April 15, 2015

Washington State Department of Ecology
Northwest Regional Office
3190 160th Avenue Southeast
Bellevue, Washington 98008-5452

Attn: Ms. Robin Harrover

RE: STATUS REPORT: NO. 50, JANUARY THROUGH MARCH 2015 ACTIVITY PERIOD
BOEING AUBURN FACILITY
WAD 041337130, RCRA CORRECTIVE ACTION AGREED ORDER
NO. 01HWTRNR-3345

Ms. Harrover:

References:

1. January 13, 2015. Letter: *Ecology Comment and Approval of: Agency Review Draft Additional Tier I Commercial Vapor Intrusion Assessment Work Plan Winter 2014/2015 Boeing Auburn Facility by Landau Associates Inc. for the Boeing Company, dated December 10, 2014; FS #2018; CS #5049; EPA #WAD041337130*. From Neal Hines, Washington State Department of Ecology, to James Bet, The Boeing Company.

2. January 15, 2015. Letter: *Status Report: No. 49, October Through December 2014 Activity Period, Boeing Auburn Facility, WAD 041337130, RCRA Corrective Action Agreed Order No. 01HWTRNR-3345*. From Jennifer Wynkoop, Landau Associates, to Robin Harrover, Washington State Department of Ecology.

3. January 15, 2015. Email message from James Bet, The Boeing Company, to Robin Harrover and Neal Hines, Washington State Department of Ecology. Re: *Draft letter and schedule*. (Attachment: Draft 2015 schedule.)

4. January 27, 2015. Letter: *Groundwater Monitoring Results: September and December 2014, Auburn School District Warehouse Property Wells, Auburn, Washington*. From Jennifer Wynkoop, Landau Associates, to Michael Newman, Deputy Superintendent, Business and Operations, Auburn School District.

5. January 27, 2015. Letter: *Groundwater Monitoring Results, September and December 2014, City of Auburn Wells, Auburn Washington.* From Jennifer Wynkoop, Landau Associates, to Chris Thorn, Water Quality Program Coordinator, City of Auburn.

6. January 27, 2015. Letter: *Groundwater Monitoring Results, December 2014, Coastal Farm and Ranch Well, Auburn, Washington*. From Jennifer Wynkoop, Landau Associates, to Byron Baule, Operations Manager, Coastal Farm and Ranch. (Email only).

7. January 27, 2015. Letter: *Groundwater Monitoring Results: December 2014, Sentry Wells, Pacific, Washington.* From Jennifer Wynkoop, Landau Associates, to Lance Newkirk, Public Works Manager, City of Pacific.

8. January 27, 2015. Letter: *Groundwater Monitoring Results: December 2014, Boeing Wells on Fana Auburn 234 LLC Property, Auburn, Washington.* From Jennifer Wynkoop, Landau Associates, to John Powers, Fana Group of Companies.

9. January 27, 2015. Letter: *Groundwater Monitoring Results: December 2014, Boeing Wells on Fana Auburn LLC Property, Auburn, Washington.* From Jennifer Wynkoop, Landau Associates, to John Powers, Fana Group of Companies.

10. January 28, 2015. Letter: *Groundwater Monitoring Results, July and December 2014, Boeing Wells and Temporary Borings Along the Interurban Trail, Auburn and Algona, Washington*. From Jennifer Wynkoop, Landau Associates, to Kurt Krebs, Puget Sound Energy. (Sent February 3.)

11. January 30, 2015. Email from Robin Harrover, Washington State Department of Ecology, to James Bet, The Boeing Company. Re: *Ecology Letter to support Commercial Algona Property – Access Agreement and New Well Location Figure*. (Attachments: Ecology letter and figure showing proposed location for Boeing review.)

12. January 30, 2015. Email from Robin Harrover, Washington State Department of Ecology, to James Bet, The Boeing Company. Re: *Project Schedule*. (Attachment: Ecology edits to the 2015 project schedule.)

13. February 2, 2015. Letter*: Groundwater Monitoring Results, September and December 2014, WP Glimcher Wells, Auburn, Washington.* From Jennifer Wynkoop, Landau Associates, to Greg Fleser, General Manager, WP Glimcher.

14. February 3, 2015. Draft Report: *Agency Review Draft, Supplemental Remedial Investigation Work Plan, Winter 2015, Boeing Auburn Facility, Auburn, Washington*.

15. February 3, 2015. Email message from Jennifer Wynkoop, Landau Associates, to Robin Harrover and Neal Hines, Washington State Department of Ecology. Re: *BoA Figure Request – Updated Res VI Figures with December Data*. (Attachments: Updated figures showing exceedances of vapor intrusion groundwater screening levels in the Algona residential area.)

16. February 4, 2015. Email message from Jennifer Wynkoop, Landau Associates, to Robin Harrover, Washington State Department of Ecology. Re: *Ecology Letter to support Commercial Algona Property – Access Agreement and New Well Location Figure*. (Attachment: Landau Associates and Boeing comments on Ecology letter for 840 Industry Drive.)

17. February 9, 2015. Email message from Neal Hines, Washington State Department of Ecology, to James Bet, The Boeing Company, and Jennifer Wynkoop and Sarah Fees, Landau Associates. Re: *Clean-up levels, draft*.

18. February 10, 2015. Email message from Jennifer Wynkoop, Landau Associates, to Robin Harrover, Washington State Department of Ecology. Re: *840 Industry Drive well location*. (Attachment: Figure showing proposed well location of well on 840 Industry Drive property.)

19. February 11, 2015. Email message from James Bet, The Boeing Company, to Robin Harrover and Neal Hines, Washington State Department of Ecology. Re: *Final draft Boeing letter to 840 Industry Dr regarding new well*. (Attachment: Draft Boeing letter to be sent to 840 Industry Drive.)

20. February 12, 2015. Email message from Robin Harrover, Washington State Department of Ecology, to James Bet, The Boeing Company. Re: *Final Draft Ecology Letter – 840 Industry Dr Access Support*. (Attachment: Final draft letter to 840 Industry Dr from Ecology.)

21. February 12, 2015. Project conference call attended by representatives of The Boeing Company, Landau Associates and Washington State Department of Ecology. Re: *Clean-up Levels at Boeing Auburn*.

22. February 13, 2015. Email message from Sarah Fees, Landau Associates, to Robin Harrover, Washington State Department of Ecology. Re: *CMT Channel Selection – AGW242, AGW250, AGW251*. (Attachment: Time series plots and data for each well.)

23. February 13, 2015. Letter: *Groundwater Monitoring Results December 2014, U.S. General Services Administration Wells, Auburn, Washington*. From Jennifer Wynkoop, Landau Associates, to Richard Hall, Auburn Senior Property Manager, U.S. General Services Administration.

24. February 13, 2014. Letter: *Groundwater Monitoring Results, October and December 2014, Washington State Department of Transportation Wells, Auburn, Washington.* From Jennifer Wynkoop, Landau Associates, to Amir Ahmadi, Regional Materials Engineer, Washington State Department of Transportation.

25. February 13, 2015. Letter: *Monitoring Results, July, September and December 2014, City of Algona Wells and Chicago Avenue Ditch Sampling, Algona, Washington*. From Jennifer Wynkoop, Landau Associates, to David Hill, Mayor, City of Algona.

26. February 13, 2015. Letter: *Washington State Department of Ecology (Ecology) Request to Boeing for Groundwater Monitoring Well Installation at the Algona Distribution Center – B Property at 840 Industry Dr N, Algona, WA 98001*. From Robin Harrover, Washington State Department of Ecology, to Eileen Galarza, DCT Industrial.

27. February 16, 2015. Letter: *Access Request to DCT Industrial for the Purpose of Monitoring Well Installation and Sampling*. From James Bet, The Boeing Company, to Eileen Galarza, DCT Industrial.

28. February 17, 2015. Email message from Kamara Sams, The Boeing Company, to Thea Levkovitz, Washington State Department of Ecology. Re: *Soil Vapor and Groundwater Sampling Flyer/Wording*. (Attachments: Copy of soil vapor and groundwater sampling flyer for Tier I Commercial VI work and wording for "What's New" section of website.)

29. February 23, 2015. Letter: *Ecology conditional approval of the work plan: Draft Supplemental Remedial Investigation Work Plan, Winter 2015, Boeing Auburn Facility;*

prepared for the Boeing Company by Landau Associates; February 3,2015; FS #2018; CS #5049; EPA WAD041337130. From Robin Harrover, Washington State Department of Ecology, to James Bet, The Boeing Company.

30. February 24, 2015. Email message from Jennifer Wynkoop, Landau Associates, to Robin Harrover, Washington State Department of Ecology. Re: *Discussion about Algona Well Locations*. (Attachments: Figure showing all currently proposed locations, meeting notes from September 16th in-person meeting, figure of locations sent by Ecology.)

31. February 25, 2015. Draft Technical Memorandum: *Revised Leak Test and Sample Collection Procedure, Tier I Soil Gas Sampling, Boeing Auburn, Auburn, Washington*. From Jennifer Wynkoop, Landau Associates, to Neal Hines, Washington State Department of Ecology.

32. February 26, 2015. Email message from Robin Harrover, Washington State Department of Ecology, to James Bet, The Boeing Company. Re: *CMT Channel Selection – AGW242, AGW250, AGW251*.

33. February 26, 2015. Email message from Jennifer Wynkoop, Landau Associates, to Robin Harrover and Neal Hines, Washington State Department of Ecology. Re: *Maps to support our discussion about Location C today*. (Attachments: Flow lines in the intermediate zone and particle tracking figure for location C.)

34. February 26, 2015. Project conference call attended by representatives of The Boeing Company, Landau Associates, and Washington State Department of Ecology. Re: *Intermediate zone well in residential Algon*a.

35. February 27, 2015. Letter: *Ecology Approval of Revised Leak Test and Sample Collection Procedure Tier I Soil Gas Sampling. Boeing Auburn Facility by Landau Associates Inc. for the Boeing Company, dated February 25, 2014; FS #2018; CS #5049; EPA #WAD041337130*. From Neal Hines, Washington State Department of Ecology, to James Bet, The Boeing Company.

36. March 2, 2015. Technical Memorandum: *Revised Leak Test and Sample Collection Procedure, Tier I Soil Gas Sampling, Boeing Auburn, Auburn, Washington*. From Jennifer Wynkoop, Landau Associates, to Neal Hines, Washington State Department of Ecology.

37. March 3, 2015. Email message from Thea Levkovitz, Washington State Department of Ecology, to representative of The Boeing Company, City of Algona, City of Auburn, APAC. Re: *Your quick review*.

38. March 3, 2015. Letter: *Access Request to 851 Milwaukee Avenue North for the Purpose of A Groundwater Clean-up Action Pilot Test*. From James Bet, The Boeing Company, to Chuck Wiegman, JSH Properties, Inc.

39. March 4, 2015. Email message from Robin Harrover, Washington State Department of Ecology, to James Bet, The Boeing Company, and Jennifer Wynkoop, Landau Associates. Re: *Request for courtesy review – GW Well Drilling Flyer*.

40. March 5, 2015. Letter: *Algona Permit Extension for Groundwater Monitoring and Surface Water Monitoring*. From Jennifer Wynkoop, Landau Associates, to David Hill, Mayor, City of Algona.

41. March 6, 2015. Ecology website. *Soil-Air (Vapor) and Groundwater Sampling in Auburn and Algona Commercial Areas*. Found at: http://www.ecy.wa.gov/programs/hwtr/CleanupSites/boeing-fabn/WhatsNew.html.

42. March 9, 2015. Email message from Megan Hilfer, The Boeing Company, to Thea Levkovitz, Neal Hines, and Robin Harrover, Washington State Department of Ecology. Re: *Draft flyer for March drilling in Algona*. (Attachment: Draft drilling flyer prepared by Landau Associates.)

43. March 9, 2015. Letter: *Ecology approval of the report: Agency Review Draft, 2014 Algona Groundwater Investigation Report, Boeing Auburn Facility, Auburn, Washington; prepared for the Boeing Company by Landau Associates; December 18, 2014; FS #2018; CS #5049; EPA WAD041337130*. From Robin Harrover, Washington State Department of Ecology, to James Bet, The Boeing Company.

44. March 11, 2015. Email message from Thea Levkovitz, Washington State Department of Ecology, to representatives of The Boeing Company, City of Auburn, City of Algona, APAC, and Washington State Department of Ecology. Re: *Final Soil Gas commercial Flyer.* (Attachment: Final flyer being mailed to businesses in area of soil gas testing.)

45. March 12, 2015. Report: *Supplemental Remedial Investigation Work Plan, Winter 2015, Boeing Auburn Facility, Auburn, Washington*.

46. March 12, 2015. Email message from Neal Hines, Washington State Department of Ecology, to representatives of The Boeing Company and Washington State Department of Ecology. Re: *Boeing Auburn site, commercial Algona. Ecology – PACCAR communication.*

47. March 19, 2015. Email message from Thea Levkovitz, Washington State Department of Ecology, to representatives of The Boeing Company, City of Auburn, City of Algona, APAC, and Washington State Department of Ecology. Re: *Outreach updates for Boeing Auburn.* (Attachment: Informational Flyer for groundwater monitoring wells in Algona.)

48. March 19, 2015. Ecology Listserv (Boeing Fabrication Auburn Site): *New Groundwater Monitoring Wells in Algona*.

49. March 23, 2015. Email message from Thea Levkovitz, Washington State Department of Ecology, to Representatives of The Boeing Company, APAC, City of Algona, and City of Auburn. Re: *Boeing Auburn Site communication update*.

50. March 24, 2015. Project meeting attended by representatives of The Boeing Company, Landau Associates, Primus International, PCC Aerostructures, and JSH Properties, Inc. 851 Milwaukee Ave North, Algona, Washington. Re: *Boeing Property Access, 851 Milwaukee Avenue*.

51. March 26, 2015. Report: *2014 Algona Groundwater Investigation Report, Boeing Auburn Facility, Auburn, Washington*. Prepared for The Boeing Company. March 26.

52. March 27, 2015. Transmittal: *Boeing Auburn Facility – Groundwater Concentration and Elevation Contour Figures, December 2014 and January 2015*. From Jennifer Wynkoop, Landau Associates, to Robin Harrover and Neal Hines, Washington State Department of Ecology.

53. March 31, 2015. Email message from Sarah Fees, Landau Associates, to Robin Harrover, Washington State Department of Ecology. Re: *Phase VI Monitoring Well Network Figures*. (Attachment: Phase VI Monitoring well network separated by zone as of December 2014.)

The Auburn Agreed Order became effective on August 14, 2002. As required under Section VI.12 of the Auburn Agreed Order, The Boeing Company (Boeing) is providing Status Report No. 50, which covers the 3-month activity period of January through March 2015.

WORK CONDUCTED

General Site-wide Corrective Action Activities

On January 15, 2015, Landau Associates submitted Status Report No. 49 regarding fourth quarter 2014 activities to Washington State Department of Ecology (Ecology) and other stakeholders[1] for their records (Reference #2).

As part of various offsite monitoring well access agreements and right-of-way (ROW) permits, Boeing has agreed to provide semiannual groundwater data submittals. The following semiannual groundwater data submittals were distributed during first quarter 2015:

- Data for AGW237(D), AGW238(I), and AGW239(S) located on the Auburn School District warehouse property from the September and December 2014 sampling events to the Auburn School District (Reference #4)
- Data for 24 wells located on City of Auburn ROW from September and December 2014 sampling events to the City of Auburn (Reference #5)
- AGW236 data from the December 2014 sampling event to Coastal Farm and Ranch (Reference #6)
- Sentry well data from the December 2014 sampling event to the City of Pacific (Reference #7)
- AGW179(I) and AGW180(D) data from the December 2014 sampling event to Fana Auburn 234, LLC (Reference #8)
- AGW177(I) and AGW178(D) data from the December 2014 sampling events to Fana Auburn, LLC (Reference #9)
- Data for 9 borings and 16 wells located on the Interurban Trail from the July and December 2014 sampling events to Puget Sound Energy (Reference #10)
- Data for 17 wells located on The Outlet Collection property from the September and December 2014 sampling events to WP Glimcher (Reference #13)
- Data for AGW256(I), AGW257(S), and AGW258(S) from the December 2014 sampling event to U.S. General Services Administration (GSA; Reference #23)

[1] A list of stakeholders that receive paper copies of quarterly status reports are listed at the end of this document. Ecology also forwards quarterly status reports via email to representatives of the City of Algona, City of Auburn, City of Pacific, South King County Health Department, and Washington State Department of Health.

- Data for APP-057, APP-058, and APP-069 from the October and December 2014 sampling events to Washington State Department of Transportation (Reference #24)
- Data for 27 wells located on City of Algona ROW from the July, September, and December 2014 sampling events and the September and December 2014 surface water sample results from the Chicago Avenue ditch to the City of Algona (Reference #25).

Ecology project managers, Robin Harrover and Neal Hines, continued to attend regularly scheduled bi-weekly conference[2] calls with Boeing, Landau Associates, and the City of Algona's environmental consultant, ICF International (ICF). The primary purpose of these calls is to discuss technical aspects of the project scope and schedule, data results, and public outreach. Boeing and Ecology communication personnel also attend these calls. Meeting notes continue to be recorded and distributed by Landau Associates.

Boeing provided a draft 2015 project schedule to Ecology on January 15, 2015 (Reference #3). Ecology provided edits to the project schedule on January 30, 2015 (Reference #12). Boeing and Ecology continue to discuss the project schedule and Boeing updates the project document schedule during bi-weekly conference calls.

Site-wide Groundwater Model and Cleanup Levels

Boeing presented the draft site-wide numerical groundwater model to Ecology in the third quarter 2014. Boeing is continuing calibration of the site-wide numerical groundwater model. Boeing is preparing a numerical groundwater model report and plans to submit this to Ecology in the second quarter 2015.

On February 9, 2015, Ecology provided a clarification of cleanup levels at Boeing Auburn to Boeing (Reference #17). Boeing and Ecology had a meeting to discuss these cleanup levels on February 12, 2015 (Reference #21).

Site-wide Vapor Intrusion Assessment

Boeing submitted a 2nd revised draft of the site-wide Vapor Intrusion Evaluation and Assessment Approach report to Ecology in October 2014. Ecology provided comments on this document in December 2014. Boeing plans to finalize this document with Ecology comments in the second quarter 2015.

As recommended in the site-wide Vapor Intrusion Evaluation and Assessment Approach report, the Tier I shallow groundwater assessments will be updated periodically. On February 3, 2015, Boeing sent updated figures showing area of exceedances of vapor intrusion groundwater screening levels in the Algona residential area (Reference #15). These data were discussed during a biweekly conference call.

[2] A conference call did not occur on January 22 due to scheduling conflicts.

Commercial Vapor Intrusion Assessment

Boeing received final approval of the work plan for additional Tier I vapor intrusion assessment activities in commercial areas to Ecology on January 13, 2015 (Reference #1). The work plan included soil borings and collection of soil gas and shallow groundwater samples in City of Algona ROW, City of Auburn ROW, and on The Outlet Collection property. Boeing provided a revised leak test and sample collection procedure technical memorandum to Ecology for review on February 25, 2015 (Reference #31). Ecology provided approval of the revised procedure on February 27, 2015 (Reference #35). Boeing finalized the technical memorandum and distributed it on March 2, 2015 (Reference #36).

Permitting for the field work included a construction permit from the City of Auburn, a ROW Construction Permit from the City of Algona, and an access agreement from WP Glimcher for the work at The Outlet Collection. The Auburn construction permit was approved on February 13, 2015 and the Algona ROW construction permit was approved on February 12, 2015. The access agreement with WP Glimcher is still pending; work on The Outlet Collection property has been postponed until the access agreement is finalized. The access agreement is expected to be finalized in the second quarter of 2015.

In preparation for the Tier I commercial vapor intrusion field activities, Boeing sent a draft soil vapor and groundwater sampling flyer to Ecology on February 17, 2015 (Reference #28). Ecology provided new text for the flyer to Boeing for review on March 3, 2015 (Reference #37). Ecology provided the final flyer to Boeing on March 11, 2015 (Reference #44). Ecology mailed the flyer to businesses in the soil gas testing area and Boeing had the flyer available on a sandwich board during field activities.

Tier 1 soil gas and shallow groundwater sampling in City of Auburn and City of Algona ROW occurred between March 16 and March 18, 2015. Boeing plans to submit a report summarizing the additional Tier I commercial vapor intrusion field activities after field activities are completed at The Outlet Collection.

2015 Drilling Program

Boeing submitted a work plan for additional groundwater monitoring wells in Algona and Auburn to Ecology on February 3, 2015 (Reference #14). Ecology provided conditional approval of this work plan on February 23, 2015 (Reference #29). Additional discussion about one of the well locations between Ecology and Boeing occurred on February 26, 2015 (Reference #34). Additional information and figures were provided to prepare for this meeting via email (Reference #30 and #33). The work plan was finalized on March 12, 2015 (Reference #45).

Permitting for this field work included a ROW and construction permit from the City of Auburn, a ROW construction permit from the City of Algona, and an access agreement for one proposed well on

private property. The City of Auburn ROW permit was approved on February 19, 2015 and the construction permit was approved on February 17, 2015. The City of Algona construction permit was approved on February 18, 2015. The drilling activities at the private property are delayed until an access agreement can be completed. Communications with this private property are summarized below.

In preparation for the drilling activities, Ecology requested that Boeing prepare a draft drilling flyer (Reference #39). Boeing provided a draft drilling flyer to Ecology for review on March 9, 2015 (Reference #42). Ecology provided the final version of the drilling flyer to Boeing on March 19, 2015 (Reference #47). Ecology distributed flyers to residents in Algona in person on March 21, 2015. Ecology provided Boeing with a summary of these activities on March 23, 2014 (Reference #49). Boeing also had the flyers available on a sandwich board during drilling field activities.

Drilling and installation for monitoring wells on City of Auburn and City of Algona ROW were completed between March 23 and 30, 2015. Well development, initial well sampling, and surveying will be completed in the second quarter 2015.

Communications with the private property where one additional well is proposed included a letter from Ecology and a letter from Boeing introducing the project and providing information about the proposed well. Ecology provided a draft letter for Boeing review on January 30, 2015 (Reference #11). Boeing provided comments on this letter on February 4, 2015 (Reference #16). A figure with the proposed well location was provided to Ecology on February 10, 2015 (Reference #18). Ecology provided a final draft of changes to the letter for Boeing review on February 12, 2015 (Reference #20). Ecology sent a letter requesting the groundwater monitoring well installation on February 13, 2015 (Reference #26). Boeing provided the letter to send to the private property to Ecology for review on February 11, 2015 (Reference #19). Boeing sent the letter to the private property on February 16, 2015 (Reference #27).

2014 Auburn Drilling Program

Well drilling, installation, and development for the Auburn and GSA wells was completed in November 2014. During development, the deep channel screen of multi-level well AGW254 was not producing water. Boeing and Ecology determined that a replacement deep zone well was needed at this location. Boeing pursued a permit from the City of Auburn for this replacement well. The ROW permit was approved on February 19, 2015 and the construction permit was approved on February 17, 2015. The replacement deep zone well (AGW259) was drilled, installed, and developed between February 23 and 25, 2015. Initial sampling of this well occurred with the March 2015 quarterly sampling event. Boeing plans to submit a report summarizing the Auburn drilling and sampling activities, including the activities for the replacement well, in the second quarter 2015.

2014 Algona Drilling Program

Well drilling and installation and direct-push probe explorations for the 2014 Algona drilling program were completed in June and July 2014. Results were presented to Ecology in a draft 2014 Algona Groundwater Investigation report in December 2014. Ecology provided approval of the report on March 9, 2015 (Reference #43). Boeing finalized and distributed the report on March 26, 2015 (Reference #51).

Surface Water Sampling

The results of the 2014 surface water investigation will be presented in a report that Boeing plans to submit to Ecology in the second quarter 2015. Results from this investigation will be used to determine a surface water monitoring plan that will also be submitted to Ecology in the second quarter 2015.

Groundwater Level Monitoring

Synoptic water levels were collected from all wells in the monitoring well network between January 12 and 14, 2015. These water levels were used to update the site-wide groundwater elevation contour figures. These figures were submitted to Ecology with the concentration plume figures on March 27, 2015 (Reference #52).

Natural Attenuation Assessment

Natural attenuation assessment sampling activities in the Algona area were outlined in a work plan submitted to Ecology in November 2014. Sampling activities described in this work plan took place in conjunction with the December 2014 sampling event. Boeing plans to submit a natural attenuation assessment report discussing the results of the natural attenuation sampling to Ecology in the second quarter 2015.

Algona Pilot Test

In November 2014, Boeing and Ecology started initial discussions about a possible enhanced natural attenuation pilot test in Algona. Ecology gave a presentation to the Mayor of Algona on January 6, 2015 to discuss this possible pilot test. In preparation for this meeting, Boeing and Ecology discussed the presentation during a conference call on January 5, 2015. Boeing decided to pursue access with a private property along Milwaukee Avenue North for some of the pilot test activities. On March 3, 2015, Boeing sent a letter to the private property introducing the project and providing information about the proposed pilot test activities (Reference #38). Representatives of Boeing and the private property had a meeting regarding the proposed pilot test on March 24, 2015 (Reference #50). Boeing plans to submit a

preliminary work plan for an enhanced natural attenuation pilot test in Algona to Ecology in the second quarter 2015.

Groundwater Sampling

Boeing updated the groundwater concentration plume figures with the data from the December 2014 groundwater sampling. Boeing provided these figures to Ecology along with the groundwater elevation contour figures on March 27, 2015 (Reference #52). Boeing also provided Ecology with figures of the Phase VI groundwater monitoring well network for each zone as of the December 2014 sampling event on March 31, 2015 (Reference #53).

In preparation for the Phase VI quarterly groundwater sampling event, Boeing proposed continued sampling at select channels of three multi-level wells (AGW242, AGW250, and AGW251). Boeing provided Ecology with recommended channels for continued sampling on February 13, 2015 (Reference #22). Ecology provided comments on the channel selection on February 26, 2015 (Reference #32). The channels that were agreed upon between Boeing and Ecology were sampled during the March 2015 quarterly groundwater sampling event and were incorporated into the Phase VI groundwater monitoring plan.

Phase VI quarterly groundwater sampling took place from March 2 to March 5, 2015. The quarterly groundwater sampling data are provided in Attachment 1. The current monitoring well network is presented on Figure 1-1. A sampling matrix for the March 2015 quarterly sampling event is presented in Table 1-1. A complete summary of analytical results is presented in Table 1-2. Detections are summarized in Table 1-3.

Communications

In the first quarter 2015, Ecology posted one "What's New" update to the Ecology website. This update was a notification on March 6, 2015 about the upcoming soil vapor and groundwater sampling occurring in Auburn and Algona commercial areas (Reference #41). Ecology also sent an update on their listserv on March 19, 2015 about the upcoming drilling and installation of new monitoring wells in Algona (Reference #48).

City of Algona Communications

The City of Algona continues to be notified of all field work 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). Ecology also has communications conference calls with Mayor Hill (City of Algona) typically on a bi-weekly basis.

Ecology shares information from these meetings with Boeing by distributing meeting notes and discussions during project conference calls.

The City of Algona asked for a letter requesting an extension of the existing permits for groundwater and surface water monitoring activities in Algona. Boeing provided this letter to the City of Algona on March 5, 2015 (Reference #40).

The Algona Public Awareness Coalition (APAC) completed the Groundwater 101 community meeting on January 13, 2015. APAC also had an event in commercial Algona on Milwaukee Avenue North on March 18, 2015. Ecology had additional discussions from a business in commercial Algona and shared this discussion with Boeing on March 12, 2015 (Reference #46).

City of Auburn Communications

Conference calls with the City of Auburn continue to occur monthly. Regular attendees include representatives from Boeing, Landau Associates, the City of Auburn, and Ecology. Meeting notes continue to be recorded and distributed by Landau Associates.

OCCURRENCE OF PROBLEMS

Three well monuments (AGW076, AGW174, and AGW207) required replacement during the first quarter 2015; all three were replaced on February 4, 2015. All three monuments are scheduled to be resurveyed in the second quarter 2015.

PROJECTED WORK FOR NEXT REPORTING PERIOD APRIL THROUGH JUNE 2015

Activities projected for the next reporting period pertain to the ongoing remedial investigation including groundwater, vapor intrusion, and surface water investigations. Tasks during second quarter 2015 are expected to include:

- Submitting the 2014 surface water investigation report
- Submitting the surface water monitoring work plan
- Finalizing the site-wide vapor intrusion assessment and approach report
- Completing additional Tier I commercial vapor intrusion sampling
- Submitting the Tier II commercial vapor intrusion assessment work plan
- Completing Tier II commercial vapor intrusion sampling
- Submitting the Algona natural attenuation assessment report
- Submitting a work plan for an enhanced natural attenuation pilot test in Algona
- Submitting a report for the 2014 Auburn groundwater investigations
- Collecting initial groundwater samples from newly installed wells in April 2015
- Conducting the annual groundwater sampling event in June 2015.

OTHER SIGNIFICANT FINDINGS, CHANGES, AND CONTACTS

Glimcher, the owner of The Outlet Collection, completed a merger in the first quarter 2015. The official corporate name is now WP Glimcher. The contact person, Greg Fleser, at The Outlet Collection remains the same.

If you have any questions regarding this status report, or need any other information, please do not hesitate to call or email Jim Bet (206) 679-0433 or me (253) 284-4879.

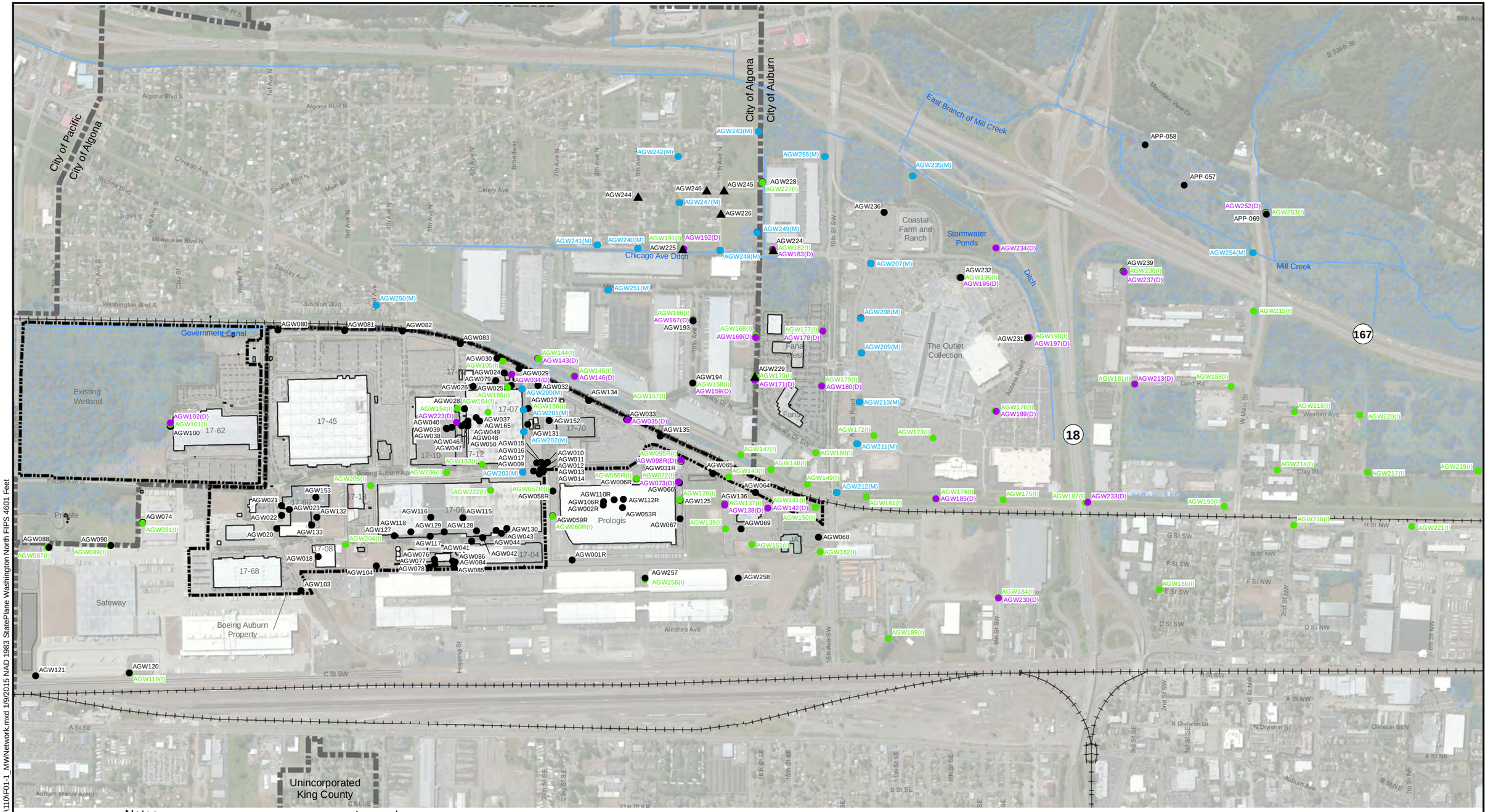
LANDAU ASSOCIATES, INC.

Jennifer W. Wynkoop
Senior Associate Scientist

SEF/JWW/jrc

Attachment: Groundwater Sampling Results

cc: James Bet, The Boeing Company (email only)
David Hartnett, The Boeing Company (email only)
Megan Hilfer, The Boeing Company (email only)
Nathan Jones, The Boeing Company (email only)
Jim Swortz, The Boeing Company
Jeff Adelson, Boeing Realty Corporation
Neil Smolen, Newmark (email only)
Steve Campbell, Prologis
Neal Hines, Washington State Department of Ecology (email only)
Terry Pollard, YMCA Auburn



Notes

1. Well designations beginning with APP are installed and owned by WSDOT.
2. 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
- Wetland Areas
- Water Bodies
- Waterways

N

0 1,000 2,000

Scale in Feet

Base map source: Geometrix 2003; Aerial Photo Source: ESRI World Imagery; Parcel Data Source: King County GIS 2012

LANDAU ASSOCIATES

Boeing Auburn
Auburn, Washington

Current Monitoring Well Network

Figure 1-1

G:\Projects\025\164\110\F01-1_MWNetwork.mxd 1/9/2015 NAD 1983 StatePlane Washington North FIPS 4601 Feet

ATTACHMENT 1

Groundwater Sampling Results

TABLE 1-1
SAMPLE MATRIX
1st QUARTER 2015
BOEING AUBURN

Location	SDG	Lab ID	Sample Date	VOCs	PCE SIM	VC SIM
AGW183	1542705	7791897	3/2/2015	x		
AGW191	1542705	7791888	3/2/2015	x		
AGW192	1542705	7791889	3/2/2015	x		
AGW215	1542704	7791879	3/2/2015	x	x	
AGW225	1543369	7795094	3/5/2015	x		x
AGW226	1543566	7796044	3/3/2015	x		x
AGW227	1542704	7791875	3/2/2015	x		x
AGW228	1542705	7791898	3/2/2015	x		x
AGW235-2	1543528	7795901	3/4/2015	x		
AGW235-4	1543528	7795902	3/4/2015	x		
AGW237	1542704	7791878	3/2/2015	x	x	x
AGW238	1542704	7791877	3/2/2015	x	x	x
AGW239	1542704	7791876	3/2/2015	x	x	x
AGW240-1	1543566	7796049	3/3/2015	x	x	x
AGW240-3	1543566	7796050	3/3/2015	x	x	x
AGW240-5	1543528	7795903	3/4/2015	x	x	x
AGW241-1	1542705	7791894	3/2/2015	x	x	x
AGW241-3	1542705	7791895	3/2/2015	x	x	x
AGW241-5	1542705	7791896	3/2/2015	x	x	x
AGW242-1	1543528	7795907	3/4/2015	x	x	x
AGW242-2	1543528	7795906	3/4/2015	x	x	x
AGW242-5	1543528	7795905	3/4/2015	x	x	x
AGW242-5-Dup	1543528	7795904	3/4/2015	x	x	x
AGW243-1	1542705	7791890	3/2/2015	x	x	x
AGW243-3	1542705	7791891	3/2/2015	x	x	x
AGW243-3-Dup	1542705	7791892	3/2/2015	x	x	x
AGW243-5	1542705	7791893	3/2/2015	x	x	x
AGW244	1543566	7796045	3/3/2015	x	x	x
AGW245	1543369	7795093	3/5/2015	x	x	x
AGW246	1543369	7795095	3/5/2015	x	x	x
AGW247-1	1543527	7795895	3/4/2015	x	x	x
AGW247-3	1543527	7795896	3/4/2015	x	x	x
AGW247-5	1543527	7795897	3/4/2015	x	x	x
AGW248-1	1543566	7796041	3/3/2015	x	x	x
AGW248-3	1543566	7796042	3/3/2015	x	x	x
AGW248-5	1543566	7796043	3/3/2015	x	x	x
AGW249-1	1543566	7796048	3/3/2015	x	x	x
AGW249-3	1543566	7796047	3/3/2015	x	x	x
AGW249-5	1543566	7796046	3/3/2015	x	x	x
AGW250-1	1543560	7796015	3/3/2015	x	x	x
AGW250-2	1543560	7796016	3/3/2015	x	x	x
AGW250-2-Dup	1543560	7796017	3/3/2015	x	x	x
AGW250-3	1543560	7796018	3/3/2015	x	x	x
AGW250-6	1543560	7796019	3/3/2015	x	x	x
AGW251-1	1543560	7796020	3/3/2015	x	x	x
AGW251-2	1543560	7796021	3/3/2015	x	x	x
AGW251-3	1543560	7796022	3/3/2015	x	x	x
AGW251-6	1543560	7796023	3/3/2015	x	x	x
AGW252	1542704	7791880	3/2/2015	x	x	x
AGW253	1542704	7791881	3/2/2015	x	x	x
AGW254-1	1543527	7795890	3/4/2015	x	x	x
AGW254-2	1543527	7795889	3/4/2015	x	x	x
AGW254-3	1543527	7795891	3/4/2015	x	x	x

TABLE 1-1
SAMPLE MATRIX
1st QUARTER 2015
BOEING AUBURN

Location	SDG	Lab ID	Sample Date	VOCs	PCE SIM	VC SIM
AGW254-4	1543527	7795892	3/4/2015	x	x	x
AGW254-5	1543527	7795893	3/4/2015	x	x	x
AGW254-6	1543527	7795894	3/4/2015	x	x	x
AGW255-1	1543560	7796012	3/3/2015	x	x	x
AGW255-3	1543560	7796013	3/3/2015	x	x	x
AGW255-5	1543560	7796014	3/3/2015	x	x	x
AGW256	1542704	7791886	3/2/2015	x	x	x
AGW257	1542704	7791884	3/2/2015	x	x	x
AGW257-Dup	1542704	7791885	3/2/2015	x	x	x
AGW258	1542704	7791883	3/2/2015	x	x	x
AGW259	1543368	7795090	3/5/2015	x	x	x
APP-057	1543528	7795899	3/4/2015	x	x	x
APP-058	1543528	7795900	3/4/2015	x	x	x
APP-069	1542704	7791882	3/2/2015	x	x	x

TABLE 1-2
GROUNDWATER SAMPLING EVENT RESULTS
1st QUARTER 2015
BOEING AUBURN

Sample ID:	APP-057	APP-058	APP-069	AGW183	AGW191	AGW192	AGW215	AGW225
Zone:	Shallow	Shallow	Shallow	Deep	Int.	Deep	Int.	Water Table
SDG:	1543528	1543528	1542704	1542705	1542705	1542705	1542704	1543369
Lab ID:	7795899	7795900	7791882	7791897	7791888	7791889	7791879	7795094
Sample Date:	3/4/2015	3/4/2015	3/2/2015	3/2/2015	3/2/2015	3/2/2015	3/2/2015	3/5/2015
VOLATILES (µg/L)								
Method SW8260C								
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
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**5.4**
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
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
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**2.1**
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VOLATILES (µg/L)								
Method 8260C SIM								
Tetrachloroethene	0.020 U	0.020 U	0.020 U				0.020 U	
Vinyl Chloride	0.020 U	0.020 U	0.020 U					**0.45**

TABLE 1-2
GROUNDWATER SAMPLING EVENT RESULTS
1st QUARTER 2015
BOEING AUBURN

Sample ID:	AGW226	AGW227	AGW228	AGW235-2	AGW235-4	AGW237	AGW238	AGW239
Zone:	Water Table	Int.	Shallow	Shallow	Int.	Deep	Int.	Shallow
SDG:	1543566	1542704	1542705	1543528	1543528	1542704	1542704	1542704
Lab ID:	7796044	7791875	7791898	7795901	7795902	7791878	7791877	7791876
Sample Date:	3/3/2015	3/2/2015	3/2/2015	3/4/2015	3/4/2015	3/2/2015	3/2/2015	3/2/2015
VOLATILES (µg/L)								
Method SW8260C								
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
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	**0.7**	0.5 U	**0.6**	0.5 U	**0.5**
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	**0.3**	**0.3**	**1.0**	0.2 U	**0.3**
cis-1,2-Dichloroethene	**3.6**	**2.8**	**3.1**	**2.7**	**6.6**	**1.0**	0.2 U	**9.0**
trans-1,2-Dichloroethene	**0.4**	**0.3**	**0.4**	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
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
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	**4.4**	**2.5**	**2.7**	0.2 U	**5.2**	**3.0**	0.2 U	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	**0.6**	**0.3**	**0.3**	**0.9**	0.2 U	0.2 U	0.2 U	**0.9**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VOLATILES (µg/L)								
Method 8260C SIM								
Tetrachloroethene						**0.035**	0.020 U	0.020 U
Vinyl Chloride	**0.51**	**0.26**	**0.28**			**0.039**	0.020 U	**0.77**

TABLE 1-2
GROUNDWATER SAMPLING EVENT RESULTS
1st QUARTER 2015
BOEING AUBURN

Sample ID:	AGW240-1	AGW240-3	AGW240-5	AGW241-1	AGW241-3	AGW241-5	AGW242-1	AGW242-2
Zone:	Water Table	Shallow	Shallow	Water Table	Shallow	Shallow	Water Table	Shallow
SDG:	1543566	1543566	1543528	1542705	1542705	1542705	1543528	1543528
Lab ID:	7796049	7796050	7795903	7791894	7791895	7791896	7795907	7795906
Sample Date:	3/3/2015	3/3/2015	3/4/2015	3/2/2015	3/2/2015	3/2/2015	3/4/2015	3/4/2015
VOLATILES (µg/L)								
Method SW8260C								
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
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	**0.2**	**5.3**	0.2 U	**0.6**	**0.5**	0.2 U	0.2 U
trans-1,2-Dichloroethene	**0.2**	0.2 U	**0.6**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
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
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	**1.1**	**2.7**	**4.5**	0.2 U	0.2 U	0.2 U	**0.4**	0.2 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VOLATILES (µg/L)								
Method 8260C SIM								
Tetrachloroethene	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Vinyl Chloride	**0.95**	**2.4**	**3.8**	0.020 U	**0.022**	0.020 U	**0.30**	0.020 U

TABLE 1-2
GROUNDWATER SAMPLING EVENT RESULTS
1st QUARTER 2015
BOEING AUBURN

		Dup of AGW242-5			Dup of AGW243-3			
Sample ID:	AGW242-5	AGW903	AGW243-1	AGW243-3	AGW902	AGW243-5	AGW244	AGW245
Zone:	Int.	Int.	Shallow	Shallow	Shallow	Shallow	Water Table	Water Table
SDG:	1543528	1543528	1542705	1542705	1542705	1542705	1543566	1543369
Lab ID:	7795905	7795904	7791890	7791892	7791891	7791893	7796045	7795093
Sample Date:	3/4/2015	3/4/2015	3/2/2015	3/2/2015	3/2/2015	3/2/2015	3/3/2015	3/5/2015
VOLATILES (µg/L)								
Method SW8260C								
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
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
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
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VOLATILES (µg/L)								
Method 8260C SIM								
Tetrachloroethene	0.020 U	0.020 U	**0.022**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Vinyl Chloride	0.020 U	0.020 U	**0.075**	0.020 U	0.020 U	0.020 U	0.020 U	**0.038**

TABLE 1-2
GROUNDWATER SAMPLING EVENT RESULTS
1st QUARTER 2015
BOEING AUBURN

Sample ID:	AGW246	AGW247-1	AGW247-3	AGW247-5	AGW248-1	AGW248-3	AGW248-5	AGW249-1
Zone:	Water Table	Water Table	Shallow	Shallow	Water Table	Shallow	Shallow	Water Table
SDG:	1543369	1543527	1543527	1543527	1543566	1543566	1543566	1543566
Lab ID:	7795095	7795895	7795896	7795897	7796041	7796042	7796043	7796048
Sample Date:	3/5/2015	3/4/2015	3/4/2015	3/4/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015
VOLATILES (µg/L)								
Method SW8260C								
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	**21**	5.0 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	**0.2**	**0.3**	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	**4.7**	**7.2**	**6.0**	0.2 U	**2.1**	**2.0**	**0.5**
trans-1,2-Dichloroethene	0.2 U	**0.4**	**0.9**	**0.7**	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
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
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**5.2**	**4.6**	**0.4**
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	**0.4**	**1.0**	**1.6**	0.2 U	**0.2**	**0.2**	**1.0**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**
VOLATILES (µg/L)								
Method 8260C SIM								
Tetrachloroethene	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.11**	**0.10**	0.020 U
Vinyl Chloride	0.020 U	**0.38**	**0.87**	**1.4**	**0.088**	**0.20**	**0.19**	**0.80**

TABLE 1-2
GROUNDWATER SAMPLING EVENT RESULTS
1st QUARTER 2015
BOEING AUBURN

				Dupof AGW250-2				
Sample ID:	AGW249-3	AGW249-5	AGW250-1	AGW250-2	AGW901	AGW250-3	AGW250-6	AGW251-1
Zone:	Shallow	Shallow	Water Table	Shallow	Shallow	Int.	Deep	Water Table
SDG:	1543566	1543566	1543560	1543560	1543560	1543560	1543560	1543560
Lab ID:	7796047	7796046	7796015	7796016	7796017	7796018	7796019	7796020
Sample Date:	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015
VOLATILES (µg/L)								
Method SW8260C								
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
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	**2.4**	**2.3**	0.2 U	**0.3**	**0.3**	**0.8**	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	**0.2**	0.2 U	0.2 U	0.2 U	**0.2**	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
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
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	**6.5**	**7.2**	0.2 U	**0.3**	**0.3**	**0.6**	0.2 U	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.6**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VOLATILES (µg/L)								
Method 8260C SIM								
Tetrachloroethene	**0.11**	**0.12**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Vinyl Chloride	**0.14**	**0.11**	0.020 U	**0.028**	**0.029**	**0.042**	0.020 U	**0.58**

TABLE 1-2
GROUNDWATER SAMPLING EVENT RESULTS
1st QUARTER 2015
BOEING AUBURN

Sample ID:	AGW251-2	AGW251-3	AGW251-6	AGW252	AGW253	AGW254-1	AGW254-2	AGW254-3
Zone:	Shallow	Int.	Deep	Int.	Shallow	Shallow	Shallow	Shallow
SDG:	1543560	1543560	1543560	1542704	1542704	1543527	1543527	1543527
Lab ID:	7796021	7796022	7796023	7791880	7791881	7795890	7795889	7795891
Sample Date:	3/3/2015	3/3/2015	3/3/2015	3/2/2015	3/2/2015	3/4/2015	3/4/2015	3/4/2015
VOLATILES (µg/L)								
Method SW8260C								
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**5.7**
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**7.8**	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	**1.1**	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	**0.5**	**3.6**	**0.5**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
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
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	**0.2**	0.2 U	0.2 U	**0.4**	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	**6.0**	**5.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VOLATILES (µg/L)								
Method 8260C SIM								
Tetrachloroethene	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Vinyl Chloride	**5.7**	**4.9**	**0.13**	0.020 U	0.020 U	0.020 U	**0.028**	0.020 U

TABLE 1-2
GROUNDWATER SAMPLING EVENT RESULTS
1st QUARTER 2015
BOEING AUBURN

Sample ID:	AGW254-4	AGW254-5	AGW254-6	AGW255-1	AGW255-3	AGW255-5	AGW256	AGW257
Zone:	Int.	Int.	Int.	Shallow	Shallow	Int.	Int.	Shallow
SDG:	1543527	1543527	1543527	1543560	1543560	1543560	1542704	1542704
Lab ID:	7795892	7795893	7795894	7796012	7796013	7796014	7791886	7791884
Sample Date:	3/4/2015	3/4/2015	3/4/2015	3/3/2015	3/3/2015	3/3/2015	3/2/2015	3/2/2015
VOLATILES (µg/L)								
Method SW8260C								
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
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	**2.5**	**1.4**	**0.7**	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
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
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**
Toluene	0.2 U	0.2 U	0.2 U	**1.4**	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	**0.5**	0.2 U	0.2 U	**0.7**	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	**0.3**	**0.2**	0.2 U	0.2 U	0.2 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VOLATILES (µg/L)								
Method 8260C SIM								
Tetrachloroethene	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.45**
Vinyl Chloride	0.020 U	0.020 U	0.020 U	**0.25**	**0.20**	**0.16**	0.020 U	0.020 U

TABLE 1-2
GROUNDWATER SAMPLING EVENT RESULTS
1st QUARTER 2015
BOEING AUBURN

	Dup of AGW257		
Sample ID:	AGW900	AGW258	AGW259
Zone:	Shallow	Shallow	Deep
SDG:	1542704	1542704	1543368
Lab ID:	7791885	7791883	7795090
Sample Date:	3/2/2015	3/2/2015	3/5/2015
VOLATILES (µg/L)			
Method SW8260C			
Acetone	5.0 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U
2-Butanone	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U
2-Hexanone	5.0 U	5.0 U	5.0 U
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U
Tetrachloroethene	**0.5**	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U
m,p-Xylene	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U
VOLATILES (µg/L)			
Method 8260C SIM			
Tetrachloroethene	**0.44**	0.020 U	0.020 U
Vinyl Chloride	0.020 U	0.020 U	0.020 U

Bold = Detected compound.
U = Indicates the compound was undetected at the reported concentration.
UJ = The analyte was not detected in the sample; the reported sample reporting limit is an estimate.

TABLE 1-3
QUARTERLY GROUNDWATER SAMPLING EVENT RESULTS - DETECTED ANALYTES ONLY
1st QUARTER 2015
BOEING AUBURN

Sample ID:	APP-057	APP-058	APP069	AGW183	AGW191	AGW192	AGW215	AGW225	AGW226	AGW227	AGW228
Zone:	Shallow	Shallow	Shallow	Deep	Int.	Deep	Int.	Water Table	Water Table	Int.	Shallow
SDG:	1543528	1543528	1542704	1542705	1542705	1542705	1542704	1543369	1543566	1542704	1542705
Lab ID:	7795899	7795900	7791882	7791897	7791888	7791889	7791879	7795094	7796044	7791875	7791898
Sample Date:	3/4/2015	3/4/2015	3/2/2015	3/2/2015	3/2/2015	3/2/2015	3/2/2015	3/5/2015	3/3/2015	3/2/2015	3/2/2015
VOLATILES (µg/L)											
Method SW8260C											
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
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**5.4**	**3.6**	**2.8**	**3.1**
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**	**0.4**	**0.3**	**0.4**
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**2.1**	**4.4**	**2.5**	**2.7**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VOLATILES (µg/L)											
Method 8260C SIM											
Tetrachloroethene	0.020 U	0.020 U	0.020 U				0.020 U				
Vinyl Chloride	0.020 U	0.020 U	0.020 U					**0.45**	**0.51**	**0.26**	**0.28**

TABLE 1-3
QUARTERLY GROUNDWATER SAMPLING EVENT RESULTS - DETECTED ANALYTES ONLY
1st QUARTER 2015
BOEING AUBURN

Sample ID:	AGW235-2	AGW235-4	AGW237	AGW238	AGW239	AGW240-1	AGW240-3	AGW240-5	AGW241-1	AGW241-3	AGW241-5	AGW242-1
Zone:	Shallow	Int.	Deep	Int.	Shallow	Water Table	Shallow	Shallow	Water Table	Shallow	Shallow	Water Table
SDG:	1543528	1543528	1542704	1542704	1542704	1543566	1543566	1543528	1542705	1542705	1542705	1543528
Lab ID:	7795901	7795902	7791878	7791877	7791876	7796049	7796050	7795903	7791894	7791895	7791896	7795907
Sample Date:	3/4/2015	3/4/2015	3/2/2015	3/2/2015	3/2/2015	3/3/2015	3/3/2015	3/4/2015	3/2/2015	3/2/2015	3/2/2015	3/4/2015
VOLATILES (µg/L)												
Method SW8260C												
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
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	**0.7**	0.5 U	**0.6**	0.5 U	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	**0.3**	**0.3**	**1.0**	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	**2.7**	**6.6**	**1.0**	0.2 U	**9.0**	0.2 U	**0.2**	**5.3**	0.2 U	**0.6**	**0.5**	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**	**0.2**	0.2 U	**0.6**	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	**5.2**	**3.0**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VOLATILES (µg/L)												
Method 8260C SIM												
Tetrachloroethene			**0.035**	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
Vinyl Chloride			**0.039**	0.020 U	**0.77**	**0.95**	**2.4**	**3.8**	0.020 U	**0.022**	0.020 U	**0.30**

TABLE 1-3
QUARTERLY GROUNDWATER SAMPLING EVENT RESULTS - DETECTED ANALYTES ONLY
1st QUARTER 2015
BOEING AUBURN

			Dup of AGW242-5			Dup of AGW243-3							
Sample ID:	AGW242-2	AGW242-5	AGW903	AGW243-1	AGW243-3	AGW902	AGW243-5	AGW244	AGW245	AGW246	AGW247-1	AGW247-3
Zone:	Shallow	Int.	Int.	Shallow	Shallow	Shallow	Shallow	Water Table	Water Table	Water Table	Water Table	Shallow
SDG:	1543528	1543528	1543528	1542705	1542705	1542705	1542705	1543566	1543369	1543369	1543527	1543527
Lab ID:	7795906	7795905	7795904	7791890	7791892	7791891	7791893	7796045	7795093	7795095	7795895	7795896
Sample Date:	3/4/2015	3/4/2015	3/4/2015	3/2/2015	3/2/2015	3/2/2015	3/2/2015	3/3/2015	3/5/2015	3/5/2015	3/4/2015	3/4/2015
VOLATILES (µg/L)												
Method SW8260C												
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
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	**0.3**
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**4.7**	**7.2**
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	**0.9**
Toluene	**0.5**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VOLATILES (µg/L)												
Method 8260C SIM												
Tetrachloroethene	0.020 U	0.020 U	0.020 U	**0.022**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Vinyl Chloride	0.020 U	0.020 U	0.020 U	**0.075**	0.020 U	0.020 U	0.020 U	0.020 U	**0.038**	0.020 U	**0.38**	**0.87**

TABLE 1-3
QUARTERLY GROUNDWATER SAMPLING EVENT RESULTS - DETECTED ANALYTES ONLY
1st QUARTER 2015
BOEING AUBURN

Sample ID:	AGW247-5	AGW248-1	AGW248-3	AGW248-5	AGW249-1	AGW249-3	AGW249-5	AGW250-1	AGW250-2	Du
Zone:	Shallow	Water Table	Shallow	Shallow	Water Table	Shallow	Shallow	Water Table	Shallow	
SDG:	1543527	1543566	1543566	1543566	1543566	1543566	1543566	1543560	1543560	
Lab ID:	7795897	7796041	7796042	7796043	7796048	7796047	7796046	7796015	7796016	
Sample Date:	3/4/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	
VOLATILES (µg/L)										
Method SW8260C										
Acetone	5.0 U	**21**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Carbon Disulfide	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
1,2-Dichloroethane	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	
cis-1,2-Dichloroethene	**6.0**	0.2 U	**2.1**	**2.0**	**0.5**	**2.4**	**2.3**	0.2 U	**0.3**	
trans-1,2-Dichloroethene	**0.7**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	0.2 U	0.2 U	
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	
Trichloroethene	0.2 U	0.2 U	**5.2**	**4.6**	**0.4**	**6.5**	**7.2**	0.2 U	**0.3**	
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	
VOLATILES (µg/L)										
Method 8260C SIM										
Tetrachloroethene	0.020 U	0.020 U	**0.11**	**0.10**	0.020 U	**0.11**	**0.12**	0.020 U	0.020 U	
Vinyl Chloride	**1.4**	**0.088**	**0.20**	**0.19**	**0.80**	**0.14**	**0.11**	0.020 U	**0.028**	

TABLE 1-3
QUARTERLY GROUNDWATER SAMPLING EVENT RESULTS - DETECTED ANALYTES ONLY
1st QUARTER 2015
BOEING AUBURN

	bof AGW250-2										
Sample ID:	AGW901	AGW250-3	AGW250-6	AGW251-1	AGW251-2	AGW251-3	AGW251-6	AGW252	AGW253	AGW254-1	AGW254-2
Zone:	Shallow	Int.	Deep	Water Table	Shallow	Int.	Deep	Int.	Shallow	Shallow	Shallow
SDG:	1543560	1543560	1543560	1543560	1543560	1543560	1543560	1542704	1542704	1543527	1543527
Lab ID:	7796017	7796018	7796019	7796020	7796021	7796022	7796023	7791880	7791881	7795890	7795889
Sample Date:	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/2/2015	3/2/2015	3/4/2015	3/4/2015
VOLATILES (µg/L)											
Method SW8260C											
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
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**7.8**	5.0 U
Carbon Disulfide	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.8**	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**1.1**	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	**0.3**	**0.8**	0.2 U	0.2 U	**0.5**	**3.6**	**0.5**	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	**0.2**	0.2 U	0.2 U	0.2 U	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	0.2 U	0.2 U	**0.4**	0.2 U
Trichloroethene	**0.3**	**0.6**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VOLATILES (µg/L)											
Method 8260C SIM											
Tetrachloroethene	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
Vinyl Chloride	**0.029**	**0.042**	0.020 U	**0.58**	**5.7**	**4.9**	**0.13**	0.020 U	0.020 U	0.020 U	**0.028**

TABLE 1-3
QUARTERLY GROUNDWATER SAMPLING EVENT RESULTS - DETECTED ANALYTES ONLY
1st QUARTER 2015
BOEING AUBURN

Sample ID:	AGW254-3	AGW254-4	AGW254-5	AGW254-6	AGW255-1	AGW255-3	AGW255-5	AGW256	AGW257	Dup of AGW257 AGW900	AGW258	AGW259
Zone:	Shallow	Int.	Int.	Int.	Shallow	Shallow	Int.	Int.	Shallow	Shallow	Shallow	Deep
SDG:	1543527	1543527	1543527	1543527	1543560	1543560	1543560	1542704	1542704	1542704	1542704	1543368
Lab ID:	7795891	7795892	7795893	7795894	7796012	7796013	7796014	7791886	7791884	7791885	7791883	7795090
Sample Date:	3/4/2015	3/4/2015	3/4/2015	3/4/2015	3/3/2015	3/3/2015	3/3/2015	3/2/2015	3/2/2015	3/2/2015	3/2/2015	3/5/2015
VOLATILES (µg/L)												
Method SW8260C												
Acetone	**5.7**	5.0 U	5.0 U	5.0 U	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-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	**2.5**	**1.4**	**0.7**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	**1.4**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**	0.2 U	0.2 U	**0.7**	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VOLATILES (µg/L)												
Method 8260C SIM												
Tetrachloroethene	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.45**	**0.44**	0.020 U	0.020 U
Vinyl Chloride	0.020 U	0.020 U	0.020 U	0.020 U	**0.25**	**0.20**	**0.16**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U

Bold = Detected compound.

U = Indicates the compound was undetected at the reported concentration.

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