								X
AGW220	AGW220-20171206	12/6/2017	N	580-73424-1	580-73424-8								X
AGW221	AGW221-20171206	12/6/2017	N	580-73424-1	580-73424-9								X
AGW222	AGW222-20171205	12/5/2017	PDN	580-73411-1	580-73411-8								X
AGW225	AGW225-20171128	11/28/2017	N	580-73196-1	580-73196-5		X			X	X		X
AGW226	AGW226-20171129	11/29/2017	N	580-73232-1	580-73232-9		X			X	X		X
AGW227	AGW227-20171206	12/6/2017	PDN	580-73445-1	580-73445-5								X
AGW228	AGW228-20171206	12/6/2017	N	580-73445-1	580-73445-4								X
AGW229	AGW229-20171204	12/4/2017	PDN	580-73325-1	580-73325-9								X
AGW230	AGW230-20171206	12/6/2017	PDN	580-73414-1	580-73414-14								X
AGW231	AGW231-20171130	11/30/2017	PDN	580-73258-1	580-73258-17								X
AGW232	AGW232-20171130	11/30/2017	PDN	580-73258-1	580-73258-12								X
AGW233	AGW233-20171207	12/7/2017	PDN	580-73467-1	580-73467-6								X
AGW234	AGW234-20171130	11/30/2017	PDN	580-73258-1	580-73258-11								X
AGW235-2	AGW235-2-19-20171129	11/29/2017	N	580-73217-1	580-73217-5								X
AGW235-4	AGW235-4-39-20171129	11/29/2017	N	580-73217-1	580-73217-6								X

Table 1-1
4Q2017 Groundwater Sampling Matrix
Boeing Auburn Facility

Sample Location	Field Sample ID	Sample Date	Sample Type	Laboratory SDG	Laboratory Sample ID	Total Cyanide ASTM D7511	Sulfate by EPA 300.0	TPH-D by NWTPH-Dx	TPH-G by NWTPH-Gx	MEE by RSK-175	TOC by SM 5310C	Metals by SW-846 6020A	VOCs by SW-846 8260C
AGW235-7	AGW235-7-71-20171129	11/29/2017	N	580-73217-1	580-73217-7								X
AGW236	AGW236-20171129	11/29/2017	N	580-73217-1	580-73217-8								X
AGW237	AGW237-20171205	12/5/2017	PDN	580-73410-1	580-73410-11								X
AGW238	AGW238-20171205	12/5/2017	PDN	580-73410-1	580-73410-12								X
AGW239	AGW239-20171205	12/5/2017	N	580-73410-1	580-73410-13								X
AGW240-1	AGW240-1-7-20171127	11/27/2017	N	580-73153-1	580-73153-7		X			X	X		X
AGW240-5	AGW240-5-28-20171127	11/27/2017	N	580-73153-1	580-73153-6		X			X	X		X
AGW241-1	AGW241-1-6-20171127	11/27/2017	N	580-73153-1	580-73153-5								X
AGW241-5	AGW241-5-27-20171127	11/27/2017	N	580-73153-1	580-73153-4								X
AGW242-1	AGW242-1-6-20171127	11/27/2017	N	580-73153-1	580-73153-1								X
AGW242-2	AGW242-2-16-20171127	11/27/2017	N	580-73154-1	580-73154-3								X
AGW242-5	AGW242-5-60-20171127	11/27/2017	N	580-73153-1	580-73153-2								X
AGW243-1	AGW243-1-6-20171206	12/6/2017	N	580-73445-1	580-73445-1								X
AGW243-3	AGW243-3-25-20171206	12/6/2017	N	580-73445-1	580-73445-2								X
AGW243-5	AGW243-5-50-20171206	12/6/2017	N	580-73445-1	580-73445-3								X
AGW244	AGW244-20171127	11/27/2017	N	580-73154-1	580-73154-4		X			X	X		X
AGW245	AGW245-20171201	12/1/2017	PDN	580-73294-1	580-73294-5								X
AGW246	AGW246-20171201	12/1/2017	PDN	580-73294-1	580-73294-6								X
AGW247-1	AGW247-1-6-20171128	11/28/2017	N	580-73196-1	580-73196-9		X			X	X		X
AGW247-1	AGW910-20171128	11/28/2017	FD	580-73196-1	580-73196-10		X			X	X		X
AGW247-5	AGW247-5-27-20171129	11/29/2017	N	580-73232-1	580-73232-8		X			X	X		X
AGW248-1	AGW248-1-5-20171206	12/6/2017	N	580-73445-1	580-73445-6								X
AGW248-5	AGW248-5-26-20171206	12/6/2017	N	580-73445-1	580-73445-7								X
AGW249-1	AGW249-1-8-20171206	12/6/2017	N	580-73445-1	580-73445-8								X
AGW249-5	AGW249-5-29-20171206	12/6/2017	N	580-73445-1	580-73445-9								X
AGW250-1	AGW250-1-9-20171205	12/5/2017	N	580-73370-1	580-73370-1								X
AGW250-2	AGW250-2-26-20171205	12/5/2017	N	580-73370-1	580-73370-2								X
AGW250-3	AGW250-3-41-20171205	12/5/2017	N	580-73370-1	580-73370-3								X
AGW250-6	AGW250-6-81-20171205	12/5/2017	N	580-73370-1	580-73370-4								X
AGW251-1	AGW251-1-8-20171201	12/1/2017	N	580-73294-1	580-73294-7		X			X	X		X
AGW251-2	AGW251-2-25-20171201	12/1/2017	N	580-73294-1	580-73294-8		X			X	X		X
AGW251-3	AGW251-3-40-20171205	12/5/2017	N	580-73370-1	580-73370-10		X			X	X		X
AGW251-6	AGW251-6-76-20171205	12/5/2017	N	580-73370-1	580-73370-11								X
AGW252	AGW252-20171206	12/6/2017	PDN	580-73424-1	580-73424-2								X
AGW254-1	AGW254-1-6-20171206	12/6/2017	N	580-73424-1	580-73424-4								X
AGW254-2	AGW254-2-20-20171206	12/6/2017	N	580-73424-1	580-73424-5								X

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4Q2017 Groundwater Sampling Matrix
Boeing Auburn Facility

Sample Location	Field Sample ID	Sample Date	Sample Type	Laboratory SDG	Laboratory Sample ID	Total Cyanide ASTM D7511	Sulfate by EPA 300.0	TPH-D by NWTPH-Dx	TPH-G by NWTPH-Gx	MEE by RSK-175	TOC by SM 5310C	Metals by SW-846 6020A	VOCs by SW-846 8260C
AGW254-5	AGW254-5-50-20171206	12/6/2017	N	580-73424-1	580-73424-6								X
AGW255-1	AGW255-1-13-20171205	12/5/2017	N	580-73410-1	580-73410-8								X
AGW255-3	AGW255-3-30-20171205	12/5/2017	N	580-73410-1	580-73410-9								X
AGW255-5	AGW255-5-55-20171205	12/5/2017	N	580-73410-1	580-73410-10								X
AGW256	AGW256-20171129	11/29/2017	PDN	580-73232-1	580-73232-2								X
AGW257	AGW257-20171129	11/29/2017	PDN	580-73232-1	580-73232-3								X
AGW258	AGW258-20171129	11/29/2017	PDN	580-73232-1	580-73232-1								X
AGW259	AGW259-20171206	12/6/2017	PDN	580-73424-1	580-73424-7								X
AGW260	AGW260-20171127	11/27/2017	PDN	580-73154-1	580-73154-2								X
AGW261	AGW261-20171201	12/1/2017	PDN	580-73294-1	580-73294-9								X
AGW262	AGW262-20171201	12/1/2017	PDN	580-73294-1	580-73294-4								X
AGW263	AGW263-20171128	11/28/2017	PDN	580-73196-1	580-73196-3								X
AGW264	AGW264-20171128	11/28/2017	PDN	580-73196-1	580-73196-1								X
AGW265	AGW265-20171128	11/28/2017	PDN	580-73196-1	580-73196-2								X
AGW266	AGW266-20171129	11/29/2017	PDN	580-73232-1	580-73232-6								X
AGW267	AGW267-20171127	11/27/2017	PDN	580-73153-1	580-73153-3								X
AGW268	AGW268-20171127	11/27/2017	PDN	580-73154-1	580-73154-5								X
AGW269	AGW269-20171129	11/29/2017	N	580-73217-1	580-73217-2		X			X	X		X
AGW269	AGW911-20171129	11/29/2017	FD	580-73217-1	580-73217-3		X			X	X		X
AGW270	AGW270-20171128	11/28/2017	N	580-73195-1	580-73195-1		X			X	X		X
AGW271	AGW271-20171128	11/28/2017	N	580-73195-1	580-73195-2		X			X	X		X
AGW272	AGW272-20171128	11/28/2017	N	580-73195-1	580-73195-5		X			X	X		X
AGW273	AGW273-20171128	11/28/2017	N	580-73195-1	580-73195-6		X			X	X		X
AGW274	AGW274-20171128	11/28/2017	N	580-73195-1	580-73195-7		X			X	X		X
AGW275	AGW275-20171129	11/29/2017	N	580-73217-1	580-73217-4		X			X	X		X
AGW276-2	AGW276-2-25-20171201	12/1/2017	N	580-73294-1	580-73294-1								X
AGW276-5	AGW276-5-60-20171201	12/1/2017	N	580-73294-1	580-73294-2								X
AGW276-6	AGW276-6-80-20171201	12/1/2017	N	580-73294-1	580-73294-3								X
AGW277	AGW277-20171205	12/5/2017	N	580-73411-1	580-73411-2			X					X
AGW278-1	AGW278-1-17-20171128	11/28/2017	N	580-73192-1	580-73192-5								X
AGW278-1	AGW278-1-17-NAOH-20171128	11/28/2017	N	A7K1003	A7K1003-10RE1	X							
AGW278-2	AGW278-2-25-20171204	12/4/2017	N	580-73322-1	580-73322-2								X
AGW278-3	AGW278-3-36-20171204	12/4/2017	N	580-73322-1	580-73322-4								X
AGW278-3	AGW912-20171204	12/4/2017	FD	580-73322-1	580-73322-5								X
AGW278-4	AGW278-4-45-20171204	12/4/2017	N	580-73322-1	580-73322-6								X
AGW278-5	AGW278-5-60-20171204	12/4/2017	N	580-73322-1	580-73322-7								X

Table 1-1
4Q2017 Groundwater Sampling Matrix
Boeing Auburn Facility

Sample Location	Field Sample ID	Sample Date	Sample Type	Laboratory SDG	Laboratory Sample ID	Total Cyanide ASTM D7511	Sulfate by EPA 300.0	TPH-D by NWTPH-Dx	TPH-G by NWTPH-Gx	MEE by RSK-175	TOC by SM 5310C	Metals by SW-846 6020A	VOCs by SW-846 8260C
AGW278-6	AGW278-6-80-20171205	12/5/2017	N	580-73411-1	580-73411-11								X
AGW278-7	AGW278-7-107-20171204	12/4/2017	N	580-73322-1	580-73322-3								X
APP-057	APP-057-20171206	12/6/2017	N	580-73424-1	580-73424-3								X
IW34	IW34-20171128	11/28/2017	N	580-73195-1	580-73195-4		X			X	X		X
IW36	IW36-20171129	11/29/2017	N	580-73217-1	580-73217-1		X			X	X		X
IW37	IW37-20171128	11/28/2017	N	580-73195-1	580-73195-3		X			X	X		X

Abbreviations/Acronyms:

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
TOC = total organic compound
NWTPH = Northwest Total Petroleum Hydrocarbon
VOC = volatile organic compound

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW001R	AGW002R	AGW006R	AGW006R	AGW010	AGW010	AGW024	AGW025	AGW026	AGW027	AGW031R	AGW032	AGW033	AGW037
Zone:	Shallow	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow-WT	Shallow-WT
Laboratory SDG:	580-73219-1	580-73219-1	580-73292-1	580-73292-1	580-73292-1	580-73292-1	580-73468-1	580-73468-1	580-73411-1	580-73414-1	580-73258-1	580-73414-1	580-73322-1	0-73192-1/A7K10
Sample Date:	11/29/2017	11/29/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/7/2017	12/7/2017	12/5/2017	12/6/2017	11/30/2017	12/6/2017	12/4/2017	11/28/2017
Sample Type:	PDN	N	PDN	PDFD	N	FD	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN/N
Volatile Organic Compounds (µg/L; SW-846 8260C)														
1,1,1-Trichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	**0.20**	**0.22**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichlorotrifluoroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloropropane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone/MEK	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 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 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
Acetone	**44**	5.0 U	**36**	**33**	100 U	5.0 U	**53**	**62**	18 U	**33**	**37**	**47**	**33**	**20**
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	**0.76 J**	**1.1 J**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Bromodichloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 U
Bromomethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Disulfide	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 UJ
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	0.20 U	0.20 U	**1.2**	**1.2**	0.20 U	0.20 U	**0.81**	**2.8**	**0.75**	**0.95**	**2.0**	0.20 U	**0.48**	**1.2**
cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibromochloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	**570**	**620**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	**490**	**590**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	**77**	**90**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	**0.20**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	**3.9 J**	**8.0 J**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.31**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	**1.6**	0.20 U	**0.28**	**0.30**	0.20 U	0.20 U	0.20 U	0.20 U	**0.59**	0.20 U	**0.78**	0.20 U	**0.52**	**2.1**
Trichlorofluoromethane (CFC 11)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Acetate	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	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	0.020 U	0.020 U	**0.088**	**0.083**	0.020 U	0.020 U	**1.5**	**1.5**	0.020 U	**0.49**	0.020 U	0.020 U	0.020 U	**0.21**

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW001R	AGW002R	AGW006R	AGW006R	AGW010	AGW010	AGW024	AGW025	AGW026	AGW027	AGW031R	AGW032	AGW033	AGW037
Zone:	Shallow	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow-WT	Shallow-WT
Laboratory SDG:	580-73219-1	580-73219-1	580-73292-1	580-73292-1	580-73292-1	580-73292-1	580-73468-1	580-73468-1	580-73411-1	580-73414-1	580-73258-1	580-73414-1	580-73322-1	580-73192-1/A7K10
Sample Date:	11/29/2017	11/29/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/7/2017	12/7/2017	12/5/2017	12/6/2017	11/30/2017	12/6/2017	12/4/2017	11/28/2017
Sample Type:	PDN	N	PDN	PDFD	N	FD	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN/N
(mg/L; ASTM D7511/EPA 300.0/SM 5310C)														
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--	0.00500 U
Sulfate	--	1.2 U	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	**3.0**	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	0.57 U	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	0.40 U	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	**8,200**	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)														
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	**0.33**	**0.33**	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	0.25 U	0.25 U	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	**8.7 J**	**11 J**	--	--	--	--	--	--	--	--

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW047	AGW048	AGW049	AGW049	AGW050	AGW053R	AGW055R	AGW055R	AGW057R	AGW060R	AGW064	AGW066	AGW067	AGW069
Zone:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow-WT	Intermediate	Intermediate	Intermediate	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT
Laboratory SDG:	A7K1003	A7K1003	0-73192-1/A7K100	0-73192-1/A7K100	0-73192-1/A7K10	580-73219-1	580-73292-1	580-73292-1	580-73219-1	580-73219-1	580-73414-1	580-73258-1	580-73258-1	580-73154-1
Sample Date:	11/29/2017	11/28/2017	11/28/2017	11/28/2017	11/28/2017	11/29/2017	12/1/2017	12/1/2017	11/29/2017	11/29/2017	12/6/2017	11/30/2017	11/30/2017	11/27/2017
Sample Type:	N	N	N	FD	N	PDN	PDN	PDFD	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)														
1,1,1-Trichloroethane	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	--	--	--	--	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	--	--	--	--	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichlorotrifluoroethane	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	--	--	--	--	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloroethane	--	--	--	--	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloropropane	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone/MEK	--	--	--	--	--	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
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
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
Acetone	--	--	--	--	--	**130**	19 U	19 U	8.0 U	**41**	**80**	**33**	**47**	**43**
Benzene	--	--	--	--	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Bromodichloromethane	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U
Bromomethane	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Disulfide	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	--	--	--	--	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chlorobenzene	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 UJ
Chloroform	--	--	--	--	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloromethane	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	--	--	--	--	--	**0.27**	**0.52**	**0.46**	0.20 U	**1.7**	0.20 U	**1.1**	**1.7**	0.20 U
cis-1,3-Dichloropropene	--	--	--	--	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibromochloromethane	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	--	--	--	--	--	**0.28**	0.20 U	0.20 U	**0.57**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	--	--	--	--	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	--	--	--	--	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,3-Dichloropropene	--	--	--	--	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	--	--	--	--	--	**0.86**	**0.33**	**0.30**	**1.0**	**0.69**	**0.21**	**3.4**	**3.1**	0.20 U
Trichlorofluoromethane (CFC 11)	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Acetate	--	--	--	--	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	--	--	--	--	--	0.020 U	**0.024**	**0.029**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW047	AGW048	AGW049	AGW049	AGW050	AGW053R	AGW055R	AGW055R	AGW057R	AGW060R	AGW064	AGW066	AGW067	AGW069
Zone:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow-WT	Intermediate	Intermediate	Intermediate	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT
Laboratory SDG:	A7K1003	A7K1003	0-73192-1/A7K100	0-73192-1/A7K100	0-73192-1/A7K10	580-73219-1	580-73292-1	580-73292-1	580-73219-1	580-73219-1	580-73414-1	580-73258-1	580-73258-1	580-73154-1
Sample Date:	11/29/2017	11/28/2017	11/28/2017	11/28/2017	11/28/2017	11/29/2017	12/1/2017	12/1/2017	11/29/2017	11/29/2017	12/6/2017	11/30/2017	11/30/2017	11/27/2017
Sample Type:	N	N	N	FD	N	PDN	PDN	PDFD	PDN	PDN	PDN	PDN	PDN	PDN
(mg/L; ASTM D7511/EPA 300.0/SM 5310C)														
Total Cyanide (a)	**0.0233**	**0.0740**	**0.00748**	**0.00674**	**0.296**	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)														
Cadmium	--	--	**0.0088**	**0.0099**	**0.012**	--	--	--	--	--	--	--	--	--
Copper	--	--	**0.76**	**0.79**	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	**0.060**	**0.061**	**0.012 J**	--	--	--	--	--	--	--	--	--
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
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW072	AGW073	AGW074	AGW079	AGW085	AGW087	AGW088	AGW088	AGW089	AGW090	AGW091	AGW095R	AGW098R	AGW106R
Zone:	Intermediate	Deep	Shallow-WT	Shallow-WT	Shallow-WT	Intermediate	Shallow	Shallow	Intermediate	Shallow	Intermediate	Intermediate	Deep	Shallow
Laboratory SDG:	580-73292-1	580-73258-1	580-73292-1	580-73468-1	580-73414-1	580-73292-1	580-73292-1	580-73292-1	580-73292-1	580-73292-1	580-73292-1	580-73258-1	580-73258-1	580-73219-1
Sample Date:	12/1/2017	11/30/2017	12/1/2017	12/7/2017	12/6/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	11/30/2017	11/30/2017	11/29/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDFD	PDN	PDN	PDN	PDN	PDN	N
Volatile Organic Compounds (µg/L; SW-846 8260C)														
1,1,1-Trichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichlorotrifluoroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloropropane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone/MEK	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 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
Acetone	**38**	**26**	11 U	**44**	9.9 U	17 U	**37**	**39**	**30**	**22**	20 U	**34**	21 U	5.0 U
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Bromodichloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Disulfide	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloromethane	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	**0.25**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibromochloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	**0.29**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.21**	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	**0.96**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.72**	**0.33**	0.20 U
Trichlorofluoromethane (CFC 11)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Acetate	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	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	0.020 U	0.020 U	0.020 U	**0.48**	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

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW072	AGW073	AGW074	AGW079	AGW085	AGW087	AGW088	AGW088	AGW089	AGW090	AGW091	AGW095R	AGW098R	AGW106R
Zone:	Intermediate	Deep	Shallow-WT	Shallow-WT	Shallow-WT	Intermediate	Shallow	Shallow	Intermediate	Shallow	Intermediate	Intermediate	Deep	Shallow
Laboratory SDG:	580-73292-1	580-73258-1	580-73292-1	580-73468-1	580-73414-1	580-73292-1	580-73292-1	580-73292-1	580-73292-1	580-73292-1	580-73292-1	580-73258-1	580-73258-1	580-73219-1
Sample Date:	12/1/2017	11/30/2017	12/1/2017	12/7/2017	12/6/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	11/30/2017	11/30/2017	11/29/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDFD	PDN	PDN	PDN	PDN	PDN	N
(mg/L; ASTM D7511/EPA 300.0/SM 5310C)														
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	**12**
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	1.0 U
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	0.57 U
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	0.40 U
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	**580**
Dissolved Metals (mg/L; SW-846 6020A)														
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
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW110R	AGW112R	AGW115	AGW116	AGW117	AGW118	AGW119	AGW120	AGW125	AGW125	AGW126	AGW128	AGW129	AGW130
Zone:	Shallow	Shallow	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Intermediate	Shallow	Shallow	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT
Laboratory SDG:	580-73219-1	580-73219-1	580-73411-1	580-73411-1	580-73414-1	580-73414-1	580-73292-1	580-73292-1	580-73258-1	580-73258-1	580-73258-1	580-73411-1	580-73411-1	580-73411-1
Sample Date:	11/29/2017	11/29/2017	12/5/2017	12/5/2017	12/6/2017	12/6/2017	12/1/2017	12/1/2017	11/30/2017	11/30/2017	11/30/2017	12/5/2017	12/5/2017	12/5/2017
Sample Type:	N	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDFD	PDN	N	PDN	N
Volatile Organic Compounds (µg/L; SW-846 8260C)														
1,1,1-Trichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichlorotrifluoroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloropropane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone/MEK	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	5.0 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
Acetone	5.0 U	**68**	17 U	**26**	14 U	5.0 U	**39**	13 U	8.4 U	8.5 U	**33**	5.0 U	6.3 U	5.0 U
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Bromodichloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Disulfide	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.32**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	0.20 U	**0.44**	**2.4**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**1.6**	**1.6**	**1.4**	0.20 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibromochloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	**0.23**	0.20 U	**0.49**	**0.55**	**0.58**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.46**	**0.33**
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.20 U	**1.3**	0.20 U	0.20 U	0.20 U	**0.22**	0.20 U	0.20 U	**6.6**	**6.7**	**1.3**	0.20 U	**0.31**	**0.24**
Trichlorofluoromethane (CFC 11)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Acetate	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	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	**0.15**	**0.084**	**0.26**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.025**	0.020 U	**0.25**	0.020 U	0.020 U	0.020 U

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW110R	AGW112R	AGW115	AGW116	AGW117	AGW118	AGW119	AGW120	AGW125	AGW125	AGW126	AGW128	AGW129	AGW130
Zone:	Shallow	Shallow	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Intermediate	Shallow	Shallow	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT
Laboratory SDG:	580-73219-1	580-73219-1	580-73411-1	580-73411-1	580-73414-1	580-73414-1	580-73292-1	580-73292-1	580-73258-1	580-73258-1	580-73258-1	580-73411-1	580-73411-1	580-73411-1
Sample Date:	11/29/2017	11/29/2017	12/5/2017	12/5/2017	12/6/2017	12/6/2017	12/1/2017	12/1/2017	11/30/2017	11/30/2017	11/30/2017	12/5/2017	12/5/2017	12/5/2017
Sample Type:	N	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDFD	PDN	N	PDN	N
(mg/L; ASTM D7511/EPA 300.0/SM 5310C)														
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	1.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	**2.9**	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	0.57 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	0.40 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	**5,200**	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)														
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)														
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--	--	**1.8**	--	0.10 U
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--	--	**5.8**	--	**0.29**
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW131	AGW134	AGW135	AGW136	AGW137	AGW138	AGW139	AGW140	AGW141	AGW142	AGW143	AGW144	AGW145	AGW146
Zone:	Shallow	Shallow	Shallow	Shallow	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Deep	Deep	Intermediate	Intermediate	Deep
Laboratory SDG:	580-73414-1	580-73414-1	580-73322-1	580-73154-1	580-73154-1	580-73154-1	580-73154-1	580-73414-1	580-73154-1	580-73154-1	580-73322-1	580-73322-1	580-73322-1	580-73322-1
Sample Date:	12/6/2017	12/6/2017	12/4/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	12/6/2017	11/27/2017	11/27/2017	12/4/2017	12/4/2017	12/4/2017	12/4/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)														
1,1,1-Trichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichlorotrifluoroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloropropane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone/MEK	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	5.0 U	5.0 U	5.0 U	5.0 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
Acetone	**34**	**30**	**41**	11 U	**24**	14 U	**29**	**30**	**37**	**62**	**31**	**35**	**34**	**24**
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Bromodichloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Disulfide	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	**2.0**	0.20 U	**0.33**	**0.81**	**0.96**	0.20 U	0.20 U	**1.5**	**0.26**	0.20 U	0.20 U	**1.9**	**7.1**	**1.5**
cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibromochloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.34**	**0.97**	0.20 U
trans-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.20 U	0.20 U	**1.1**	**1.8**	**2.3**	**0.47**	**2.5**	**3.3**	**1.6**	0.20 U	0.20 U	**0.44**	**10**	**3.5**
Trichlorofluoromethane (CFC 11)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Acetate	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	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	**4.8**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.20**	0.020 U	0.020 U	0.020 U	**0.38**	**0.68**	**0.098**

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW131	AGW134	AGW135	AGW136	AGW137	AGW138	AGW139	AGW140	AGW141	AGW142	AGW143	AGW144	AGW145	AGW146
Zone:	Shallow	Shallow	Shallow	Shallow	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Deep	Deep	Intermediate	Intermediate	Deep
Laboratory SDG:	580-73414-1	580-73414-1	580-73322-1	580-73154-1	580-73154-1	580-73154-1	580-73154-1	580-73414-1	580-73154-1	580-73154-1	580-73322-1	580-73322-1	580-73322-1	580-73322-1
Sample Date:	12/6/2017	12/6/2017	12/4/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	12/6/2017	11/27/2017	11/27/2017	12/4/2017	12/4/2017	12/4/2017	12/4/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
(mg/L; ASTM D7511/EPA 300.0/SM 5310C)														
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)														
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
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW147	AGW148	AGW149	AGW150	AGW151	AGW152	AGW154	AGW155	AGW156	AGW157	AGW158	AGW159	AGW160	AGW161
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Shallow	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Intermediate	Intermediate
Laboratory SDG:	580-73370-1	580-73370-1	580-73370-1	580-73154-1	580-73154-1	580-73468-1	580-73411-1	580-73468-1	580-73414-1	580-73370-1	580-73325-1	580-73325-1	580-73410-1	580-73468-1
Sample Date:	12/5/2017	12/5/2017	12/5/2017	11/27/2017	11/27/2017	12/7/2017	12/5/2017	12/7/2017	12/6/2017	12/5/2017	12/4/2017	12/4/2017	12/5/2017	12/7/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)														
1,1,1-Trichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichlorotrifluoroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloropropane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone/MEK	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ
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
Acetone	**24**	**27**	19 U	**59**	**24**	**60**	**59**	21 U	**12**	**24**	16 U	**47**	**23**	9.6 U
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Bromodichloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ
Carbon Disulfide	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ
cis-1,2-Dichloroethene	**1.4**	**1.4**	**0.33**	0.20 U	0.20 U	0.20 U	**0.34**	**3.3**	**6.9**	**1.5**	**0.45**	**0.70**	**0.21**	0.20 U
cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibromochloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.29**	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.38**	**0.46**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.20 U	**3.1**	**3.1**	**0.99**	**0.40**	0.20 U	**0.27**	0.20 U	**0.24**	**1.6**	**2.0**	**3.6**	**2.5**	**1.2**
Trichlorofluoromethane (CFC 11)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Acetate	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	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**2.6**	0.020 U	**3.5**	**1.6**	**0.37**	0.020 U	**0.072**	0.020 U	0.020 UJ

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW147	AGW148	AGW149	AGW150	AGW151	AGW152	AGW154	AGW155	AGW156	AGW157	AGW158	AGW159	AGW160	AGW161
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Shallow	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Intermediate	Intermediate
Laboratory SDG:	580-73370-1	580-73370-1	580-73370-1	580-73154-1	580-73154-1	580-73468-1	580-73411-1	580-73468-1	580-73414-1	580-73370-1	580-73325-1	580-73325-1	580-73410-1	580-73468-1
Sample Date:	12/5/2017	12/5/2017	12/5/2017	11/27/2017	11/27/2017	12/7/2017	12/5/2017	12/7/2017	12/6/2017	12/5/2017	12/4/2017	12/4/2017	12/5/2017	12/7/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
(mg/L; ASTM D7511/EPA 300.0/SM 5310C)														
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)														
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
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW162	AGW163	AGW163	AGW164	AGW165	AGW166	AGW167	AGW168	AGW169	AGW170	AGW171	AGW172	AGW173	AGW174
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Shallow	Intermediate	Deep	Intermediate	Deep	Intermediate	Deep	Intermediate	Intermediate	Intermediate
Laboratory SDG:	580-73154-1	580-73414-1	580-73414-1	580-73322-1	580-73322-1	580-73325-1	580-73325-1	580-73325-1	580-73325-1	580-73325-1	580-73325-1	580-73258-1	580-73258-1	580-73467-1
Sample Date:	11/27/2017	12/6/2017	12/6/2017	12/4/2017	12/4/2017	12/4/2017	12/4/2017	12/4/2017	12/4/2017	12/4/2017	12/4/2017	11/30/2017	11/30/2017	12/7/2017
Sample Type:	PDN	PDN	PDFD	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)														
1,1,1-Trichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichlorotrifluoroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloropropane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone/MEK	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 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 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
Acetone	**34**	**34**	**35**	**30**	**23**	**36**	19 U	**23**	**30**	**40**	**33**	14 U	14 U	20 U
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Bromodichloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Disulfide	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 UJ
Chlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	0.20 U	**1.1**	**1.1**	**0.34**	**1.3**	**0.46**	**2.1**	**1.5**	**1.3**	**0.33**	0.20 U	**0.22**	0.20 U	0.20 U
cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibromochloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.24**	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.24**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	**0.51**	**3.7**	**3.7**	**1.4**	**2.1**	0.20 U	**4.9**	**4.4**	**5.2**	**2.0**	**1.5**	**3.8**	**1.4**	**1.3**
Trichlorofluoromethane (CFC 11)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Acetate	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	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	0.020 U	**0.027**	0.020 U	**0.053**	**0.18**	**0.20**	**0.14**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW162	AGW163	AGW163	AGW164	AGW165	AGW166	AGW167	AGW168	AGW169	AGW170	AGW171	AGW172	AGW173	AGW174
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Shallow	Intermediate	Deep	Intermediate	Deep	Intermediate	Deep	Intermediate	Intermediate	Intermediate
Laboratory SDG:	580-73154-1	580-73414-1	580-73414-1	580-73322-1	580-73322-1	580-73325-1	580-73325-1	580-73325-1	580-73325-1	580-73325-1	580-73325-1	580-73258-1	580-73258-1	580-73467-1
Sample Date:	11/27/2017	12/6/2017	12/6/2017	12/4/2017	12/4/2017	12/4/2017	12/4/2017	12/4/2017	12/4/2017	12/4/2017	12/4/2017	11/30/2017	11/30/2017	12/7/2017
Sample Type:	PDN	PDN	PDFD	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
(mg/L; ASTM D7511/EPA 300.0/SM 5310C)														
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)														
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
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW175	AGW176	AGW177	AGW178	AGW179	AGW180	AGW181	AGW182	AGW183	AGW184	AGW185	AGW186	AGW187	AGW188
Zone:	Intermediate	Intermediate	Intermediate	Deep	Intermediate	Deep	Intermediate	Intermediate	Deep	Intermediate	Deep	Intermediate	Intermediate	Intermediate
Laboratory SDG:	580-73467-1	580-73258-1	580-73410-1	580-73410-1	580-73410-1	580-73410-1	580-73232-1	580-73410-1	580-73410-1	580-73414-1	580-73467-1	580-73414-1	580-73467-1	580-73232-1
Sample Date:	12/7/2017	11/30/2017	12/5/2017	12/5/2017	12/5/2017	12/5/2017	11/29/2017	12/5/2017	12/5/2017	12/6/2017	12/7/2017	12/6/2017	12/7/2017	11/29/2017
Sample Type:	N	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	N
Volatile Organic Compounds (µg/L; SW-846 8260C)														
1,1,1-Trichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichlorotrifluoroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloropropane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone/MEK	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	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 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
Acetone	5.0 U	**24**	**26**	**40**	**28**	**26**	**30**	**20**	**15**	**30**	**25**	**80**	**34**	5.0 U
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Bromodichloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 U
Bromomethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Disulfide	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	0.20 UJ	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 UJ	0.20 U	0.20 UJ	0.20 U
Chlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	**0.26**	**0.25**	**0.69**	**0.36**	**5.9**	**0.58**	**1.6**	**2.1**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.44**
cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibromochloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	**0.20**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.24**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	**1.8**	**3.1**	**3.6**	**3.6**	0.20 U	**2.9**	**3.8**	**1.4**	0.20 U	**0.31**	**2.0**	**0.39**	**1.6**	**3.9**
Trichlorofluoromethane (CFC 11)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Acetate	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	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	0.020 U	0.020 U	0.020 U	0.020 U	**0.068**	0.020 U	0.020 U	**0.17**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW175	AGW176	AGW177	AGW178	AGW179	AGW180	AGW181	AGW182	AGW183	AGW184	AGW185	AGW186	AGW187	AGW188
Zone:	Intermediate	Intermediate	Intermediate	Deep	Intermediate	Deep	Intermediate	Intermediate	Deep	Intermediate	Deep	Intermediate	Intermediate	Intermediate
Laboratory SDG:	580-73467-1	580-73258-1	580-73410-1	580-73410-1	580-73410-1	580-73410-1	580-73232-1	580-73410-1	580-73410-1	580-73414-1	580-73467-1	580-73414-1	580-73467-1	580-73232-1
Sample Date:	12/7/2017	11/30/2017	12/5/2017	12/5/2017	12/5/2017	12/5/2017	11/29/2017	12/5/2017	12/5/2017	12/6/2017	12/7/2017	12/6/2017	12/7/2017	11/29/2017
Sample Type:	N	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	N
(mg/L; ASTM D7511/EPA 300.0/SM 5310C)														
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)														
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
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW189	AGW190	AGW191	AGW191	AGW192	AGW193	AGW194	AGW195	AGW196	AGW197	AGW198	AGW199	AGW200-2	AGW200-5
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Shallow	Shallow	Deep	Intermediate	Deep	Intermediate	Deep	Shallow	Intermediate
Laboratory SDG:	580-73414-1	580-73410-1	580-73196-1	580-73196-1	580-73196-1	580-73325-1	580-73325-1	580-73258-1	580-73258-1	580-73258-1	580-73258-1	580-73258-1	580-73290-1	580-73290-1
Sample Date:	12/6/2017	12/5/2017	11/28/2017	11/28/2017	11/28/2017	12/4/2017	12/4/2017	11/30/2017	11/30/2017	11/30/2017	11/30/2017	11/30/2017	12/1/2017	12/1/2017
Sample Type:	PDN	PDN	PDN	PDFD	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)														
1,1,1-Trichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichlorotrifluoroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	**0.80**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.20**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloropropane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone/MEK	5.0 UJ	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 UJ	5.0 U	5.0 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
Acetone	20 U	19 U	**56**	**57**	32 U	**47**	**22**	18 U	**38**	**23**	**32**	**21**	5.0 U	5.0 U
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Bromodichloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Disulfide	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**1.5**	**0.48**	**0.68**	**3.4**	**0.91**	**0.45**	**1.7**	**1.9**	**5.1**
cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibromochloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.24**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.26**	**0.48**
trans-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	**0.49**	**1.0**	0.20 U	0.20 U	0.20 U	**2.8**	**1.6**	**6.3**	0.20 U	**8.5**	**6.5**	**6.2**	**0.23**	**1.0**
Trichlorofluoromethane (CFC 11)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Acetate	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	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.14**	0.020 U	0.020 U	**1.9**	0.020 U	0.020 U	0.020 U	**1.1**	0.020 U

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW189	AGW190	AGW191	AGW191	AGW192	AGW193	AGW194	AGW195	AGW196	AGW197	AGW198	AGW199	AGW200-2	AGW200-5
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Shallow	Shallow	Deep	Intermediate	Deep	Intermediate	Deep	Shallow	Intermediate
Laboratory SDG:	580-73414-1	580-73410-1	580-73196-1	580-73196-1	580-73196-1	580-73325-1	580-73325-1	580-73258-1	580-73258-1	580-73258-1	580-73258-1	580-73258-1	580-73290-1	580-73290-1
Sample Date:	12/6/2017	12/5/2017	11/28/2017	11/28/2017	11/28/2017	12/4/2017	12/4/2017	11/30/2017	11/30/2017	11/30/2017	11/30/2017	11/30/2017	12/1/2017	12/1/2017
Sample Type:	PDN	PDN	PDN	PDFD	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	N	N
(mg/L; ASTM D7511/EPA 300.0/SM 5310C)														
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)														
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
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW200-6	AGW201-2	AGW201-5	AGW201-6	AGW202-2	AGW202-4	AGW202-6	AGW203-2	AGW203-4	AGW203-6	AGW206	AGW207-2	AGW207-4	AGW207-7
Zone:	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Intermediate	Shallow	Intermediate	Deep
Laboratory SDG:	580-73290-1	580-73290-1	580-73290-1	580-73290-1	580-73290-1	580-73290-1	580-73290-1	580-73290-1	580-73290-1	580-73290-1	580-73414-1	580-73217-1	580-73217-1	580-73217-1
Sample Date:	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/6/2017	11/29/2017	11/29/2017	11/29/2017
Sample Type:	N	N	N	N	N	N	N	N	N	N	PDN	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)														
1,1,1-Trichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichlorotrifluoroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloropropane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone/MEK	5.0 U	5.0 U	5.0 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 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
Acetone	5.0 U	5.0 U	**9.1**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**25**	5.0 U	5.0 U	5.0 U
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Bromodichloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U
Bromomethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Disulfide	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	**4.9**	**2.8**	**2.6**	**3.9**	**2.4**	**0.98**	**0.22**	0.20 U	0.20 U	0.20 U	0.20 U	**4.1**	**1.4**	**0.56**
cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibromochloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.39**	**0.39**	0.20 U	**0.33**	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	**0.50**	**0.24**	**0.22**	**0.41**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	**0.80**	**0.36**	**3.5**	**6.2**	**0.99**	**2.4**	**0.82**	**0.67**	**2.7**	0.20 U	**0.46**	**4.4**	**4.7**	**4.5**
Trichlorofluoromethane (CFC 11)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Acetate	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	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	**0.80**	**2.1**	**0.51**	**0.38**	**0.90**	**0.21**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.21**	**0.062**	0.020 U

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW200-6	AGW201-2	AGW201-5	AGW201-6	AGW202-2	AGW202-4	AGW202-6	AGW203-2	AGW203-4	AGW203-6	AGW206	AGW207-2	AGW207-4	AGW207-7
Zone:	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Intermediate	Shallow	Intermediate	Deep
Laboratory SDG:	580-73290-1	580-73290-1	580-73290-1	580-73290-1	580-73290-1	580-73290-1	580-73290-1	580-73290-1	580-73290-1	580-73290-1	580-73414-1	580-73217-1	580-73217-1	580-73217-1
Sample Date:	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/6/2017	11/29/2017	11/29/2017	11/29/2017
Sample Type:	N	N	N	N	N	N	N	N	N	N	PDN	N	N	N
(mg/L; ASTM D7511/EPA 300.0/SM 5310C)														
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)														
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
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW208-2	AGW208-4	AGW208-6	AGW209-2	AGW209-5	AGW209-6	AGW210-5	AGW210-6	AGW211-5	AGW211-6	AGW212-5	AGW212-7	AGW213	AGW214
Zone:	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Intermediate	Deep	Intermediate	Deep	Intermediate	Deep	Deep	Intermediate
Laboratory SDG:	580-73155-1	580-73155-1	580-73155-1	580-73155-1	580-73155-1	580-73155-1	580-73155-1	580-73155-1	580-73155-1	580-73155-1	580-73467-1	580-73467-1	580-73232-1	580-73424-1
Sample Date:	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	12/7/2017	12/7/2017	11/29/2017	12/6/2017
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	PDN	N
Volatile Organic Compounds (µg/L; SW-846 8260C)														
1,1,1-Trichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichlorotrifluoroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	**0.20**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloropropane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone/MEK	5.0 UJ	5.0 UJ	5.0 UJ	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	5.0 U	5.0 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
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	**52**	5.0 U
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Bromodichloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Disulfide	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 UJ	0.20 UJ	0.20 U	0.20 U
Chlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	**3.8**	**5.2**	**0.55**	0.20 U	**1.3**	**0.68**	**1.7**	**0.41**	**1.3**	**0.79**	0.20 U	0.20 U	0.20 U	**0.26**
cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibromochloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	**1.9**	**0.57**	**4.3**	0.20 U	**1.7**	**4.1**	**0.63**	**3.2**	**2.2**	**1.2**	**1.5**	**3.7**	0.20 U	**2.1 J**
Trichlorofluoromethane (CFC 11)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Acetate	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	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	**0.64**	**0.17**	0.020 U	**1.7**	**1.2**	**0.026**	**0.050**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW208-2	AGW208-4	AGW208-6	AGW209-2	AGW209-5	AGW209-6	AGW210-5	AGW210-6	AGW211-5	AGW211-6	AGW212-5	AGW212-7	AGW213	AGW214
Zone:	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Intermediate	Deep	Intermediate	Deep	Intermediate	Deep	Deep	Intermediate
Laboratory SDG:	580-73155-1	580-73155-1	580-73155-1	580-73155-1	580-73155-1	580-73155-1	580-73155-1	580-73155-1	580-73155-1	580-73155-1	580-73467-1	580-73467-1	580-73232-1	580-73424-1
Sample Date:	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	12/7/2017	12/7/2017	11/29/2017	12/6/2017
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	PDN	N
(mg/L; ASTM D7511/EPA 300.0/SM 5310C)														
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)														
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
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW214	AGW215	AGW216	AGW217	AGW218	AGW218	AGW219	AGW220	AGW221	AGW222	AGW225	AGW226	AGW227	AGW228
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Shallow	Shallow	Intermediate	Shallow
Laboratory SDG:	580-73424-1	580-73424-1	580-73467-1	580-73424-1	580-73424-1	580-73424-1	580-73410-1	580-73424-1	580-73424-1	580-73411-1	580-73196-1	580-73232-1	580-73445-1	580-73445-1
Sample Date:	12/6/2017	12/6/2017	12/7/2017	12/6/2017	12/6/2017	12/6/2017	12/5/2017	12/6/2017	12/6/2017	12/5/2017	11/28/2017	11/29/2017	12/6/2017	12/6/2017
Sample Type:	FD	N	N	N	N	FD	PDN	N	N	PDN	N	N	PDN	N
Volatile Organic Compounds (µg/L; SW-846 8260C)														
1,1,1-Trichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichlorotrifluoroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloropropane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone/MEK	5.0 U	5.0 U	5.0 U	5.0 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	5.0 UJ
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
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**48**	5.0 U	5.0 U	15 U	5.0 U	5.0 U	**39**	5.0 U
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Bromodichloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ
Carbon Disulfide	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	0.20 U	0.20 U	0.20 UJ	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ
cis-1,2-Dichloroethene	**0.26**	0.20 U	0.20 U	0.20 U	**0.29**	**0.28**	0.20 U	0.20 U	0.20 U	0.20 U	**3.7**	**1.4**	**2.3**	**2.6**
cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibromochloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.53**	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.36**	0.20 U	**0.27**	**0.30**
trans-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	**2.0 J**	0.20 U	**0.77**	**1.4 J**	**2.7 J**	**2.7 J**	0.20 U	**0.26 J**	0.20 U	**0.38**	**1.9**	**1.8**	**1.7**	**2.3**
Trichlorofluoromethane (CFC 11)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Acetate	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	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	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	**0.39**	**0.35**	**0.21**	**0.24**

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW214	AGW215	AGW216	AGW217	AGW218	AGW218	AGW219	AGW220	AGW221	AGW222	AGW225	AGW226	AGW227	AGW228
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Shallow	Shallow	Intermediate	Shallow
Laboratory SDG:	580-73424-1	580-73424-1	580-73467-1	580-73424-1	580-73424-1	580-73424-1	580-73410-1	580-73424-1	580-73424-1	580-73411-1	580-73196-1	580-73232-1	580-73445-1	580-73445-1
Sample Date:	12/6/2017	12/6/2017	12/7/2017	12/6/2017	12/6/2017	12/6/2017	12/5/2017	12/6/2017	12/6/2017	12/5/2017	11/28/2017	11/29/2017	12/6/2017	12/6/2017
Sample Type:	FD	N	N	N	N	FD	PDN	N	N	PDN	N	N	PDN	N
(mg/L; ASTM D7511/EPA 300.0/SM 5310C)														
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	**5.4**	**19 J**	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	**4.1**	**4.4**	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	--	--	0.57 U	0.57 U	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	0.40 U	0.40 U	--	--
Methane	--	--	--	--	--	--	--	--	--	--	**390**	**870**	--	--
Dissolved Metals (mg/L; SW-846 6020A)														
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
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

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:	580-73325-1	580-73414-1	580-73258-1	580-73258-1	580-73467-1	580-73258-1	580-73217-1	580-73217-1	580-73217-1	580-73217-1	580-73410-1	580-73410-1	580-73410-1	580-73153-1
Sample Date:	12/4/2017	12/6/2017	11/30/2017	11/30/2017	12/7/2017	11/30/2017	11/29/2017	11/29/2017	11/29/2017	11/29/2017	12/5/2017	12/5/2017	12/5/2017	11/27/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	N	N	N	N	PDN	PDN	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)														
1,1,1-Trichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichlorotrifluoroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	**0.80**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	**0.51**	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.27**	0.20 U	**0.26**	0.20 U	0.20 U	**0.68**	0.20 U	0.20 U	0.20 U
1,2-Dichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloropropane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone/MEK	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	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	5.0 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
Acetone	**30**	**83**	**30**	**27**	18 U	**27**	5.0 U	5.0 U	5.0 U	5.0 U	**29**	18 U	5.0 U	5.0 U
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Bromodichloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Disulfide	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	0.20 U	0.20 U	0.20 U	0.20 U	0.20 UJ	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	**0.28**	0.20 U	**0.71**	**2.7**	0.20 U	**1.5**	**1.9**	**9.5**	0.20 U	**5.6**	**0.87**	0.20 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibromochloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.30**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	**0.34**	**0.77**	**0.24**	0.20 U	0.20 U	**7.1**	0.20 U	**1.9**	0.20 U	**0.99**	**2.3**	0.20 U	0.20 U	0.20 U
Trichlorofluoromethane (CFC 11)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Acetate	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	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	0.020 U	0.020 U	**2.3**	**3.5**	0.020 U	**0.052**	**4.1**	**0.20**	0.020 U	**0.12**	**0.025**	0.020 U	**0.20**	0.020 U

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

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:	580-73325-1	580-73414-1	580-73258-1	580-73258-1	580-73467-1	580-73258-1	580-73217-1	580-73217-1	580-73217-1	580-73217-1	580-73410-1	580-73410-1	580-73410-1	580-73153-1
Sample Date:	12/4/2017	12/6/2017	11/30/2017	11/30/2017	12/7/2017	11/30/2017	11/29/2017	11/29/2017	11/29/2017	11/29/2017	12/5/2017	12/5/2017	12/5/2017	11/27/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	N	N	N	N	PDN	PDN	N	N
(mg/L; ASTM D7511/EPA 300.0/SM 5310C)														
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2 U
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	**7.8**
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	0.57 U
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	0.40 U
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	**1,000**
Dissolved Metals (mg/L; SW-846 6020A)														
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
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW240-5	AGW241-1	AGW241-5	AGW242-1	AGW242-2	AGW242-5	AGW243-1	AGW243-3	AGW243-5	AGW244	AGW245	AGW246	AGW247-1	AGW247-1
Zone:	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT
Laboratory SDG:	580-73153-1	580-73153-1	580-73153-1	580-73153-1	580-73154-1	580-73153-1	580-73445-1	580-73445-1	580-73445-1	580-73154-1	580-73294-1	580-73294-1	580-73196-1	580-73196-1
Sample Date:	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	12/6/2017	12/6/2017	12/6/2017	11/27/2017	12/1/2017	12/1/2017	11/28/2017	11/28/2017
Sample Type:	N	N	N	N	N	N	N	N	N	N	PDN	PDN	N	FD
Volatile Organic Compounds (µg/L; SW-846 8260C)														
1,1,1-Trichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichlorotrifluoroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloropropane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone/MEK	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 U	5.0 UJ	5.0 UJ	5.0 U	5.0 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
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	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Bromodichloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Disulfide	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 UJ	0.50 UJ
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	0.20 U	0.20 U	**0.47**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibromochloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.23**	**0.23**
trans-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichlorofluoromethane (CFC 11)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Acetate	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	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	0.020 U	0.020 U	0.020 U	**0.26**	0.020 U	0.020 U	0.020 UJ	0.020 UJ	0.020 UJ	0.020 U	0.020 U	0.020 U	**2.6**	**2.5**

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW240-5	AGW241-1	AGW241-5	AGW242-1	AGW242-2	AGW242-5	AGW243-1	AGW243-3	AGW243-5	AGW244	AGW245	AGW246	AGW247-1	AGW247-1
Zone:	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT
Laboratory SDG:	580-73153-1	580-73153-1	580-73153-1	580-73153-1	580-73154-1	580-73153-1	580-73445-1	580-73445-1	580-73445-1	580-73154-1	580-73294-1	580-73294-1	580-73196-1	580-73196-1
Sample Date:	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	12/6/2017	12/6/2017	12/6/2017	11/27/2017	12/1/2017	12/1/2017	11/28/2017	11/28/2017
Sample Type:	N	N	N	N	N	N	N	N	N	N	PDN	PDN	N	FD
(mg/L; ASTM D7511/EPA 300.0/SM 5310C)														
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	1.2 U	--	--	--	--	--	--	--	--	**14**	--	--	**2.7**	**2.9**
Total Organic Carbon	**7.0**	--	--	--	--	--	--	--	--	**4.7**	--	--	**14**	**14**
Dissolved Gasses (µg/L; RSK-175)														
Ethane	**4.6**	--	--	--	--	--	--	--	--	0.57 U	--	--	0.57 U	0.57 U
Ethene	0.40 U	--	--	--	--	--	--	--	--	0.40 U	--	--	0.40 U	0.40 U
Methane	**19,000**	--	--	--	--	--	--	--	--	**0.30 J**	--	--	**4,500**	**4,400**
Dissolved Metals (mg/L; SW-846 6020A)														
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
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	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	AGW252
Zone:	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Intermediate	Deep	Shallow-WT	Shallow	Intermediate	Deep	Deep
Laboratory SDG:	580-73232-1	580-73445-1	580-73445-1	580-73445-1	580-73445-1	580-73370-1	580-73370-1	580-73370-1	580-73370-1	580-73294-1	580-73294-1	580-73370-1	580-73370-1	580-73424-1
Sample Date:	11/29/2017	12/6/2017	12/6/2017	12/6/2017	12/6/2017	12/5/2017	12/5/2017	12/5/2017	12/5/2017	12/1/2017	12/1/2017	12/5/2017	12/5/2017	12/6/2017
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)														
1,1,1-Trichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichlorotrifluoroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloropropane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone/MEK	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 UJ	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 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
Acetone	5.0 U	**5.0**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**43**
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Bromodichloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Disulfide	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloromethane	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	**1.2**	0.20 U	**1.5**	0.20 U	**1.7**	0.20 U	**0.22**	**0.52**	0.20 U	0.20 U	0.20 U	**1.1**	**0.23**	0.20 U
cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibromochloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	**0.44**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.20 U	0.20 U	**3.6**	0.20 U	**5.2**	0.20 U	0.20 U	**0.43**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichlorofluoromethane (CFC 11)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Acetate	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	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	**2.0**	0.020 UJ	**0.12**	**0.78**	**0.096**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**1.4**	**6.5**	**0.27**	0.020 U

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	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	AGW252
Zone:	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Intermediate	Deep	Shallow-WT	Shallow	Intermediate	Deep	Deep
Laboratory SDG:	580-73232-1	580-73445-1	580-73445-1	580-73445-1	580-73445-1	580-73370-1	580-73370-1	580-73370-1	580-73370-1	580-73294-1	580-73294-1	580-73370-1	580-73370-1	580-73424-1
Sample Date:	11/29/2017	12/6/2017	12/6/2017	12/6/2017	12/6/2017	12/5/2017	12/5/2017	12/5/2017	12/5/2017	12/1/2017	12/1/2017	12/5/2017	12/5/2017	12/6/2017
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N	PDN
(mg/L; ASTM D7511/EPA 300.0/SM 5310C)														
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	1.2 U	--	--	--	--	--	--	--	--	**210**	1.2 U	1.2 U	--	--
Total Organic Carbon	**6.5**	--	--	--	--	--	--	--	--	**13**	**8.1**	**7.2**	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	**1.7**	--	--	--	--	--	--	--	--	0.57 U	**1.8**	0.57 U	--	--
Ethene	0.40 U	--	--	--	--	--	--	--	--	0.40 U	**2.0**	**0.70 J**	--	--
Methane	**1,600**	--	--	--	--	--	--	--	--	**54**	**2,900**	**3,100**	--	--
Dissolved Metals (mg/L; SW-846 6020A)														
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
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW254-1	AGW254-2	AGW254-5	AGW255-1	AGW255-3	AGW255-5	AGW256	AGW257	AGW258	AGW259	AGW260	AGW261	AGW262	AGW263
Zone:	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow	Intermediate	Intermediate	Shallow	Shallow	Deep	Deep	Shallow	Shallow-WT	Shallow-WT
Laboratory SDG:	580-73424-1	580-73424-1	580-73424-1	580-73410-1	580-73410-1	580-73410-1	580-73232-1	580-73232-1	580-73232-1	580-73424-1	580-73154-1	580-73294-1	580-73294-1	580-73196-1
Sample Date:	12/6/2017	12/6/2017	12/6/2017	12/5/2017	12/5/2017	12/5/2017	11/29/2017	11/29/2017	11/29/2017	12/6/2017	11/27/2017	12/1/2017	12/1/2017	11/28/2017
Sample Type:	N	N	N	N	N	N	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)														
1,1,1-Trichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichlorotrifluoroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloropropane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone/MEK	5.0 U	5.0 U	5.0 U	5.0 U	5.0 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
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
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**37**	19 U	20 U	**31**	**37**	**28**	48 U	50 U
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Bromodichloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Disulfide	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 UJ
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	**2.2**	**1.1**	**0.81**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**1.2**	0.20 U	**1.7**
cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibromochloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.31**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.29**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.20 U	0.20 U	0.20 U	**0.40**	0.20 U	0.20 U	**0.76**	0.20 U	0.20 U	0.20 U	0.20 U	**2.3**	0.20 U	**0.47**
Trichlorofluoromethane (CFC 11)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Acetate	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	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	0.020 U	0.020 U	0.020 U	**0.23**	**0.18**	**0.22**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.024**	**0.26**	0.020 U

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW254-1	AGW254-2	AGW254-5	AGW255-1	AGW255-3	AGW255-5	AGW256	AGW257	AGW258	AGW259	AGW260	AGW261	AGW262	AGW263
Zone:	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow	Intermediate	Intermediate	Shallow	Shallow	Deep	Deep	Shallow	Shallow-WT	Shallow-WT
Laboratory SDG:	580-73424-1	580-73424-1	580-73424-1	580-73410-1	580-73410-1	580-73410-1	580-73232-1	580-73232-1	580-73232-1	580-73424-1	580-73154-1	580-73294-1	580-73294-1	580-73196-1
Sample Date:	12/6/2017	12/6/2017	12/6/2017	12/5/2017	12/5/2017	12/5/2017	11/29/2017	11/29/2017	11/29/2017	12/6/2017	11/27/2017	12/1/2017	12/1/2017	11/28/2017
Sample Type:	N	N	N	N	N	N	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
(mg/L; ASTM D7511/EPA 300.0/SM 5310C)														
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)														
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
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW264	AGW265	AGW266	AGW267	AGW268	AGW269	AGW269	AGW270	AGW271	AGW272	AGW273	AGW274	AGW275	AGW276-2
Zone:	Deep	Intermediate	Shallow	Intermediate	Deep	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory SDG:	580-73196-1	580-73196-1	580-73232-1	580-73153-1	580-73154-1	580-73217-1	580-73217-1	580-73195-1	580-73195-1	580-73195-1	580-73195-1	580-73195-1	580-73217-1	580-73294-1
Sample Date:	11/28/2017	11/28/2017	11/29/2017	11/27/2017	11/27/2017	11/29/2017	11/29/2017	11/28/2017	11/28/2017	11/28/2017	11/28/2017	11/28/2017	11/29/2017	12/1/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	N	FD	N	N	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)														
1,1,1-Trichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichlorotrifluoroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloropropane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone/MEK	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 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
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
Acetone	14 U	**43**	18 U	**29**	14 U	5.0 U	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	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Bromodichloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Disulfide	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	0.20 U	0.20 U	**0.39**	0.20 U	0.20 U	0.20 U	0.20 U	**0.23**	0.20 U	**4.6**	**0.84**	0.20 U	0.20 U	**1.5**
cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibromochloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.61**	**0.23**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.52**	**0.29**	0.20 U	0.20 U	0.20 U
trans-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.29**	0.20 U	0.20 U	0.20 U	**0.30**
Trichlorofluoromethane (CFC 11)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Acetate	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	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.97**	**0.98**	**3.0**	**0.29**	**1.4**	**4.1**	**0.20**	0.020 U	**1.3**

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW264	AGW265	AGW266	AGW267	AGW268	AGW269	AGW269	AGW270	AGW271	AGW272	AGW273	AGW274	AGW275	AGW276-2
Zone:	Deep	Intermediate	Shallow	Intermediate	Deep	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory SDG:	580-73196-1	580-73196-1	580-73232-1	580-73153-1	580-73154-1	580-73217-1	580-73217-1	580-73195-1	580-73195-1	580-73195-1	580-73195-1	580-73195-1	580-73217-1	580-73294-1
Sample Date:	11/28/2017	11/28/2017	11/29/2017	11/27/2017	11/27/2017	11/29/2017	11/29/2017	11/28/2017	11/28/2017	11/28/2017	11/28/2017	11/28/2017	11/29/2017	12/1/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	N	FD	N	N	N	N	N	N	N
(mg/L; ASTM D7511/EPA 300.0/SM 5310C)														
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	--
Total Organic Carbon	--	--	--	--	--	**8.5**	**8.6**	**17**	**14**	**4.3**	**6.3**	**7.8**	**8.0**	--
Dissolved Gasses (µg/L; RSK-175)														
Ethane	--	--	--	--	--	**2.4 J**	**2.2 J**	1.7 U	1.7 U	0.57 U	**1.5**	**4.6 J**	**4.7**	--
Ethene	--	--	--	--	--	1.2 U	1.2 U	1.2 U	1.2 U	0.40 U	**1.3**	0.40 UJ	0.40 U	--
Methane	--	--	--	--	--	**34,000**	**30,000**	**23,000 J**	**27,000**	**930**	**3,300**	**12,000 J**	**7,300**	--
Dissolved Metals (mg/L; SW-846 6020A)														
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
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW276-5	AGW276-6	AGW277	AGW278-1	AGW278-2	AGW278-3	AGW278-3	AGW278-4	AGW278-5	AGW278-6	AGW278-7	APP-057	IW34
Zone:	Intermediate	Deep	Shallow-WT	Shallow-WT	Shallow	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Deep	Shallow	Shallow
Laboratory SDG:	580-73294-1	580-73294-1	580-73411-1	580-73192-1/A7K1003	580-73322-1	580-73322-1	580-73322-1	580-73322-1	580-73322-1	580-73411-1	580-73322-1	580-73424-1	580-73195-1
Sample Date:	12/1/2017	12/1/2017	12/5/2017	11/28/2017	12/4/2017	12/4/2017	12/4/2017	12/4/2017	12/4/2017	12/5/2017	12/4/2017	12/6/2017	11/28/2017
Sample Type:	N	N	N	N	N	N	FD	N	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)													
1,1,1-Trichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichlorotrifluoroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloropropane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone/MEK	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
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
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
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	**10**	5.0 U	5.0 U
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.77**	0.20 U	0.20 U
Bromodichloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Disulfide	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.41**	0.20 U	0.20 U
Chloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	**6.4**	**1.6**	0.20 U	**2.0**	**1.7**	**7.5**	**7.6**	**0.92**	0.20 U	**0.20**	0.20 U	0.20 U	**0.85**
cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibromochloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	**0.74**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**10**
trans-1,2-Dichloroethene	**0.53**	0.20 U	0.20 U	0.20 U	0.20 U	**0.32**	**0.33**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.20 U	**2.8**	0.20 U	**0.43**	**0.91**	0.20 U	0.20 U	0.20 U	**0.30**	0.20 U	0.20 U	0.20 U	0.20 U
Trichlorofluoromethane (CFC 11)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Acetate	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	1.0 U	1.0 U	1.0 U
Vinyl Chloride	**1.2**	**0.089**	0.020 U	**0.63**	**0.27**	**1.5**	**1.5**	**2.0**	0.020 U	0.020 U	0.020 U	0.020 U	**1.1**

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	AGW276-5	AGW276-6	AGW277	AGW278-1	AGW278-2	AGW278-3	AGW278-3	AGW278-4	AGW278-5	AGW278-6	AGW278-7	APP-057	IW34
Zone:	Intermediate	Deep	Shallow-WT	Shallow-WT	Shallow	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Deep	Shallow	Shallow
Laboratory SDG:	580-73294-1	580-73294-1	580-73411-1	580-73192-1/A7K1003	580-73322-1	580-73322-1	580-73322-1	580-73322-1	580-73322-1	580-73411-1	580-73322-1	580-73424-1	580-73195-1
Sample Date:	12/1/2017	12/1/2017	12/5/2017	11/28/2017	12/4/2017	12/4/2017	12/4/2017	12/4/2017	12/4/2017	12/5/2017	12/4/2017	12/6/2017	11/28/2017
Sample Type:	N	N	N	N	N	N	FD	N	N	N	N	N	N
(mg/L; ASTM D7511/EPA 300.0/SM 5310C)													
Total Cyanide (a)	--	--	--	**0.0158**	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	1.2 U
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	**46**
Dissolved Gasses (µg/L; RSK-175)													
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	1.7 U
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	1.2 U
Methane	--	--	--	--	--	--	--	--	--	--	--	--	**27,000**
Dissolved Metals (mg/L; SW-846 6020A)													
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)													
Diesel Range Organics (C12-C24)	--	--	**0.31**	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	**1.5**	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	IW36	IW37
Zone:	Shallow	Shallow
Laboratory SDG:	580-73217-1	580-73195-1
Sample Date:	11/29/2017	11/28/2017
Sample Type:	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)		
1,1,1-Trichloroethane	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U
1,1,2-Trichloroethane	0.20 U	0.20 U
1,1,2-Trichlorotrifluoroethane	0.50 U	0.50 U
1,1-Dichloroethane	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U
1,2-Dichloroethane	0.20 U	0.20 U
1,2-Dichloropropane	0.50 U	0.50 U
2-Butanone/MEK	5.0 U	5.0 U
2-Hexanone	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0 U
Acetone	5.0 U	5.0 U
Benzene	0.20 U	0.20 U
Bromodichloromethane	0.50 U	0.50 U
Bromoform	0.50 U	0.50 U
Bromomethane	0.50 U	0.50 U
Carbon Disulfide	0.50 U	0.50 U
Carbon Tetrachloride	0.20 U	0.20 U
Chlorobenzene	0.50 U	0.50 U
Chloroethane	0.50 UJ	0.50 UJ
Chloroform	0.20 U	0.20 U
Chloromethane	0.50 U	0.50 U
cis-1,2-Dichloroethene	**0.26**	**0.53**
cis-1,3-Dichloropropene	0.20 U	0.20 U
Dibromochloromethane	0.50 U	0.50 U
Ethylbenzene	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U
Methylene Chloride	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U
Styrene	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U
Toluene	0.20 U	**3.6**
trans-1,2-Dichloroethene	**0.21**	0.20 U
trans-1,3-Dichloropropene	0.20 U	0.20 U
Trichloroethene	0.20 U	0.20 U
Trichlorofluoromethane (CFC 11)	0.50 U	0.50 U
Vinyl Acetate	1.0 U	1.0 U
Vinyl Chloride	**4.9**	**0.91**

Table 1-2
4Q2017 Groundwater Analytical Results
Boeing Auburn Facility

Sample Location:	IW36	IW37
Zone:	Shallow	Shallow
Laboratory SDG:	580-73217-1	580-73195-1
Sample Date:	11/29/2017	11/28/2017
Sample Type:	N	N
(mg/L; ASTM D7511/EPA 300.0/SM 5310C)		
Total Cyanide (a)	--	--
Sulfate	1.2 U	1.2 U
Total Organic Carbon	**9.2**	**48**
Dissolved Gasses (µg/L; RSK-175)		
Ethane	**1.3**	1.7 U
Ethene	**0.41 J**	1.2 U
Methane	**2,400**	**42,000**
Dissolved Metals (mg/L; SW-846 6020A)		
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:
(a) Total Cyanide was collected, filtered and preserved with NaOH
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-Dx = Method Northwest diesel-range total petroleum hydrocarbon extended
NWTPH-Gx = Method Northwest gasoline-range total petroleum hydrocarbon extended
PDFD = passive diffusion field duplicate
PDN = passive diffusion primary sample
SDG = sample delivery group
WT = water table

Table 1-3
4Q2017 Groundwater Detections
Boeing Auburn Facility

Sample Location:	AGW001R	AGW002R	AGW006R	AGW006R	AGW010	AGW010	AGW024	AGW025	AGW026	AGW027	AGW031R	AGW032	AGW033
Zone:	Shallow	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow-WT
Laboratory SDG:	580-73219-1	580-73219-1	580-73292-1	580-73292-1	580-73292-1	580-73292-1	580-73468-1	580-73468-1	580-73411-1	580-73414-1	580-73258-1	580-73414-1	580-73322-1
Sample Date:	11/29/2017	11/29/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/7/2017	12/7/2017	12/5/2017	12/6/2017	11/30/2017	12/6/2017	12/4/2017
Sample Type:	PDN	N	PDN	PDFD	N	FD	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)													
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	**0.20**	**0.22**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acetone	**44**	5.0 U	**36**	**33**	100 U	5.0 U	**53**	**62**	18 U	**33**	**37**	**47**	**33**
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	**0.76 J**	**1.1 J**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	0.20 U	0.20 U	**1.2**	**1.2**	0.20 U	0.20 U	**0.81**	**2.8**	**0.75**	**0.95**	**2.0**	0.20 U	**0.48**
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	**570**	**620**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	**490**	**590**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	**77**	**90**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	**0.20**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	**3.9 J**	**8.0 J**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.31**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	**1.6**	0.20 U	**0.28**	**0.30**	0.20 U	0.20 U	0.20 U	0.20 U	**0.59**	0.20 U	**0.78**	0.20 U	**0.52**
Vinyl Chloride	0.020 U	0.020 U	**0.088**	**0.083**	0.020 U	0.020 U	**1.5**	**1.5**	0.020 U	**0.49**	0.020 U	0.020 U	0.020 U
General Chemistry (mg/L; ASTM D7511/EPA 300.0/SM 5310C)													
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	1.2 U	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	**3.0**	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)													
Ethane	--	0.57 U	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	0.40 U	--	--	--	--	--	--	--	--	--	--	--
Methane	--	**8,200**	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)													
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)													
Diesel Range Organics (C12-C24)	--	--	--	--	**0.33**	**0.33**	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	0.25 U	0.25 U	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	**8.7 J**	**11 J**	--	--	--	--	--	--	--

Table 1-3
4Q2017 Groundwater Detections
Boeing Auburn Facility

Sample Location:	AGW037	AGW047	AGW048	AGW049	AGW049	AGW050	AGW053R	AGW055R	AGW055R	AGW057R	AGW060R	AGW064
Zone:	Shallow-WT	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow-WT	Intermediate	Intermediate	Intermediate	Intermediate	Shallow-WT
Laboratory SDG:	580-73192-1/A7K1003	A7K1003	A7K1003	580-73192-1/A7K1003	580-73192-1/A7K1003	580-73192-1/A7K1003	580-73219-1	580-73292-1	580-73292-1	580-73219-1	580-73219-1	580-73414-1
Sample Date:	11/28/2017	11/29/2017	11/28/2017	11/28/2017	11/28/2017	11/28/2017	11/29/2017	12/1/2017	12/1/2017	11/29/2017	11/29/2017	12/6/2017
Sample Type:	PDN/N	N	N	N	FD	N	PDN	PDN	PDFD	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)												
1,1,2,2-Tetrachloroethane	0.20 U	--	--	--	--	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	0.50 U	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	--	--	--	--	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acetone	**20**	--	--	--	--	--	**130**	19 U	19 U	8.0 U	**41**	**80**
Benzene	0.20 U	--	--	--	--	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	0.20 U	--	--	--	--	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	**1.2**	--	--	--	--	--	**0.27**	**0.52**	**0.46**	0.20 U	**1.7**	0.20 U
Ethylbenzene	0.50 U	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	--	--	--	--	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	--	--	--	--	--	**0.28**	0.20 U	0.20 U	**0.57**	0.20 U	0.20 U
Toluene	0.20 U	--	--	--	--	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	--	--	--	--	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	**2.1**	--	--	--	--	--	**0.86**	**0.33**	**0.30**	**1.0**	**0.69**	**0.21**
Vinyl Chloride	**0.21**	--	--	--	--	--	0.020 U	**0.024**	**0.029**	0.020 U	0.020 U	0.020 U
General Chemistry (mg/L; ASTM D7511/EPA 300.0/SM 5310C)												
Total Cyanide (a)	0.00500 U	**0.0233**	**0.0740**	**0.00748**	**0.00674**	**0.296**	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)												
Ethane	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)												
Cadmium	--	--	--	**0.0088**	**0.0099**	**0.012**	--	--	--	--	--	--
Copper	--	--	--	**0.76**	**0.79**	--	--	--	--	--	--	--
Nickel	--	--	--	**0.060**	**0.061**	**0.012 J**	--	--	--	--	--	--
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
4Q2017 Groundwater Detections
Boeing Auburn Facility

Sample Location:	AGW066	AGW067	AGW069	AGW072	AGW073	AGW074	AGW079	AGW085	AGW087	AGW088	AGW088	AGW089	AGW090
Zone:	Shallow-WT	Shallow-WT	Shallow-WT	Intermediate	Deep	Shallow-WT	Shallow-WT	Shallow-WT	Intermediate	Shallow	Shallow	Intermediate	Shallow
Laboratory SDG:	580-73258-1	580-73258-1	580-73154-1	580-73292-1	580-73258-1	580-73292-1	580-73468-1	580-73414-1	580-73292-1	580-73292-1	580-73292-1	580-73292-1	580-73292-1
Sample Date:	11/30/2017	11/30/2017	11/27/2017	12/1/2017	11/30/2017	12/1/2017	12/7/2017	12/6/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDFD	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)													
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acetone	**33**	**47**	**43**	**38**	**26**	11 U	**44**	9.9 U	17 U	**37**	**39**	**30**	**22**
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	**1.1**	**1.7**	0.20 U	0.20 U	0.20 U	0.20 U	**0.25**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.29**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	**3.4**	**3.1**	0.20 U	**0.96**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Vinyl Chloride	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.48**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
General Chemistry (mg/L; ASTM D7511/EPA 300.0/SM 5310C)													
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)													
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)													
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
4Q2017 Groundwater Detections
Boeing Auburn Facility

Sample Location:	AGW091	AGW095R	AGW098R	AGW106R	AGW110R	AGW112R	AGW115	AGW116	AGW117	AGW118	AGW119	AGW120	AGW125
Zone:	Intermediate	Intermediate	Deep	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Intermediate	Shallow	Shallow
Laboratory SDG:	580-73292-1	580-73258-1	580-73258-1	580-73219-1	580-73219-1	580-73219-1	580-73411-1	580-73411-1	580-73414-1	580-73414-1	580-73292-1	580-73292-1	580-73258-1
Sample Date:	12/1/2017	11/30/2017	11/30/2017	11/29/2017	11/29/2017	11/29/2017	12/5/2017	12/5/2017	12/6/2017	12/6/2017	12/1/2017	12/1/2017	11/30/2017
Sample Type:	PDN	PDN	PDN	N	N	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)													
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acetone	20 U	**34**	21 U	5.0 U	5.0 U	**68**	17 U	**26**	14 U	5.0 U	**39**	13 U	8.4 U
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.32**	0.20 U	0.20 U
cis-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.44**	**2.4**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**1.6**
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	**0.21**	0.20 U	0.20 U	0.20 U	**0.23**	0.20 U	**0.49**	**0.55**	**0.58**	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.20 U	**0.72**	**0.33**	0.20 U	0.20 U	**1.3**	0.20 U	0.20 U	0.20 U	**0.22**	0.20 U	0.20 U	**6.6**
Vinyl Chloride	0.020 U	0.020 U	0.020 U	0.020 U	**0.15**	**0.084**	**0.26**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.025**
General Chemistry (mg/L; ASTM D7511/EPA 300.0/SM 5310C)													
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	**12**	1.2 U	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	1.0 U	**2.9**	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)													
Ethane	--	--	--	0.57 U	0.57 U	--	--	--	--	--	--	--	--
Ethene	--	--	--	0.40 U	0.40 U	--	--	--	--	--	--	--	--
Methane	--	--	--	**580**	**5,200**	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)													
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
4Q2017 Groundwater Detections
Boeing Auburn Facility

Sample Location:	AGW125	AGW126	AGW128	AGW129	AGW130	AGW131	AGW134	AGW135	AGW136	AGW137	AGW138	AGW139	AGW140
Zone:	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow	Shallow	Intermediate	Deep	Intermediate	Intermediate
Laboratory SDG:	580-73258-1	580-73258-1	580-73411-1	580-73411-1	580-73411-1	580-73414-1	580-73414-1	580-73322-1	580-73154-1	580-73154-1	580-73154-1	580-73154-1	580-73414-1
Sample Date:	11/30/2017	11/30/2017	12/5/2017	12/5/2017	12/5/2017	12/6/2017	12/6/2017	12/4/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	12/6/2017
Sample Type:	PDFD	PDN	N	PDN	N	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)													
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acetone	8.5 U	**33**	5.0 U	6.3 U	5.0 U	**34**	**30**	**41**	11 U	**24**	14 U	**29**	**30**
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	**1.6**	**1.4**	0.20 U	0.20 U	0.20 U	**2.0**	0.20 U	**0.33**	**0.81**	**0.96**	0.20 U	0.20 U	**1.5**
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	**0.46**	**0.33**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	**6.7**	**1.3**	0.20 U	**0.31**	**0.24**	0.20 U	0.20 U	**1.1**	**1.8**	**2.3**	**0.47**	**2.5**	**3.3**
Vinyl Chloride	0.020 U	**0.25**	0.020 U	0.020 U	0.020 U	**4.8**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.20**
General Chemistry (mg/L; ASTM D7511/EPA 300.0/SM 5310C)													
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)													
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)													
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)													
Diesel Range Organics (C12-C24)	--	--	**1.8**	--	0.10 U	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	**5.8**	--	**0.29**	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-3
4Q2017 Groundwater Detections
Boeing Auburn Facility

Sample Location:	AGW141	AGW142	AGW143	AGW144	AGW145	AGW146	AGW147	AGW148	AGW149	AGW150	AGW151	AGW152	AGW154
Zone:	Intermediate	Deep	Deep	Intermediate	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Shallow	Intermediate
Laboratory SDG:	580-73154-1	580-73154-1	580-73322-1	580-73322-1	580-73322-1	580-73322-1	580-73370-1	580-73370-1	580-73370-1	580-73154-1	580-73154-1	580-73468-1	580-73411-1
Sample Date:	11/27/2017	11/27/2017	12/4/2017	12/4/2017	12/4/2017	12/4/2017	12/5/2017	12/5/2017	12/5/2017	11/27/2017	11/27/2017	12/7/2017	12/5/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)													
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acetone	**37**	**62**	**31**	**35**	**34**	**24**	**24**	**27**	19 U	**59**	**24**	**60**	**59**
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	**0.26**	0.20 U	0.20 U	**1.9**	**7.1**	**1.5**	**1.4**	**1.4**	**0.33**	0.20 U	0.20 U	0.20 U	**0.34**
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	**0.34**	**0.97**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	**1.6**	0.20 U	0.20 U	**0.44**	**10**	**3.5**	0.20 U	**3.1**	**3.1**	**0.99**	**0.40**	0.20 U	**0.27**
Vinyl Chloride	0.020 U	0.020 U	0.020 U	**0.38**	**0.68**	**0.098**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**2.6**	0.020 U
General Chemistry (mg/L; ASTM D7511/EPA 300.0/SM 5310C)													
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)													
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)													
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
4Q2017 Groundwater Detections
Boeing Auburn Facility

Sample Location:	AGW155	AGW156	AGW157	AGW158	AGW159	AGW160	AGW161	AGW162	AGW163	AGW163	AGW164	AGW165	AGW166
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Shallow	Intermediate
Laboratory SDG:	580-73468-1	580-73414-1	580-73370-1	580-73325-1	580-73325-1	580-73410-1	580-73468-1	580-73154-1	580-73414-1	580-73414-1	580-73322-1	580-73322-1	580-73325-1
Sample Date:	12/7/2017	12/6/2017	12/5/2017	12/4/2017	12/4/2017	12/5/2017	12/7/2017	11/27/2017	12/6/2017	12/6/2017	12/4/2017	12/4/2017	12/4/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDFD	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)													
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acetone	21 U	**12**	**24**	16 U	**47**	**23**	9.6 U	**34**	**34**	**35**	**30**	**23**	**36**
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	**3.3**	**6.9**	**1.5**	**0.45**	**0.70**	**0.21**	0.20 U	0.20 U	**1.1**	**1.1**	**0.34**	**1.3**	**0.46**
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	**0.29**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	**0.38**	**0.46**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.20 U	**0.24**	**1.6**	**2.0**	**3.6**	**2.5**	**1.2**	**0.51**	**3.7**	**3.7**	**1.4**	**2.1**	0.20 U
Vinyl Chloride	**3.5**	**1.6**	**0.37**	0.020 U	**0.072**	0.020 U	0.020 UJ	0.020 U	**0.027**	0.020 U	**0.053**	**0.18**	**0.20**
General Chemistry (mg/L; ASTM D7511/EPA 300.0/SM 5310C)													
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)													
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)													
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
4Q2017 Groundwater Detections
Boeing Auburn Facility

Sample Location:	AGW167	AGW168	AGW169	AGW170	AGW171	AGW172	AGW173	AGW174	AGW175	AGW176	AGW177	AGW178	AGW179
Zone:	Deep	Intermediate	Deep	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Intermediate
Laboratory SDG:	580-73325-1	580-73325-1	580-73325-1	580-73325-1	580-73325-1	580-73258-1	580-73258-1	580-73467-1	580-73467-1	580-73258-1	580-73410-1	580-73410-1	580-73410-1
Sample Date:	12/4/2017	12/4/2017	12/4/2017	12/4/2017	12/4/2017	11/30/2017	11/30/2017	12/7/2017	12/7/2017	11/30/2017	12/5/2017	12/5/2017	12/5/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	N	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)													
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acetone	19 U	**23**	**30**	**40**	**33**	14 U	14 U	20 U	5.0 U	**24**	**26**	**40**	**28**
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	**2.1**	**1.5**	**1.3**	**0.33**	0.20 U	**0.22**	0.20 U	0.20 U	**0.26**	**0.25**	**0.69**	**0.36**	**5.9**
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	**0.24**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.20**	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	**0.24**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	**4.9**	**4.4**	**5.2**	**2.0**	**1.5**	**3.8**	**1.4**	**1.3**	**1.8**	**3.1**	**3.6**	**3.6**	0.20 U
Vinyl Chloride	**0.14**	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	**0.068**
General Chemistry (mg/L; ASTM D7511/EPA 300.0/SM 5310C)													
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)													
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)													
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
4Q2017 Groundwater Detections
Boeing Auburn Facility

Sample Location:	AGW180	AGW181	AGW182	AGW183	AGW184	AGW185	AGW186	AGW187	AGW188	AGW189	AGW190	AGW191	AGW191
Zone:	Deep	Intermediate	Intermediate	Deep	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate
Laboratory SDG:	580-73410-1	580-73232-1	580-73410-1	580-73410-1	580-73414-1	580-73467-1	580-73414-1	580-73467-1	580-73232-1	580-73414-1	580-73410-1	580-73196-1	580-73196-1
Sample Date:	12/5/2017	11/29/2017	12/5/2017	12/5/2017	12/6/2017	12/7/2017	12/6/2017	12/7/2017	11/29/2017	12/6/2017	12/5/2017	11/28/2017	11/28/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	N	PDN	PDN	PDN	PDFD
Volatile Organic Compounds (µg/L; SW-846 8260C)													
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acetone	**26**	**30**	**20**	**15**	**30**	**25**	**80**	**34**	5.0 U	20 U	19 U	**56**	**57**
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	**0.58**	**1.6**	**2.1**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.44**	0.20 U	0.20 U	0.20 U	0.20 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	**0.24**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	**2.9**	**3.8**	**1.4**	0.20 U	**0.31**	**2.0**	**0.39**	**1.6**	**3.9**	**0.49**	**1.0**	0.20 U	0.20 U
Vinyl Chloride	0.020 U	0.020 U	**0.17**	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
General Chemistry (mg/L; ASTM D7511/EPA 300.0/SM 5310C)													
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)													
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)													
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
4Q2017 Groundwater Detections
Boeing Auburn Facility

Sample Location:	AGW192	AGW193	AGW194	AGW195	AGW196	AGW197	AGW198	AGW199	AGW200-2	AGW200-5	AGW200-6	AGW201-2	AGW201-5
Zone:	Deep	Shallow	Shallow	Deep	Intermediate	Deep	Intermediate	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate
Laboratory SDG:	580-73196-1	580-73325-1	580-73325-1	580-73258-1	580-73258-1	580-73258-1	580-73258-1	580-73258-1	580-73290-1	580-73290-1	580-73290-1	580-73290-1	580-73290-1
Sample Date:	11/28/2017	12/4/2017	12/4/2017	11/30/2017	11/30/2017	11/30/2017	11/30/2017	11/30/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)													
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	**0.80**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	**0.20**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acetone	32 U	**47**	**22**	18 U	**38**	**23**	**32**	**21**	5.0 U	5.0 U	5.0 U	5.0 U	**9.1**
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	0.20 U	**1.5**	**0.48**	**0.68**	**3.4**	**0.91**	**0.45**	**1.7**	**1.9**	**5.1**	**4.9**	**2.8**	**2.6**
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	**0.24**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.26**	**0.48**	**0.50**	**0.24**	**0.22**
Trichloroethene	0.20 U	**2.8**	**1.6**	**6.3**	0.20 U	**8.5**	**6.5**	**6.2**	**0.23**	**1.0**	**0.80**	**0.36**	**3.5**
Vinyl Chloride	0.020 U	**0.14**	0.020 U	0.020 U	**1.9**	0.020 U	0.020 U	0.020 U	**1.1**	0.020 U	**0.80**	**2.1**	**0.51**
General Chemistry (mg/L; ASTM D7511/EPA 300.0/SM 5310C)													
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)													
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)													
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
4Q2017 Groundwater Detections
Boeing Auburn Facility

Sample Location:	AGW201-6	AGW202-2	AGW202-4	AGW202-6	AGW203-2	AGW203-4	AGW203-6	AGW206	AGW207-2	AGW207-4	AGW207-7	AGW208-2	AGW208-4
Zone:	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Intermediate	Shallow	Intermediate	Deep	Shallow	Intermediate
Laboratory SDG:	580-73290-1	580-73290-1	580-73290-1	580-73290-1	580-73290-1	580-73290-1	580-73290-1	580-73414-1	580-73217-1	580-73217-1	580-73217-1	580-73155-1	580-73155-1
Sample Date:	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/6/2017	11/29/2017	11/29/2017	11/29/2017	11/27/2017	11/27/2017
Sample Type:	N	N	N	N	N	N	N	PDN	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)													
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**25**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	**3.9**	**2.4**	**0.98**	**0.22**	0.20 U	0.20 U	0.20 U	0.20 U	**4.1**	**1.4**	**0.56**	**3.8**	**5.2**
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	**0.39**	**0.39**	0.20 U	**0.33**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	**0.41**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	**6.2**	**0.99**	**2.4**	**0.82**	**0.67**	**2.7**	0.20 U	**0.46**	**4.4**	**4.7**	**4.5**	**1.9**	**0.57**
Vinyl Chloride	**0.38**	**0.90**	**0.21**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.21**	**0.062**	0.020 U	**0.64**	**0.17**
General Chemistry (mg/L; ASTM D7511/EPA 300.0/SM 5310C)													
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)													
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)													
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
4Q2017 Groundwater Detections
Boeing Auburn Facility

Sample Location:	AGW208-6	AGW209-2	AGW209-5	AGW209-6	AGW210-5	AGW210-6	AGW211-5	AGW211-6	AGW212-5	AGW212-7	AGW213	AGW214	AGW214
Zone:	Deep	Shallow	Intermediate	Deep	Intermediate	Deep	Intermediate	Deep	Intermediate	Deep	Deep	Intermediate	Intermediate
Laboratory SDG:	580-73155-1	580-73155-1	580-73155-1	580-73155-1	580-73155-1	580-73155-1	580-73155-1	580-73155-1	580-73467-1	580-73467-1	580-73232-1	580-73424-1	580-73424-1
Sample Date:	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	12/7/2017	12/7/2017	11/29/2017	12/6/2017	12/6/2017
Sample Type:	N	N	N	N	N	N	N	N	N	N	PDN	N	FD
Volatile Organic Compounds (µg/L; SW-846 8260C)													
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	**0.20**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
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	**52**	5.0 U	5.0 U
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	**0.55**	0.20 U	**1.3**	**0.68**	**1.7**	**0.41**	**1.3**	**0.79**	0.20 U	0.20 U	0.20 U	**0.26**	**0.26**
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	**4.3**	0.20 U	**1.7**	**4.1**	**0.63**	**3.2**	**2.2**	**1.2**	**1.5**	**3.7**	0.20 U	**2.1 J**	**2.0 J**
Vinyl Chloride	0.020 U	**1.7**	**1.2**	**0.026**	**0.050**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
General Chemistry (mg/L; ASTM D7511/EPA 300.0/SM 5310C)													
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)													
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)													
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
4Q2017 Groundwater Detections
Boeing Auburn Facility

Sample Location:	AGW215	AGW216	AGW217	AGW218	AGW218	AGW219	AGW220	AGW221	AGW222	AGW225	AGW226	AGW227	AGW228
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Shallow	Shallow	Intermediate	Shallow
Laboratory SDG:	580-73424-1	580-73467-1	580-73424-1	580-73424-1	580-73424-1	580-73410-1	580-73424-1	580-73424-1	580-73411-1	580-73196-1	580-73232-1	580-73445-1	580-73445-1
Sample Date:	12/6/2017	12/7/2017	12/6/2017	12/6/2017	12/6/2017	12/5/2017	12/6/2017	12/6/2017	12/5/2017	11/28/2017	11/29/2017	12/6/2017	12/6/2017
Sample Type:	N	N	N	N	FD	PDN	N	N	PDN	N	N	PDN	N
Volatile Organic Compounds (µg/L; SW-846 8260C)													
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**48**	5.0 U	5.0 U	15 U	5.0 U	5.0 U	**39**	5.0 U
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	**0.29**	**0.28**	0.20 U	0.20 U	0.20 U	0.20 U	**3.7**	**1.4**	**2.3**	**2.6**
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.53**	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.36**	0.20 U	**0.27**	**0.30**
Trichloroethene	0.20 U	**0.77**	**1.4 J**	**2.7 J**	**2.7 J**	0.20 U	**0.26 J**	0.20 U	**0.38**	**1.9**	**1.8**	**1.7**	**2.3**
Vinyl Chloride	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	**0.39**	**0.35**	**0.21**	**0.24**
General Chemistry (mg/L; ASTM D7511/EPA 300.0/SM 5310C)													
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	**5.4**	**19 J**	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	**4.1**	**4.4**	--	--
Dissolved Gasses (µg/L; RSK-175)													
Ethane	--	--	--	--	--	--	--	--	--	0.57 U	0.57 U	--	--
Ethene	--	--	--	--	--	--	--	--	--	0.40 U	0.40 U	--	--
Methane	--	--	--	--	--	--	--	--	--	**390**	**870**	--	--
Dissolved Metals (mg/L; SW-846 6020A)													
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
4Q2017 Groundwater Detections
Boeing Auburn Facility

Sample Location:	AGW229	AGW230	AGW231	AGW232	AGW233	AGW234	AGW235-2	AGW235-4	AGW235-7	AGW236	AGW237	AGW238	AGW239
Zone:	Shallow-WT	Deep	Shallow	Shallow	Deep	Deep	Shallow	Intermediate	Deep	Shallow	Deep	Intermediate	Shallow
Laboratory SDG:	580-73325-1	580-73414-1	580-73258-1	580-73258-1	580-73467-1	580-73258-1	580-73217-1	580-73217-1	580-73217-1	580-73217-1	580-73410-1	580-73410-1	580-73410-1
Sample Date:	12/4/2017	12/6/2017	11/30/2017	11/30/2017	12/7/2017	11/30/2017	11/29/2017	11/29/2017	11/29/2017	11/29/2017	12/5/2017	12/5/2017	12/5/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	N	N	N	N	PDN	PDN	N
Volatile Organic Compounds (µg/L; SW-846 8260C)													
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	**0.80**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	**0.51**	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.27**	0.20 U	**0.26**	0.20 U	0.20 U	**0.68**	0.20 U	0.20 U
Acetone	**30**	**83**	**30**	**27**	18 U	**27**	5.0 U	5.0 U	5.0 U	5.0 U	**29**	18 U	5.0 U
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	**0.28**	0.20 U	**0.71**	**2.7**	0.20 U	**1.5**	**1.9**	**9.5**	0.20 U	**5.6**	**0.87**	0.20 U	0.20 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.30**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	**0.34**	**0.77**	**0.24**	0.20 U	0.20 U	**7.1**	0.20 U	**1.9**	0.20 U	**0.99**	**2.3**	0.20 U	0.20 U
Vinyl Chloride	0.020 U	0.020 U	**2.3**	**3.5**	0.020 U	**0.052**	**4.1**	**0.20**	0.020 U	**0.12**	**0.025**	0.020 U	**0.20**
General Chemistry (mg/L; ASTM D7511/EPA 300.0/SM 5310C)													
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)													
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)													
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
4Q2017 Groundwater Detections
Boeing Auburn Facility

Sample Location:	AGW240-1	AGW240-5	AGW241-1	AGW241-5	AGW242-1	AGW242-2	AGW242-5	AGW243-1	AGW243-3	AGW243-5	AGW244	AGW245	AGW246
Zone:	Shallow-WT	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT
Laboratory SDG:	580-73153-1	580-73153-1	580-73153-1	580-73153-1	580-73153-1	580-73154-1	580-73153-1	580-73445-1	580-73445-1	580-73445-1	580-73154-1	580-73294-1	580-73294-1
Sample Date:	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	11/27/2017	12/6/2017	12/6/2017	12/6/2017	11/27/2017	12/1/2017	12/1/2017
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)													
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
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
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	**0.47**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Vinyl Chloride	0.020 U	0.020 U	0.020 U	0.020 U	**0.26**	0.020 U	0.020 U	0.020 UJ	0.020 UJ	0.020 UJ	0.020 U	0.020 U	0.020 U
General Chemistry (mg/L; ASTM D7511/EPA 300.0/SM 5310C)													
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	1.2 U	1.2 U	--	--	--	--	--	--	--	--	**14**	--	--
Total Organic Carbon	**7.8**	**7.0**	--	--	--	--	--	--	--	--	**4.7**	--	--
Dissolved Gasses (µg/L; RSK-175)													
Ethane	0.57 U	**4.6**	--	--	--	--	--	--	--	--	0.57 U	--	--
Ethene	0.40 U	0.40 U	--	--	--	--	--	--	--	--	0.40 U	--	--
Methane	**1,000**	**19,000**	--	--	--	--	--	--	--	--	**0.30 J**	--	--
Dissolved Metals (mg/L; SW-846 6020A)													
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
4Q2017 Groundwater Detections
Boeing Auburn Facility

Sample Location:	AGW247-1	AGW247-1	AGW247-5	AGW248-1	AGW248-5	AGW249-1	AGW249-5	AGW250-1	AGW250-2	AGW250-3	AGW250-6	AGW251-1	AGW251-2
Zone:	Shallow-WT	Shallow-WT	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Intermediate	Deep	Shallow-WT	Shallow
Laboratory SDG:	580-73196-1	580-73196-1	580-73232-1	580-73445-1	580-73445-1	580-73445-1	580-73445-1	580-73370-1	580-73370-1	580-73370-1	580-73370-1	580-73294-1	580-73294-1
Sample Date:	11/28/2017	11/28/2017	11/29/2017	12/6/2017	12/6/2017	12/6/2017	12/6/2017	12/5/2017	12/5/2017	12/5/2017	12/5/2017	12/1/2017	12/1/2017
Sample Type:	N	FD	N	N	N	N	N	N	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)													
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acetone	5.0 U	5.0 U	5.0 U	**5.0**	5.0 U	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	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	0.20 U	0.20 U	**1.2**	0.20 U	**1.5**	0.20 U	**1.7**	0.20 U	**0.22**	**0.52**	0.20 U	0.20 U	0.20 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	**0.23**	**0.23**	**0.44**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	**3.6**	0.20 U	**5.2**	0.20 U	0.20 U	**0.43**	0.20 U	0.20 U	0.20 U
Vinyl Chloride	**2.6**	**2.5**	**2.0**	0.020 UJ	**0.12**	**0.78**	**0.096**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**1.4**
General Chemistry (mg/L; ASTM D7511/EPA 300.0/SM 5310C)													
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	**2.7**	**2.9**	1.2 U	--	--	--	--	--	--	--	--	**210**	1.2 U
Total Organic Carbon	**14**	**14**	**6.5**	--	--	--	--	--	--	--	--	**13**	**8.1**
Dissolved Gasses (µg/L; RSK-175)													
Ethane	0.57 U	0.57 U	**1.7**	--	--	--	--	--	--	--	--	0.57 U	**1.8**
Ethene	0.40 U	0.40 U	0.40 U	--	--	--	--	--	--	--	--	0.40 U	**2.0**
Methane	**4,500**	**4,400**	**1,600**	--	--	--	--	--	--	--	--	**54**	**2,900**
Dissolved Metals (mg/L; SW-846 6020A)													
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
4Q2017 Groundwater Detections
Boeing Auburn Facility

Sample Location:	AGW251-3	AGW251-6	AGW252	AGW254-1	AGW254-2	AGW254-5	AGW255-1	AGW255-3	AGW255-5	AGW256	AGW257	AGW258	AGW259
Zone:	Intermediate	Deep	Deep	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow	Intermediate	Intermediate	Shallow	Shallow	Deep
Laboratory SDG:	580-73370-1	580-73370-1	580-73424-1	580-73424-1	580-73424-1	580-73424-1	580-73410-1	580-73410-1	580-73410-1	580-73232-1	580-73232-1	580-73232-1	580-73424-1
Sample Date:	12/5/2017	12/5/2017	12/6/2017	12/6/2017	12/6/2017	12/6/2017	12/5/2017	12/5/2017	12/5/2017	11/29/2017	11/29/2017	11/29/2017	12/6/2017
Sample Type:	N	N	PDN	N	N	N	N	N	N	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)													
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acetone	5.0 U	5.0 U	**43**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**37**	19 U	20 U	**31**
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	**1.1**	**0.23**	0.20 U	0.20 U	0.20 U	0.20 U	**2.2**	**1.1**	**0.81**	0.20 U	0.20 U	0.20 U	0.20 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.31**	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.29**	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.40**	0.20 U	0.20 U	**0.76**	0.20 U	0.20 U	0.20 U
Vinyl Chloride	**6.5**	**0.27**	0.020 U	0.020 U	0.020 U	0.020 U	**0.23**	**0.18**	**0.22**	0.020 U	0.020 U	0.020 U	0.020 U
General Chemistry (mg/L; ASTM D7511/EPA 300.0/SM 5310C)													
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	1.2 U	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	**7.2**	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)													
Ethane	0.57 U	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	**0.70 J**	--	--	--	--	--	--	--	--	--	--	--	--
Methane	**3,100**	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)													
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
4Q2017 Groundwater Detections
Boeing Auburn Facility

Sample Location:	AGW260	AGW261	AGW262	AGW263	AGW264	AGW265	AGW266	AGW267	AGW268	AGW269	AGW269	AGW270	AGW271
Zone:	Deep	Shallow	Shallow-WT	Shallow-WT	Deep	Intermediate	Shallow	Intermediate	Deep	Shallow	Shallow	Shallow	Shallow
Laboratory SDG:	580-73154-1	580-73294-1	580-73294-1	580-73196-1	580-73196-1	580-73196-1	580-73232-1	580-73153-1	580-73154-1	580-73217-1	580-73217-1	580-73195-1	580-73195-1
Sample Date:	11/27/2017	12/1/2017	12/1/2017	11/28/2017	11/28/2017	11/28/2017	11/29/2017	11/27/2017	11/27/2017	11/29/2017	11/29/2017	11/28/2017	11/28/2017
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	N	FD	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)													
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acetone	**37**	**28**	48 U	50 U	14 U	**43**	18 U	**29**	14 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	0.20 U	**1.2**	0.20 U	**1.7**	0.20 U	0.20 U	**0.39**	0.20 U	0.20 U	0.20 U	0.20 U	**0.23**	0.20 U
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.61**	**0.23**
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.20 U	**2.3**	0.20 U	**0.47**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Vinyl Chloride	0.020 U	**0.024**	**0.26**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.97**	**0.98**	**3.0**	**0.29**
General Chemistry (mg/L; ASTM D7511/EPA 300.0/SM 5310C)													
Total Cyanide (a)	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	1.2 U	1.2 U	1.2 U	1.2 U
Total Organic Carbon	--	--	--	--	--	--	--	--	--	**8.5**	**8.6**	**17**	**14**
Dissolved Gasses (µg/L; RSK-175)													
Ethane	--	--	--	--	--	--	--	--	--	**2.4 J**	**2.2 J**	1.7 U	1.7 U
Ethene	--	--	--	--	--	--	--	--	--	1.2 U	1.2 U	1.2 U	1.2 U
Methane	--	--	--	--	--	--	--	--	--	**34,000**	**30,000**	**23,000 J**	**27,000**
Dissolved Metals (mg/L; SW-846 6020A)													
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
4Q2017 Groundwater Detections
Boeing Auburn Facility

Sample Location:	AGW272	AGW273	AGW274	AGW275	AGW276-2	AGW276-5	AGW276-6	AGW277	AGW278-1	AGW278-2	AGW278-3	AGW278-3	AGW278-4
Zone:	Shallow	Shallow	Shallow	Shallow	Shallow	Intermediate	Deep	Shallow-WT	Shallow-WT	Shallow	Intermediate	Intermediate	Intermediate
Laboratory SDG:	580-73195-1	580-73195-1	580-73195-1	580-73217-1	580-73294-1	580-73294-1	580-73294-1	580-73411-1	580-73192-1/A7K1003	580-73322-1	580-73322-1	580-73322-1	580-73322-1
Sample Date:	11/28/2017	11/28/2017	11/28/2017	11/29/2017	12/1/2017	12/1/2017	12/1/2017	12/5/2017	11/28/2017	12/4/2017	12/4/2017	12/4/2017	12/4/2017
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	FD	N
Volatile Organic Compounds (µg/L; SW-846 8260C)													
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
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
Benzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	**4.6**	**0.84**	0.20 U	0.20 U	**1.5**	**6.4**	**1.6**	0.20 U	**2.0**	**1.7**	**7.5**	**7.6**	**0.92**
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.74**	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	**0.52**	**0.29**	0.20 U	0.20 U	0.20 U	**0.53**	0.20 U	0.20 U	0.20 U	0.20 U	**0.32**	**0.33**	0.20 U
Trichloroethene	**0.29**	0.20 U	0.20 U	0.20 U	**0.30**	0.20 U	**2.8**	0.20 U	**0.43**	**0.91**	0.20 U	0.20 U	0.20 U
Vinyl Chloride	**1.4**	**4.1**	**0.20**	0.020 U	**1.3**	**1.2**	**0.089**	0.020 U	**0.63**	**0.27**	**1.5**	**1.5**	**2.0**
General Chemistry (mg/L; ASTM D7511/EPA 300.0/SM 5310C)													
Total Cyanide (a)	--	--	--	--	--	--	--	--	**0.0158**	--	--	--	--
Sulfate	1.2 U	1.2 U	1.2 U	1.2 U	--	--	--	--	--	--	--	--	--
Total Organic Carbon	**4.3**	**6.3**	**7.8**	**8.0**	--	--	--	--	--	--	--	--	--
Dissolved Gasses (µg/L; RSK-175)													
Ethane	0.57 U	**1.5**	**4.6 J**	**4.7**	--	--	--	--	--	--	--	--	--
Ethene	0.40 U	**1.3**	0.40 UJ	0.40 U	--	--	--	--	--	--	--	--	--
Methane	**930**	**3,300**	**12,000 J**	**7,300**	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6020A)													
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)													
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	**0.31**	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	**1.5**	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1-3
4Q2017 Groundwater Detections
Boeing Auburn Facility

Sample Location:	AGW278-5	AGW278-6	AGW278-7	APP-057	IW34	IW36	IW37
Zone:	Intermediate	Deep	Deep	Shallow	Shallow	Shallow	Shallow
Laboratory SDG:	580-73322-1	580-73411-1	580-73322-1	580-73424-1	580-73195-1	580-73217-1	580-73195-1
Sample Date:	12/4/2017	12/5/2017	12/4/2017	12/6/2017	11/28/2017	11/29/2017	11/28/2017
Sample Type:	N	N	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)							
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acetone	5.0 U	5.0 U	**10**	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	0.20 U	0.20 U	**0.77**	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	0.20 U	0.20 U	**0.41**	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	0.20 U	**0.20**	0.20 U	0.20 U	**0.85**	**0.26**	**0.53**
Ethylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	0.20 U	0.20 U	0.20 U	0.20 U	**10**	0.20 U	**3.6**
trans-1,2-Dichloroethene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.21**	0.20 U
Trichloroethene	**0.30**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Vinyl Chloride	0.020 U	0.020 U	0.020 U	0.020 U	**1.1**	**4.9**	**0.91**
General Chemistry (mg/L; ASTM D7511/EPA 300.0/SM 5310C)							
Total Cyanide (a)	--	--	--	--	--	--	--
Sulfate	--	--	--	--	1.2 U	1.2 U	1.2 U
Total Organic Carbon	--	--	--	--	**46**	**9.2**	**48**
Dissolved Gasses (µg/L; RSK-175)							
Ethane	--	--	--	--	1.7 U	**1.3**	1.7 U
Ethene	--	--	--	--	1.2 U	**0.41 J**	1.2 U
Methane	--	--	--	--	**27,000**	**2,400**	**42,000**
Dissolved Metals (mg/L; SW-846 6020A)							
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:

(a) Total Cyanide was collected, filtered and preserved with NaOH

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-Dx = Method Northwest diesel-range total petroleum hydrocarbon extended

NWTPH-Gx = Method Northwest gasoline-range total petroleum hydrocarbon extended

PDFD = passive diffusion field duplicate

PDN = passive diffusion primary sample

SDG = sample delivery group

WT = water table

Attachment 2

Pilot Test Results

Legend

- One-Time Surface Water Sampling Location
- 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. SW-CD13 was sampled in September 2017 for total organic carbon analysis.
2. 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

N

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)	DO (mg/L)	ORP (mV)	Iron II (mg/L)	Sulfate (mg/L)	Methane (µg/L)	Aquifer Redox State	TOC (mg/L)		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	1.20	-76.8	2.6	4.8	290	Fe/S	3.7	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	1.39	213.3	6.4	4.1	360	Fe/S	4.2	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	2.0	-54.7	4.0	4.2	170	Fe/S	3.8	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	0.73	-14	2.5	3.3	420	Fe/S	4.3	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	3.40	271	2.0	4.9	330	Fe/S	3.6	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	0.48	-6.0	2.5	5.7	340	Fe/S	4.3	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	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	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	77	0.00	0.25	0.67	0.08	0.00
		9/7/2017	734	<0.20	2.1	4.3	0.49	<0.20	0.33	<0.40	<0.57	0.46	-31.3	3.5	5.0	430	Fe/S	4.2	71	0.00	0.23	0.70	0.07	0.00
		11/28/2017	816	<0.20	1.9	3.7	0.36	<0.20	0.39	<0.40	<0.57	2.85	-85.1	4.0	5.4	390	Fe/S	4.1	63	0.00	0.23	0.67	0.10	0.00
AGW226	WT	8/14/2015	-21	<0.2	4.1	3.1	0.3	<0.2	0.56	<1.0	<1.0	0.55	-12.2	2.0	8.0	970	S/M	2.6	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	7.29	-26.1	2.0	7.8	1000	S/M	5.5	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	0.54	-28.45	2.5	6.5	1300	S/M	2.4	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	0.44	177	2.0	7.4	1200	S/M	2.7	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	0.70	82.5	0.0	17.6	1100	S/M	4.2	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	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	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	76	0.00	0.39	0.50	0.11	0.00
		9/5/2017	732	<0.20	3.6	3.6	0.31	<0.20	0.36	<0.40	<0.57	0.68	-37.7	3.0	7.4	1400	S/M	2.6	73	0.00	0.37	0.55	0.08	0.00
		11/29/2017	817	<0.20	1.8	1.4	<0.20	<0.20	0.35	<0.40	<0.57	2.33	-65.7	4.5	19	870	S/M	4.4	34	0.00	0.41	0.43	0.17	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	1.32	-169.5	2.7	<1.0	3200	M	8.6	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	0.54	-67.3	1.8	<1.0	2900	M	8.1	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	1.89	-83.3	2.5	<1.0	2800	M	7.5	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	0.73	-13.23	5.0	<1.0	2900	M	7.9	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	1.9	-42.5	1.5	<1.0	5700	M	7.5	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	0.60	-45.4	4.5	<1.0	8900	M	7.7	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	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	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	1	0.00	0.00	0.00	0.02	0.98
		9/5/2017	732	<0.20	<0.20	<0.20	<0.20	<0.20	0.068	<0.40	5.6	0.58	-77.6	3.4	<1.2	11000	M	7.9	1	0.00	0.00	0.00	0.01	0.99
		11/27/2017	815	<0.20	<0.20	<0.20	<0.20	<0.20	<0.020	<0.40	<0.57	6.57	-63.4	1.5 (c)	<1.2	1000	M	7.8	0	0.00	0.00	0.00	0.00	0.00
AGW240-5	SZ	12/1/2014	-277	<0.020	<0.2	4.9	0.7	<0.2	6.6	<1.0	1.0	0.51	-116.1	2.8	<1.0	2200	M	6.6	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	0.77	-41.7	2.8	<1.0	2000	M	5.4	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	0.81	-86.8	6.0	<1.0	2200	M	6.5	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	0.55	-19.15	6.0	<1.0	1700	M	6.9	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	0.33	-40.8	3.0	<1.0	8100	M	20.2	46	0.00	0.00	0.03	0.21	0.76

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)	DO (mg/L)	ORP (mV)	Iron II (mg/L)	Sulfate (mg/L)	Methane (µg/L)	Aquifer Redox State	TOC (mg/L)		PCE	TCE	Total DCE	VC	Ethene+ Ethane
		9/8/2016	370	<0.2	<0.2	<0.2	0.2	<0.2	0.20	<1.0	3.7	0.36	-48.8	4.0	<1.0	31000	M	5.7	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	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	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	1	0.00	0.00	0.00	0.00	1.00
		9/5/2017	732	<0.20	<0.20	<0.20	<0.20	<0.20	0.062	<0.80	4.5	0.71	-54.7	2.4	<1.2	20000	M	5.9	1	0.00	0.00	0.00	0.01	0.99
		11/27/2017	815	<0.20	<0.20	<0.20	<0.20	<0.20	<0.020	<0.40	4.6	1.60	-67.3	2.5 (c)	<1.2	19000	M	7.0	0	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	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	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	2.0	3.8	4600	M	53.1	0	0.00	0.00	0.00	0.00	0.00
		9/5/2017	732	<0.20	<0.20	<0.20	<0.20	<0.20	<0.020	<0.40	<0.57	0.59	-28.8	3.8	5.4	360	Fe/S	9.3	0	0.00	0.00	0.00	0.00	0.00
		11/27/2017	815	<0.20	<0.20	<0.20	<0.20	<0.20	<0.020	<0.40	<0.57	5.15	36.2	1.0	14	0.30	Fe	4.7	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	0.64	-76.1	2.5	6.3	3600	S/M	57.4	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	0.49	-61.4	3.4	<1.0	5200	M	9.6	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	4.32	-101.2	5.5	1.1	6900	M	13.2	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	0.44	-32.23	6.0	<1.0	7100	M	9.4	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	0.43	-49.5	2.5	<1.0	6100	M	9.7	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	0.62	-48.6	2.5	1.3	4200	M	11.1	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	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	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	82	0.00	0.00	0.06	0.94	0.00
		9/6/2017	733	<0.20	<0.20	<0.20	0.52	<0.20	6.5	<0.40	<0.57	0.52	-113.8	2.8	<1.2	6200	M	9.8	109	0.00	0.00	0.05	0.95	0.00
		11/28/2017	816	<0.20	<0.20	<0.20	0.23	<0.20	2.6	<0.40	<0.57	2.66	-74.2	3.5	2.7	4500	S/M	14	44	0.00	0.00	0.05	0.95	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	0.22	-136	5.0	<1.0	4000	M	21.3	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	0.54	-90.3	2.4	1.1	3400	M	6.2	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	4.76	-97.4	4.5	<1.0	2100	M	6.7	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	0.51	-63.1	6.5	<1.0	2000	M	5.7	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	0.34	-72.1	2.0	<1.0	2300	M	5.4	97	0.00	0.00	0.28	0.72	0.00
		9/8/2016	370	<0.2	<0.2	1.3	0.6	<0.2	3.9	<1.0	<1.0	0.34	-77.9	3.5	1.6	1300	M	6.7	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	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	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	59	0.00	0.00	0.14	0.32	0.54
		9/6/2017	733	<0.20	<0.20	1.1	0.43	<0.20	2.7	<0.40	1.7	0.51	-118.1	1.6	<1.2	2200	M	5.9	59	0.00	0.00	0.14	0.37	0.49
		11/29/2017	817	<0.20	<0.20	1.2	0.44	<0.20	2.0	<0.40	1.7	2.15	-103.9	4.2 (b)	<1.2	1600	M	6.5	49	0.00	0.00	0.16	0.30	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	0.83	-73.1	3.4	37.2	16000	S/M	27.3	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	4.51	208.8	6.8	1.3	140	Fe/S	16.9	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	12.0	-60.5	1.0	280	440	Fe	8.9	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	0.85	41.55	1.0	117	560	Fe/S	33.8	2	0.00	0.00	0.00	1.00	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)	DO (mg/L)	ORP (mV)	Iron II (mg/L)	Sulfate (mg/L)	Methane (µg/L)	Aquifer Redox State	TOC (mg/L)		PCE	TCE	Total DCE	VC	Ethene+ Ethane
		6/20/2016	290	<0.2	<0.2	<0.2	<0.2	<0.2	1.1	<1.0	<1.0	0.83	124.4	2.0	20.7	1800	S/M	11	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	2.19	-78.2	4.5	4.3	1100	S/M	13.1	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	11.5	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	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	11.5	16	0.00	0.00	0.00	1.00	0.00
		9/6/2017	733	<0.20	<0.20	<0.20	<0.20	<0.20	<0.020	<0.40	<0.57	5.13	-48.2	1.6	28	120	Fe	11	0	0.00	0.00	0.00	0.00	0.00
		12/1/2017	819	<0.20	<0.20	<0.20	<0.20	<0.20	<0.020	<0.40	<0.57	4.20	-59.2	5.5	210	54	Fe	13	0	0.00	0.00	0.00	0.00	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	0.49	-141.9	4.0	1.1	8500	M	11.2	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	0.94	210.6	5.2	2.1	4800	M	7.1	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	13.38	-109.1	6.0	1.2	3900	M	6.8	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	0.56	-99.13	1.5	1.9	2900	M	7.2	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	0.56	48.8	2.0	<1.0	3700	M	8.1	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	0.73	-81.8	2.0	<1.0	3300	M	8.1	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	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	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	37	0.00	0.00	0.00	0.18	0.82
		9/6/2017	733	<0.20	<0.20	<0.20	<0.20	<0.20	1.6	2.4	1.7	0.55	-116.5	2.2	<1.2	3500	M	9.0	26	0.00	0.00	0.00	0.15	0.85
		12/1/2017	819	<0.20	<0.20	<0.20	<0.20	<0.20	1.4	2.0	1.8	2.66	-95.4	4.5	<1.2	2900	M	8.1	22	0.00	0.00	0.00	0.15	0.85
AGW251-3	IZ	12/2/2014	-276	<0.020	<0.2	5.9	0.5	<0.2	4.3	<1.0	1.2	1.09	-112.2	3.1	<1.0	2500	M	7.6	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	1.51	209.7	5.8	<1.0	2200	M	6.3	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	10.63	-93.7	6.0	<1.0	2100	M	6.1	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	0.59	-50.43	2.0	<1.0	2600	M	7.3	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	0.45	78.3	2.0	<1.0	2600	M	8.1	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	0.68	-38.6	3.5	<1.0	2100	M	6.7	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	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	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	112	0.00	0.00	0.04	0.60	0.36
		9/6/2017	733	<0.20	<0.20	1.0	<0.20	<0.20	6.6	0.80	<0.57	0.47	-85.8	2.0	<1.2	2900	M	7.6	116	0.00	0.00	0.07	0.73	0.20
		12/5/2017	823	<0.20	<0.20	1.1	<0.20	<0.20	6.5	0.70	<0.57	2.93	-81.7	4.0	<1.2	3100	M	7.2	115	0.00	0.00	0.08	0.74	0.18
AGW269	SZ	8/14/2015	-21	<0.020	<0.2	6.7	0.7	<0.2	3.2	<1.0	<1.0	0.52	-95.9	1.0	1.9	1300	M	9.1	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	0.36	-49.0	4.0	<1.0	26000	M	122	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	0.27	-43.8	2.0	<1.0	15000	M	8.5	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	0.36	-28.1	2.0	<1.0	24000	M	8.2	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	0.49	-21.7	4.0	<1.0	29000	M	9.9	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	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	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	39	0.00	0.00	0.00	0.08	0.92
		9/5/2017	732	<0.20	<0.20	<0.20	<0.20	<0.20	1.0	<0.80	2.3	1.16	-44.9	3.0	<1.2	28000	M	8.5	16	0.00	0.00	0.00	0.17	0.83

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)	DO (mg/L)	ORP (mV)	Iron II (mg/L)	Sulfate (mg/L)	Methane (µg/L)	Aquifer Redox State	TOC (mg/L)		PCE	TCE	Total DCE	VC	Ethene+ Ethane
		11/29/2017	817	<0.20	<0.20	<0.20	<0.20	<0.20	0.97	<1.2	2.4	0.26	-31.8	2.6	<1.2	34000	M	8.5	16	0.00	0.00	0.00	0.16	0.84
AGW270	SZ	8/13/2015	-22	<0.020	<0.2	7.3	1.0	<0.2	2.2	<1.0	<1.0	1.58	199.4	5.8	<1.0	750	M	7.2	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	0.30	-11.0	2.5	<1.0	23000	M	682	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	0.30	-38.6	6.5	<1.0	22000	M	75.2	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	0.60	-52.4	2.0	<1.0	25000	M	46.7	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	0.49	-47.9	3.0	1.1	22000	M	39.1	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	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	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	107	0.00	0.00	0.05	0.54	0.41
		9/7/2017	734	<0.20	<0.20	0.34	0.22	<0.20	6.3	<1.2	<1.7	0.66	-55.8	3.5	<1.2	30000	M	18	107	0.00	0.00	0.05	0.95	0.00
		11/28/2017	816	<0.20	<0.20	0.23	<0.20	<0.20	3.0	<1.2	<1.7	0.28	-10.6	3.6	<1.2	23000	M	17	50	0.00	0.00	0.05	0.95	0.00
AGW271	SZ	8/13/2015	-22	<0.020	<0.2	6.5	0.7	<0.2	4.6	<1.0	<1.0	1.32	204.0	6.2	<1.0	2300	M	6.8	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	0.33	22.2	7.0	<1.0	19000	M	971	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	0.37	25.8	6.0	<10.0	28000	M	1080	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	0.58	-35.8	3.0	<1.0	29000	M	48.6	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	0.43	-39.5	2.5	<1.0	28000	M	16.9	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	93	0.00	0.00	0.33	0.67	0.00
		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	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	30	0.00	0.00	0.10	0.90	0.00
		9/5/2017	732	<0.20	<0.20	<0.20	<0.20	<0.20	0.63	<1.2	<1.7	1.96	-60.1	3.0	<1.2	33000	M	13	10	0.00	0.00	0.00	1.00	0.00
		11/28/2017	816	<0.20	<0.20	<0.20	<0.20	<0.20	0.29	<1.2	<1.7	0.22	-43.6	3.8	<1.2	27000	M	14	5	0.00	0.00	0.00	1.00	0.00
AGW272	SZ	8/13/2015	-22	<0.020	0.2	7.3	0.6	<0.2	0.66	<1.0	<1.0	0.49	-55.2	1.8	1.5	400	Fe/S	5.4	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	1.36	-85.3	4.0	<1.0	940	M	3.5	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	0.91	-71.43	1.0	1.1	460	Fe/S	4.1	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	0.76	-29.8	2.5	1.4	450	Fe/S	4.1	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	0.42	-37.5	3.0	1.6	360	Fe/S	4.9	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	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	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	83	0.00	0.04	0.69	0.27	0.00
		9/5/2017	732	<0.20	<0.20	3.5	0.65	<0.20	1.6	0.60	<0.57	3.19	-72.3	3.5	1.3	680	S/M	4.6	68	0.00	0.00	0.48	0.29	0.24
		11/28/2017	816	<0.20	0.29	4.6	0.52	<0.20	1.4	<0.40	<0.57	0.26	-43.6	1.8	<1.2	930	M	4.3	77	0.00	0.03	0.68	0.29	0.00
AGW273	SZ	8/13/2015	-22	<0.020	<0.2	6.3	0.7	<0.2	4.2	<1.0	<1.0	1.61	193.0	4.6	<1.0	880	M	6.1	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	1.52	-99.3	6.0	<1.0	1500	M	6.0	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	0.51	-54.3	1.2	<1.0	1300	M	6.1	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	0.71	24.1	2.0	<1.0	1300	M	5.5	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	0.77	-30.9	4.0	<1.0	900	M	6.7	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	107	0.00	0.00	0.16	0.40	0.45

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)	DO (mg/L)	ORP (mV)	Iron II (mg/L)	Sulfate (mg/L)	Methane (µg/L)	Aquifer Redox State	TOC (mg/L)		PCE	TCE	Total DCE	VC	Ethene+ Ethane
		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	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	93	0.00	0.00	0.33	0.67	0.00
		9/5/2017	732	<0.20	<0.20	1.6	0.33	<0.20	4.0	0.95	<0.57	0.72	-64.9	2.2	<1.2	1300	M	6.0	84	0.00	0.00	0.17	0.54	0.29
		11/28/2017	816	<0.20	<0.20	0.84	0.29	<0.20	4.1	1.3	1.5	0.23	-39.2	2.8	<1.2	3300	M	6.3	77	0.00	0.00	0.07	0.38	0.55
AGW274	SZ	8/13/2015	-22	<0.020	<0.2	<0.2	<0.2	<0.2	4.0	2.3	<1.0	0.54	-36.6	3.6	<1.0	1900	M	7.5	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	2.07	-95.0	4.0	<1.0	2700	M	8.1	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	0.43	-48.9	2.0	<1.0	920	M	7	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	0.47	-5.1	2.0	<1.0	920	M	5.8	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	1.05	-33.1	2.8	<1.0	9600	M	7	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	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	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	96	0.00	0.00	0.25	0.75	0.00
		9/5/2017	732	<0.20	<0.20	<0.20	<0.20	<0.20	0.43	0.79	4.4	2.22	-55.9	4.3	<1.2	5300	M	6.9	7	0.00	0.00	0.00	0.04	0.96
		11/28/2017	816	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	<0.40	4.6	0.46	-41.3	3.8	<1.2	12000	M	7.8	3	0.00	0.00	0.00	0.02	0.98
AGW275	SZ	8/13/2015	-22	<0.020	<0.2	2.3	0.3	<0.2	7.7	<1.0	<1.0	0.64	-47.6	3.0	1.0	2000	M	7.6	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	1.02	-100.3	4.5	<1.0	2100	M	6.9	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	0.35	-48.5	2.2	<1.0	14000	M	79.7	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	0.44	0.07	3.5	<1.0	26000	M	7.9	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	0.46	-45.3	2.0	<1.0	16000	M	8.3	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	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	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	1	0.00	0.00	0.00	0.00	1.00
		9/5/2017	732	<0.20	<0.20	<0.20	<0.20	<0.20	0.047	<0.40	4.1	0.67	-58.5	1.8	<1.2	9500	M	7.8	1	0.00	0.00	0.00	0.01	0.99
		11/29/2017	817	<0.20	<0.20	<0.20	<0.20	<0.20	<0.020	<0.40	4.7	0.27	-47.5	3.8	<1.2	7300	M	8.0	0	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	1.86	-17.1	2.6	<1.0	940	M	7.4	124	0.00	0.00	0.61	0.39	0.00
		11/28/2016	451	--	--	--	--	--	--	--	--	9.27	38.3	--	--	--	--	205	--	--	--	--	--	--
IW34	SZ	8/17/2015	-18	<0.020	0.2	7.6	0.8	<0.2	4.9	<1.0	<1.0	0.57	-60.2	4.0	<1.0	1900	M	6.9	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	1.79	-24.7	9.5	22.5	7900	S/M	6010	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	0.39	44.1	7.0	<10.0	15000	M	6450	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	1.07	116	3.0	1.9	23000	M	3840	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	0.46	-85.3	6.0	1.1	17000	M	377	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	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	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	58	0.00	0.01	0.15	0.25	0.60
		9/5/2017	732	<0.20	<0.20	1.0	<0.20	<0.20	2.0	<1.2	<1.7	1.26	-16.3	4.5	<1.2	27000	M	37	42	0.00	0.00	0.24	0.76	0.00
		11/28/2017	816	<0.20	<0.20	0.85	<0.20	<0.20	1.1	<1.2	<1.7	0.45	8.1	3.0	<1.2	27000	M	46	26	0.00	0.00	0.33	0.67	0.00
IW35	SZ	8/17/2015	-18	<0.020	<0.2	3.3	0.5	<0.2	3.7	<1.0	<1.0	0.77	-22.8	2.0	1.0	1800	M	7.2	98	0.00	0.00	0.40	0.60	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)	DO (mg/L)	ORP (mV)	Iron II (mg/L)	Sulfate (mg/L)	Methane (µg/L)	Aquifer Redox State	TOC (mg/L)		PCE	TCE	Total DCE	VC	Ethene+ Ethane
		11/28/2016	451	--	--	--	--	--	--	--	--	0.76	0.7	--	--	--	--	16.3	--	--	--	--	--	--
IW36	SZ	8/17/2015	-18	<0.020	0.2	3.3	0.7	<0.2	6.0	<1.0	<1.0	0.58	-29.5	2.8	<1.0	1700	M	7.6	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	1.77	-100.2	6.0	<1.0	17000	M	63.7	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	0.32	-47.58	1.5	<1.0	14000	M	17.9	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	0.36	-7.85	1.0	<1.0	11000	M	11.4	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	0.35	-27.8	4.5	<1.0	6600	M	11.2	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	98	0.00	0.00	0.16	0.56	0.29
		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	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	106	0.00	0.00	0.10	0.51	0.39
		9/5/2017	732	<0.20	<0.20	0.36	0.23	<0.20	5.0	<0.40	1.7	0.69	-54.3	2.4	<1.2	2600	M	9.2	86	0.00	0.00	0.04	0.56	0.40
		11/29/2017	817	<0.20	<0.20	0.26	0.21	<0.20	4.9	0.41	1.3	0.34	-29.3	1.8	<1.2	2400	M	9.2	83	0.00	0.00	0.03	0.56	0.41
IW37	SZ	8/13/2015	-22	<0.020	<0.2	5.3	0.5	<0.2	4.9	<1.0	<1.0	0.56	-45.0	2.0	<1.0	1800	M	6.6	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	1.40	-24.2	9.0	6.6	3800	M	4780	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	0.47	35.1	5.0	<10.0	23000	M	2480	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	0.91	-81.5	2.5	<1.0	20000	M	1130	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	0.91	-123.4	5.0	1.3	17000	M	337	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	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	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	25	0.00	0.00	0.16	0.05	0.79
		9/5/2017	732	<0.20	<0.20	0.80	<0.20	<0.20	1.3	<1.2	<1.7	0.88	-71.9	3.0	<1.2	31000	M	59	29	0.00	0.00	0.28	0.72	0.00
		11/28/2017	816	<0.20	<0.20	0.53	<0.20	<0.20	0.91	<1.2	<1.7	0.19	-40.3	3.6	<1.2	42000	M	48	20	0.00	0.00	0.27	0.73	0.00

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.

(b) Iron was measured on December 14,2017.

(c) Iron was measured on November 28, 2017.

Abbreviations/Acronyms:

-- = not applicable/not analyzed
11DCE = 1,1-dichloroethene
cDCE = cis-1,2-dichlorethene
Conc = concentration
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