

August 8, 2016

Washington State Department of Ecology
3190 160th Avenue SE
Bellevue, WA 98008-5452

Attn: Ms. Robin Harrover

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

**Re: June 2016 Data Submittal
Boeing Auburn Facility
Auburn, Washington
Project No. 0025164.130.501**

Dear Ms. Harrover:

This data submittal is provided to supplement Status Report No. 55 (LAI 2016) with the data from the June 2016 groundwater sampling event and a summary of the pilot test sampling results.

Groundwater Sampling

The June annual groundwater sampling event was completed according to the Phase VII groundwater monitoring plan and sampling at selected locations with passive diffusion bag samplers. In addition, one-time analysis for evaluation of natural attenuation occurred during the June annual groundwater sampling event.

The annual groundwater sampling data are provided in Attachment 1. The current monitoring well network is presented on Figure 1-1. A sampling matrix for the June 2016 annual sampling event is presented in Table 1-1. A complete summary of analytical results is presented in Table 1-2. Detected compounds are summarized in Table 1-3.

Algonia Enhanced Natural Attenuation Pilot Test

The enhanced natural attenuation pilot test injection began on August 17, 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 June 2016 sampling event was the third 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 enhanced bioremediation were detected at the three monitored injection wells (IW34, IW36, and IW37) and at five downgradient wells (AGW269, AGW270, AGW271, AGW240-5, and AGW275). Wells AGW240-5 and AGW275 are located west of the Primus building and more than 300 ft downgradient of injection wells. The indications of enhanced bioremediation consist of increases in total organic carbon (TOC) above baseline [baseline concentrations were less than 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. In June 2016, TOC concentrations, indicating the presence of electron donor, were above baseline and ranged from 11.4 to 3,840 mg/L at injection wells and at two downgradient monitoring wells (AGW270 and AGW271). At monitoring wells AGW269 and AGW275, TOC concentrations have declined back to baseline (8.2 mg/L and 7.9 mg/L, respectively). However, these two wells continue to have other indications of enhanced bioremediation including increasing methane concentrations and shifts in the concentrations of TCE and breakdown products.

In June 2016, methane concentrations (ranging from 11 to 29 mg/L) indicated enhanced aquifer redox conditions were present at all eight wells listed above. Redox conditions indicated by the substantial methane concentrations are desired for complete reductive dechlorination. Enhanced aquifer redox conditions are also indicated by shifts in concentrations of TCE and breakdown products. Increases in TCE and/or cis-1,2-dichloroethene observed at some of these wells is consistent with enhanced desorption of contaminant mass from the aquifer matrix. This enhanced desorption is due to a combination of aquifer disturbance during injection, surfactant effects of the injected donor substrates, and surfactant effects of enhanced biological activity (i.e., biosurfactants). Changes in vinyl chloride and detections of end products ethene and/or ethane have occurred at these wells following injection indicating complete reductive dechlorination. Ethene and ethane, which indicate complete reductive dechlorination, were not detected during baseline sampling at these wells, except at AGW240-5.

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

LANDAU ASSOCIATES, INC.



Jennifer Wynkoop
Senior Associate Scientist

SEF/JWW/jrc

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cc: James Bet, The Boeing Company (email only)
Steve Tochko, The Boeing Company (email only)

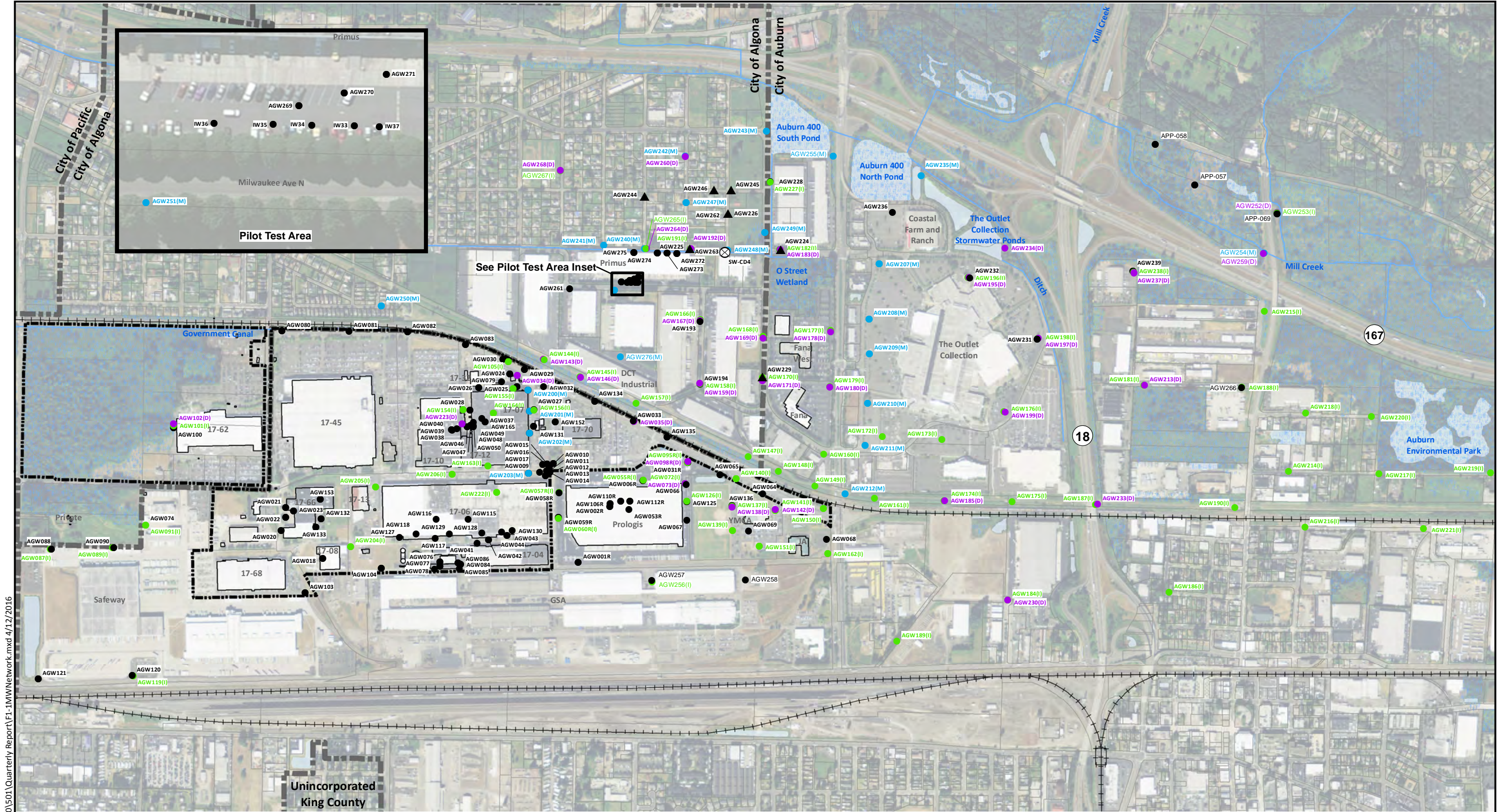
Megan Hilfer, The Boeing Company (email only)
Nathan Jones, The Boeing Company (email only)
James Swartz, The Boeing Company
Christine Garrison, DCT Industrial (email only)
Steve Campbell, Prologis
Neal Hines, Washington State Department of Ecology (email only)
Terry Pollard, YMCA Auburn

Attachments: Attachment 1: Groundwater Sampling Results
Attachment 2: Pilot Test Results

Reference

LAI. 2016. Status Report No. 55, April through June 2016 Activity Period, Boeing Auburn Facility, WAD 041337130, RCRA Corrective Action Agreed Order No. 01HWTRNR-3345. edited by Jennifer Wynkoop. Tacoma, WA: Landau Associates, Inc.

Groundwater Sampling Results

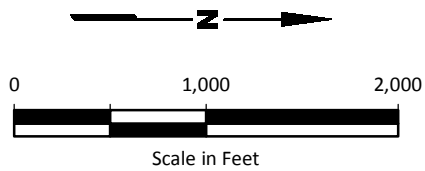


Notes

- Well designations beginning with APP are installed and owned by WSDOT.
- Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Legend

- ⊗ Semiannual Surface Water Sampling Location
- ▲ 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



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

Boeing Auburn Auburn, Washington	Current Monitoring Well Network	Figure 1-1
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Table 1-1
2Q 2016 Groundwater Sample Matrix
Boeing Auburn Facility
Auburn, Washington

Field Sample ID	Sample Location	Sample Date	Sample Type	Laboratory SDG	Laboratory Sample ID	Metals by SW-846 6010	Nitrate by EPA EPA 300.0	Sulfate by EPA 300.0	TPH-D by NWTPH-Dx	TPH-G by NWTPH-Gx	AMME by RSK-175	MME by RSK-175	Total Sulfide by SM 4500-S2-D	TOC by SM 5310C	VOCs by SW-846 8260C	VC by SW-846 8260C SIM
AGW001R-20160622	AGW001R	6/22/2016	PDN	1676413	8447884										X	X
AGW002R-20160616	AGW002R	6/16/2016	N	1673585/1673818	8433228/8434456			X				X		X	X	X
AGW006R-20160623	AGW006R	6/23/2016	PDN	1676202	8445632										X	X
AGW009-20160620	AGW009	6/20/2016	PDN	1674643	8438216										X	X
AGW010-20160620	AGW010	6/20/2016	N	1674643	8438213				X	X					X	X
AGW024-20160616	AGW024	6/16/2016	PDN	1673585	8433218										X	
AGW025-20160622	AGW025	6/22/2016	PDN	1676410	8447848										X	
AGW026-20160622	AGW026	6/22/2016	PDN	1676410	8447847										X	X
AGW027-20160620	AGW027	6/20/2016	PDN	1674643	8438212										X	X
AGW029-20160622	AGW029	6/22/2016	PDN	1676413	8447889										X	X
AGW030-20160622	AGW030	6/22/2016	PDN	1676410	8447850										X	X
AGW031R-20160623	AGW031R	6/23/2016	PDN	1676202	8445629										X	X
AGW032-20160620	AGW032	6/20/2016	PDN	1674650	8438249										X	X
AGW033-20160622	AGW033	6/22/2016	PDN	1676413	8447887										X	X
AGW034-20160616	AGW034	6/16/2016	PDN	1673585	8433217										X	X
AGW035-20160622	AGW035	6/22/2016	PDN	1676413	8447888										X	X
AGW037-20160616	AGW037	6/16/2016	PDN	1673585	8433219										X	X
AGW039-20160616	AGW039	6/16/2016	N	1673585	8433223/8433224	X									X	X
AGW040-20160616	AGW040	6/16/2016	PDN	1673585	8433222										X	X
AGW041-20160617	AGW041	6/17/2016	PDN	1673571	8433134										X	X
AGW044-20160620	AGW044	6/20/2016	N	1674643	8438218				X						X	X
AGW048-20160616	AGW048	6/16/2016	N	1673585	8433229	X										
AGW049-20160616	AGW049	6/16/2016	N	1673585	8433230	X										
AGW050-20160616	AGW050	6/16/2016	N	1673585	8433231	X										
AGW053R-20160616	AGW053R	6/16/2016	PDN	1673585	8433225										X	X
AGW055R-20160623	AGW055R	6/23/2016	PDN	1676202	8445634										X	X
AGW057R-20160622	AGW057R	6/22/2016	PDN	1676413	8447885										X	X
AGW058R-20160622	AGW058R	6/22/2016	PDN	1676413	8447886										X	X
AGW059R-20160622	AGW059R	6/22/2016	PDN	1676413	8447882										X	X
AGW060R-20160622	AGW060R	6/22/2016	PDN	1676413	8447883										X	X
AGW064-20160623	AGW064	6/23/2016	PDN	1676202	8445626										X	X
AGW065-20160623	AGW065	6/23/2016	PDN	1676202	8445627										X	X
AGW066-20160614	AGW066	6/14/2016	N	1672120	8426475/8426476		X	X			X		X	X	X	X
AGW067-20160623	AGW067	6/23/2016	PDN	1676202	8445631										X	X
AGW068-20160621	AGW068	6/21/2016	PDN	1675363	8441413										X	X
AGW069-20160623	AGW069	6/23/2016	PDN	1676210	8445692										X	X
AGW072-20160614	AGW072	6/14/2016	N	1672097	8426376/8426377		X	X			X		X	X	X	X
AGW073-20160614	AGW073	6/14/2016	N	1672097	8426378/8426379		X	X			X		X	X	X	X
AGW074-20160621	AGW074	6/21/2016	PDN	1675361	8441397										X	X
AGW078-20160622	AGW078	6/22/2016	PDN	1676410	8447841										X	X
AGW079-20160617	AGW079	6/17/2016	PDN	1673571	8433129										X	
AGW081-20160622	AGW081	6/22/2016	PDN	1676410	8447851										X	X
AGW085-20160622	AGW085	6/22/2016	PDN	1676410	8447842										X	X
AGW087-20160621	AGW087	6/21/2016	PDN	1675361	8441390										X	X

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Field Sample ID	Sample Location	Sample Date	Sample Type	Laboratory SDG	Laboratory Sample ID	Metals by SW-846 6010	Nitrate by EPA EPA 300.0	Sulfate by EPA 300.0	TPH-D by NWTPH-Dx	TPH-G by NWTPH-Gx	AMME by RSK-175	MME by RSK-175	Total Sulfide by SM 4500-S2-D	TOC by SM 5310C	VOCs by SW-846 8260C	VC by SW-846 8260C SIM
AGW088-20160621	AGW088	6/21/2016	PDN	1675361	8441391										X	X
AGW089-20160621	AGW089	6/21/2016	PDN	1675361	8441398										X	X
AGW090-20160621	AGW090	6/21/2016	PDN	1675361	8441399										X	X
AGW091-20160621	AGW091	6/21/2016	PDN	1675361	8441395										X	X
AGW095R-20160623	AGW095R	6/23/2016	PDN	1676202	8445628										X	X
AGW098R-20160623	AGW098R	6/23/2016	PDN	1676202	8445635										X	X
AGW104-20160622	AGW104	6/22/2016	PDN	1676410	8447840										X	X
AGW105-20160622	AGW105	6/22/2016	PDN	1676410	8447849										X	X
AGW106R-20160616	AGW106R	6/16/2016	N	1673585/1673818	8433227/8434455			X				X		X	X	X
AGW110R-20160616	AGW110R	6/16/2016	N	1673585/1673818	8433232/8434457			X				X		X	X	X
AGW112R-20160616	AGW112R	6/16/2016	PDN	1673585	8433226										X	X
AGW115-20160617	AGW115	6/17/2016	PDN	1673571	8433127										X	
AGW116-20160617	AGW116	6/17/2016	PDN	1673571	8433135										X	X
AGW117-20160617	AGW117	6/17/2016	PDN	1673571	8433137										X	X
AGW118-20160617	AGW118	6/17/2016	PDN	1673571	8433136										X	X
AGW119-20160621	AGW119	6/21/2016	PDN	1675361	8441393										X	X
AGW120-20160621	AGW120	6/21/2016	PDN	1675361	8441392										X	X
AGW125-20160614	AGW125	6/14/2016	N	1672120	8426470/8426471		X	X			X		X	X	X	X
AGW126-20160614	AGW126	6/14/2016	N	1672120	8426468/8426469		X	X			X		X	X	X	X
AGW127-20160617	AGW127	6/17/2016	PDN	1673571	8433138										X	X
AGW128-20160617	AGW128	6/17/2016	N	1673571	8433128				X						X	X
AGW129-20160617	AGW129	6/17/2016	PDN	1673571	8433139										X	X
AGW130-20160620	AGW130	6/20/2016	N	1674643	8438217				X						X	X
AGW131-20160622	AGW131	6/22/2016	PDN	1676410	8447845										X	
AGW133-20160621	AGW133	6/21/2016	PDN	1675361	8441396										X	X
AGW134-20160622	AGW134	6/22/2016	PDN	1676413	8447879										X	X
AGW135-20160623	AGW135	6/23/2016	PDN	1676202	8445633										X	X
AGW136-20160613	AGW136	6/13/2016	N	1671668	8424546/8424547		X	X			X		X	X	X	X
AGW137-20160614	AGW137	6/14/2016	N	1672120	8426464/8426465		X	X			X		X	X	X	X
AGW138-20160614	AGW138	6/14/2016	N	1672120	8426466/8426467		X	X			X		X	X	X	X
AGW139-20160623	AGW139	6/23/2016	PDN	1676210	8445691										X	X
AGW140-20160623	AGW140	6/23/2016	PDN	1676202	8445636										X	X
AGW141-20160621	AGW141	6/21/2016	PDN	1675363	8441414										X	X
AGW142-20160621	AGW142	6/21/2016	PDN	1675363	8441415										X	X
AGW143-20160620	AGW143	6/20/2016	PDN	1674733	8438859										X	X
AGW144-20160620	AGW144	6/20/2016	PDN	1674733	8438858										X	X
AGW145-20160620	AGW145	6/20/2016	PDN	1674733	8438856										X	
AGW146-20160620	AGW146	6/20/2016	PDN	1674733	8438857										X	X
AGW147-20160620	AGW147	6/20/2016	PDN	1674733	8438854										X	X
AGW148-20160620	AGW148	6/20/2016	PDN	1674733	8438860										X	X
AGW149-20160622	AGW149	6/22/2016	PDN	1676411	8447854										X	X
AGW150-20160623	AGW150	6/23/2016	PDN	1676202	8445646										X	X
AGW151-20160623	AGW151	6/23/2016	PDN	1676202	8445625										X	X
AGW152-20160622	AGW152	6/22/2016	PDN	1676410	8447846										X	

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AGW153-20160622	AGW153	6/22/2016	PDN	1676410	8447839										X	X
AGW154-20160622	AGW154	6/22/2016	PDN	1676410	8447844										X	X
AGW155-20160617	AGW155	6/17/2016	PDN	1673571	8433133										X	
AGW156-20160620	AGW156	6/20/2016	PDN	1674650	8438248										X	
AGW157-20160620	AGW157	6/20/2016	PDN	1674733	8438855										X	X
AGW158-20160614	AGW158	6/14/2016	N	1672097	8426382/8426383		X	X			X		X	X	X	X
AGW159-20160614	AGW159	6/14/2016	N	1672097	8426380/8426381		X	X			X		X	X	X	X
AGW160-20160621	AGW160	6/21/2016	PDN	1675363	8441411										X	X
AGW161-20160622	AGW161	6/22/2016	PDN	1676411	8447864										X	X
AGW162-20160621	AGW162	6/21/2016	PDN	1675363	8441416										X	X
AGW163-20160620	AGW163	6/20/2016	N	1674093	8435640/8435641		X	X			X		X	X	X	X
AGW164-20160616	AGW164	6/16/2016	PDN	1673585	8433221										X	X
AGW165-20160616	AGW165	6/16/2016	PDN	1673585	8433220										X	X
AGW166-20160623	AGW166	6/23/2016	PDN	1676202	8445642										X	X
AGW167-20160623	AGW167	6/23/2016	PDN	1676202	8445641										X	X
AGW168-20160615	AGW168	6/15/2016	N	1672629	8428694/8428695		X	X			X		X	X	X	X
AGW169-20160615	AGW169	6/15/2016	N	1672629	8428686/8428687		X	X			X		X	X	X	X
AGW170-20160623	AGW170	6/23/2016	PDN	1676202	8445644										X	X
AGW171-20160623	AGW171	6/23/2016	PDN	1676202	8445643										X	X
AGW172-20160620	AGW172	6/20/2016	PDN	1674650	8438251										X	X
AGW173-20160620	AGW173	6/20/2016	PDN	1674650	8438252										X	X
AGW174-20160614	AGW174	6/14/2016	N	1672097	8426386/8426387		X	X			X		X	X	X	X
AGW175-20160621	AGW175	6/21/2016	PDN	1675363	8441410										X	X
AGW176-20160620	AGW176	6/20/2016	PDN	1674650	8438253										X	X
AGW177-20160622	AGW177	6/22/2016	PDN	1676411	8447855										X	X
AGW178-20160622	AGW178	6/22/2016	PDN	1676411	8447856										X	X
AGW179-20160614	AGW179	6/14/2016	N	1672094	8426364/8426365		X	X			X		X	X	X	X
AGW180-20160614	AGW180	6/14/2016	N	1672094	8426366/8426367		X	X			X		X	X	X	X
AGW181-20160613	AGW181	6/13/2016	N	1671664	8424512/8424513		X	X			X		X	X	X	X
AGW182-20160622	AGW182	6/22/2016	PDN	1676411	8447857										X	X
AGW183-20160622	AGW183	6/22/2016	PDN	1676411	8447858										X	X
AGW184-20160621	AGW184	6/21/2016	PDN	1675363	8441420										X	X
AGW185-20160614	AGW185	6/14/2016	N	1672094	8426368/8426369		X	X			X		X	X	X	X
AGW186-20160621	AGW186	6/21/2016	PDN	1675363	8441419										X	X
AGW187-20160622	AGW187	6/22/2016	PDN	1676411	8447863										X	X
AGW188-20160613	AGW188	6/13/2016	N	1671664	8424506/8424507		X	X			X		X	X	X	X
AGW189-20160621	AGW189	6/21/2016	PDN	1675363	8441412										X	X
AGW190-20160620	AGW190	6/20/2016	PDN	1674650	8438247										X	X
AGW191-20160623	AGW191	6/23/2016	PDN	1676210	8445687										X	X
AGW192-20160623	AGW192	6/23/2016	PDN	1676210	8445688										X	X
AGW193-20160623	AGW193	6/23/2016	PDN	1676202	8445640										X	X
AGW194-20160614	AGW194	6/14/2016	N	1672086	8426331/8426332		X	X			X		X	X	X	X
AGW195-20160613	AGW195	6/13/2016	N	1671665	8424518/8424519		X	X			X		X	X	X	X
AGW196-20160613	AGW196	6/13/2016	N	1671665	8424516/8424517		X	X			X		X	X	X	X

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AGW197-20160613	AGW197	6/13/2016	N	1671665	8424526/8424527		X	X			X		X	X	X	X
AGW198-20160613	AGW198	6/13/2016	N	1671665	8424524/8424525		X	X			X		X	X	X	X
AGW199-20160620	AGW199	6/20/2016	PDN	1674650	8438254										X	X
AGW200-2-30-20160621	AGW200-2	6/21/2016	N	1675361	8441386										X	
AGW200-5-60-20160621	AGW200-5	6/21/2016	N	1675361	8441384										X	
AGW200-6-80-20160621	AGW200-6	6/21/2016	N	1675361	8441383										X	
AGW201-2-30-20160621	AGW201-2	6/21/2016	N	1675361	8441389										X	
AGW201-5-60-20160621	AGW201-5	6/21/2016	N	1675361	8441387										X	
AGW201-6-80-20160621	AGW201-6	6/21/2016	N	1675361	8441394										X	X
AGW202-2-30-20160615	AGW202-2	6/15/2016	N	1673247	8431459										X	X
AGW202-4-51-20160615	AGW202-4	6/15/2016	N	1673247	8431460										X	
AGW202-6-81-20160615	AGW202-6	6/15/2016	N	1673247	8431461										X	X
AGW203-2-30-20160615	AGW203-2	6/15/2016	N	1672629	8428692/8428693		X	X			X		X	X	X	X
AGW203-4-49-20160615	AGW203-4	6/15/2016	N	1672629	8428688/8428689		X	X			X		X	X	X	X
AGW203-6-80-20160615	AGW203-6	6/15/2016	N	1672629	8428690/8428691		X	X			X		X	X	X	X
AGW204-20160617	AGW204	6/17/2016	PDN	1673571	8433130										X	X
AGW205-20160622	AGW205	6/22/2016	PDN	1676410	8447838										X	X
AGW206-20160622	AGW206	6/22/2016	PDN	1676410	8447843										X	X
AGW207-2-30-20160614	AGW207-2	6/14/2016	N	1672094	8426358/8426359		X	X			X		X	X	X	X
AGW207-4-49-20160614	AGW207-4	6/14/2016	N	1672094	8426360/8426361		X	X			X		X	X	X	X
AGW207-7-80-20160614	AGW207-7	6/14/2016	N	1672094	8426362/8426363		X	X			X		X	X	X	X
AGW208-2-29-20160615	AGW208-2	6/15/2016	N	1673247	8431464										X	
AGW208-4-49-20160615	AGW208-4	6/15/2016	N	1673247	8431466										X	X
AGW208-6-80-20160615	AGW208-6	6/15/2016	N	1673247	8431463										X	X
AGW209-2-30-20160613	AGW209-2	6/13/2016	N	1671667	8424531/8424532		X	X			X		X	X	X	
AGW209-5-60-20160613	AGW209-5	6/13/2016	N	1671667	8424534/8424535		X	X			X		X	X	X	X
AGW209-6-80-20160613	AGW209-6	6/13/2016	N	1671667	8424536/8424537		X	X			X		X	X	X	X
AGW210-2-30-20160617	AGW210-2	6/17/2016	N	1673574	8433149										X	X
AGW210-5-60-20160617	AGW210-5	6/17/2016	N	1673574	8433148										X	X
AGW210-6-80-20160617	AGW210-6	6/17/2016	N	1673574	8433147										X	X
AGW211-2-30-20160613	AGW211-2	6/13/2016	N	1671667	8424538/8424539		X	X			X		X	X	X	X
AGW211-5-60-20160613	AGW211-5	6/13/2016	N	1671667	8424542/8424543		X	X			X		X	X	X	X
AGW211-6-80-20160613	AGW211-6	6/13/2016	N	1671667	8424540/8424541		X	X			X		X	X	X	X
AGW212-2-30-20160617	AGW212-2	6/17/2016	N	1673574	8433152										X	X
AGW212-5-60-20160617	AGW212-5	6/17/2016	N	1673574	8433153										X	X
AGW212-7-100-20160617	AGW212-7	6/17/2016	N	1673574	8433154										X	X
AGW213-20160613	AGW213	6/13/2016	N	1671664	8424510/8424511		X	X			X		X	X	X	X
AGW214-20160620	AGW214	6/20/2016	N	1674650	8438257										X	X
AGW215-20160620	AGW215	6/20/2016	N	1674650	8438256										X	X
AGW216-20160622	AGW216	6/22/2016	N	1676411	8447861										X	X
AGW217-20160613	AGW217	6/13/2016	N	1671664	8424508/8424509		X	X			X		X	X	X	X
AGW218-20160622	AGW218	6/22/2016	N	1676411	8447860										X	X
AGW219-20160620	AGW219	6/20/2016	PDN	1674650	8438246										X	X
AGW220-20160614	AGW220	6/14/2016	N	1672086	8426329/8426330		X	X			X		X	X	X	X

**Table 1-1
2Q 2016 Groundwater Sample Matrix
Boeing Auburn Facility
Auburn, Washington**

Field Sample ID	Sample Location	Sample Date	Sample Type	Laboratory SDG	Laboratory Sample ID	Metals by SW-846 6010	Nitrate by EPA EPA 300.0	Sulfate by EPA 300.0	TPH-D by NWTPH-Dx	TPH-G by NWTPH-Gx	AMME by RSK-175	MME by RSK-175	Total Sulfide by SM 4500-S2-D	TOC by SM 5310C	VOCs by SW-846 8260C	VC by SW-846 8260C SIM
AGW221-20160620	AGW221	6/20/2016	N	1674650	8438258										X	X
AGW222-20160617	AGW222	6/17/2016	PDN	1673571	8433126										X	X
AGW223-20160617	AGW223	6/17/2016	PDN	1673571	8433132										X	X
AGW224-20160622	AGW224	6/22/2016	PDN	1676411	8447859										X	X
AGW225-20160623	AGW225	6/23/2016	N	1676210	8445685/8445686			X			X		X	X	X	X
AGW226-20160621	AGW226	6/21/2016	N	1675364	8441423/8441424			X			X		X	X	X	X
AGW226PD2-20160621	AGW226	6/21/2016	PDN	1675364	8441426										X	X
AGW226PD6-20160621	AGW226	6/21/2016	PDN	1675364	8441427										X	X
AGW227-20160621	AGW227	6/21/2016	N	1675364	8441430										X	X
AGW227PD42-20160621	AGW227	6/21/2016	PDN	1675364	8441428										X	X
AGW227PD46-20160621	AGW227	6/21/2016	PDN	1675364	8441429										X	X
AGW228-20160621	AGW228	6/21/2016	N	1675364	8441433										X	X
AGW228PD20-20160621	AGW228	6/21/2016	PDN	1675364	8441431										X	X
AGW228PD24-20160621	AGW228	6/21/2016	PDN	1675364	8441432										X	X
AGW229-20160623	AGW229	6/23/2016	PDN	1676202	8445645										X	X
AGW230-20160621	AGW230	6/21/2016	PDN	1675363	8441421										X	X
AGW231-20160613	AGW231	6/13/2016	N	1671665	8424522/8424523		X	X			X		X	X	X	
AGW232-20160613	AGW232	6/13/2016	N	1671665	8424520/8424521		X	X			X		X	X	X	
AGW233-20160622	AGW233	6/22/2016	PDN	1676411	8447862										X	X
AGW234-20160617	AGW234	6/17/2016	PDN	1673574	8433151										X	X
AGW235-2-19-20160615	AGW235-2	6/15/2016	N	1672630	8428700/8428701		X	X			X		X	X	X	X
AGW235-4-39-20160615	AGW235-4	6/15/2016	N	1672630	8428702/8428703		X	X			X		X	X	X	X
AGW235-7-71-20160615	AGW235-7	6/15/2016	N	1672630	8428704/8428705		X	X			X		X	X	X	X
AGW236-20160617	AGW236	6/17/2016	PDN	1673574	8433150										X	X
AGW237-20160614	AGW237	6/14/2016	N	1672086	8426335/8426336		X	X			X		X	X	X	X
AGW237PD-72-20160614	AGW237	6/14/2016	PDN	1672086	8426328										X	X
AGW237PD-76-20160614	AGW237	6/14/2016	PDN	1672086	8426325										X	X
AGW238-20160613	AGW238	6/13/2016	N	1671668	8424550/8424551		X	X			X		X	X	X	X
AGW239-20160613	AGW239	6/13/2016	N	1671668	8424548/8424549		X	X			X		X	X	X	X
AGW240-1-7-20160615	AGW240-1	6/15/2016	N	1673247	8431454/8431455			X			X		X	X	X	X
AGW240-5-28-20160615	AGW240-5	6/15/2016	N	1673247	8431456/8431457			X			X		X	X	X	X
AGW241-1-6-20160615	AGW241-1	6/15/2016	N	1673245	8431448										X	X
AGW241-5-27-20160615	AGW241-5	6/15/2016	N	1673245	8431449										X	X
AGW242-1-6-20160615	AGW242-1	6/15/2016	N	1673245	8431441										X	X
AGW242-2-16-20160615	AGW242-2	6/15/2016	N	1673245	8431442										X	X
AGW242-5-60-20160615	AGW242-5	6/15/2016	N	1673245	8431443										X	X
AGW243-1-6-20160615	AGW243-1	6/15/2016	N	1673245	8431438										X	X
AGW243-3-25-20160615	AGW243-3	6/15/2016	N	1673245	8431439										X	X
AGW243-5-50-20160615	AGW243-5	6/15/2016	N	1673245	8431440										X	X
AGW244-20160623	AGW244	6/23/2016	PDN	1676202	8445639										X	X
AGW245-20160622	AGW245	6/22/2016	PDN	1676412	8447876										X	X
AGW246-20160623	AGW246	6/23/2016	PDN	1676210	8445693										X	X
AGW247-1-6-20160615	AGW247-1	6/15/2016	N	1673245	8431444/8431445			X			X		X	X	X	X
AGW247-5-27-20160615	AGW247-5	6/15/2016	N	1673245	8431446/8431447			X			X		X	X	X	X

**Table 1-1
2Q 2016 Groundwater Sample Matrix
Boeing Auburn Facility
Auburn, Washington**

Field Sample ID	Sample Location	Sample Date	Sample Type	Laboratory SDG	Laboratory Sample ID	Metals by SW-846 6010	Nitrate by EPA EPA 300.0	Sulfate by EPA 300.0	TPH-D by NWTPH-Dx	TPH-G by NWTPH-Gx	AMME by RSK-175	MME by RSK-175	Total Sulfide by SM 4500-S2-D	TOC by SM 5310C	VOCs by SW-846 8260C	VC by SW-846 8260C SIM
AGW248-1-5-20160621	AGW248-1	6/21/2016	N	1675366	8441441										X	X
AGW248-5-26-20160621	AGW248-5	6/21/2016	N	1675366	8441442										X	X
AGW249-1-8-20160621	AGW249-1	6/21/2016	N	1675366	8441444										X	X
AGW249-5-29-20160621	AGW249-5	6/21/2016	N	1675366	8441443										X	X
AGW250-1-9-20160622	AGW250-1	6/22/2016	N	1676412	8447870										X	X
AGW250-2-26-20160622	AGW250-2	6/22/2016	N	1676412	8447871										X	X
AGW250-3-41-20160622	AGW250-3	6/22/2016	N	1676412	8447872										X	X
AGW250-6-81-20160622	AGW250-6	6/22/2016	N	1676412	8447873										X	X
AGW251-1-8-20160620	AGW251-1	6/20/2016	N	1674733	8438847/8438848			X			X		X	X	X	X
AGW251-2-25-20160620	AGW251-2	6/20/2016	N	1674733	8438849/8438850			X			X		X	X	X	X
AGW251-3-40-20160620	AGW251-3	6/20/2016	N	1674733	8438851/8438852			X			X		X	X	X	X
AGW251-6-76-20160620	AGW251-6	6/20/2016	N	1674733	8438853										X	X
AGW252-20160621	AGW252	6/21/2016	PDN	1675363	8441417										X	X
AGW253-20160621	AGW253	6/21/2016	PDN	1675363	8441418										X	X
AGW254-1-20160623	AGW254-1	6/23/2016	N	1676210	8445694										X	X
AGW254-2-20-20160615	AGW254-2	6/15/2016	N	1672630	8428698/8428699		X	X			X		X	X	X	X
AGW254-5-50-20160615	AGW254-5	6/15/2016	N	1672630	8428708/8428709		X	X			X		X	X	X	X
AGW255-1-13-20160621	AGW255-1	6/21/2016	N	1675364	8441434										X	X
AGW255-3-30-20160621	AGW255-3	6/21/2016	N	1675364	8441435										X	X
AGW255-5-55-20160621	AGW255-5	6/21/2016	N	1675364	8441436										X	X
AGW256-20160620	AGW256	6/20/2016	PDN	1674643	8438215										X	X
AGW257-20160620	AGW257	6/20/2016	PDN	1674643	8438214										X	X
AGW258-20160620	AGW258	6/20/2016	PDN	1674643	8438219										X	X
AGW259-20160615	AGW259	6/15/2016	N	1672630	8428706/8428707		X	X			X		X	X	X	X
AGW260-20160623	AGW260	6/23/2016	PDN	1676210	8445690										X	X
AGW261-20160622	AGW261	6/22/2016	PDN	1676412	8447875										X	X
AGW262-20160623	AGW262	6/23/2016	PDN	1676202	8445647										X	X
AGW263-20160623	AGW263	6/23/2016	PDN	1676210	8445689										X	X
AGW264-20160623	AGW264	6/23/2016	PDN	1676202	8445638										X	X
AGW265-20160623	AGW265	6/23/2016	PDN	1676202	8445637										X	X
AGW266-20160613	AGW266	6/13/2016	N	1671664	8424504/8424505		X	X			X		X	X	X	X
AGW267-20160622	AGW267	6/22/2016	PDN	1676413	8447880										X	X
AGW268-20160622	AGW268	6/22/2016	PDN	1676413	8447881										X	X
AGW269-20160616	AGW269	6/16/2016	N	1673586	8433239/8433240			X			X		X	X	X	X
AGW270-20160616	AGW270	6/16/2016	N	1673586	8433235/8433236			X			X		X	X	X	X
AGW271-20160616	AGW271	6/16/2016	N	1673586	8433237/8433238			X			X		X	X	X	X
AGW272-20160617	AGW272	6/17/2016	N	1673581	8433183/8433184			X			X		X	X	X	X
AGW273-20160617	AGW273	6/17/2016	N	1673581	8433185/8433186			X			X		X	X	X	X
AGW274-20160617	AGW274	6/17/2016	N	1673581	8433187/8433188			X			X		X	X	X	X
AGW275-20160617	AGW275	6/17/2016	N	1673581	8433189/8433190			X			X		X	X	X	X
AGW276-2-25-20160622	AGW276-2	6/22/2016	N	1676412	8447867										X	X
AGW276-5-60-20160622	AGW276-5	6/22/2016	N	1676412	8447868										X	X
AGW276-6-80-20160622	AGW276-6	6/22/2016	N	1676412	8447869										X	X
AGW900-20160614	AGW066	6/14/2016	FD	1672120	8426473/8426474		X	X			X		X	X	X	X

**Table 1-1
2Q 2016 Groundwater Sample Matrix
Boeing Auburn Facility
Auburn, Washington**

Field Sample ID	Sample Location	Sample Date	Sample Type	Laboratory SDG	Laboratory Sample ID	Metals by SW-846 6010	Nitrate by EPA EPA 300.0	Sulfate by EPA 300.0	TPH-D by NWTPH-Dx	TPH-G by NWTPH-Gx	AMME by RSK-175	MME by RSK-175	Total Sulfide by SM 4500-S2-D	TOC by SM 5310C	VOCs by SW-846 8260C	VC by SW-846 8260C SIM
AGW901-20160614	AGW174	6/14/2016	FD	1672097	8426384/8426385		X	X			X		X	X	X	X
AGW902-20160614	AGW237	6/14/2016	FD	1672086	8426333/8426334		X	X			X		X	X	X	X
AGW902PD-1-20160614	AGW237	6/14/2016	PDFD	1672086	8426327										X	X
AGW902PD-2-20160614	AGW237	6/14/2016	PDFD	1672086	8426326										X	X
AGW903-20160623	AGW031R	6/23/2016	PDFD	1676202	8445630										X	X
AGW904-20160617	AGW155	6/17/2016	PDFD	1673571	8433131										X	
AGW904-20160621	AGW200-5	6/21/2016	FD	1675361	8441385										X	
AGW905-20160620	AGW172	6/20/2016	PDFD	1674650	8438250										X	X
AGW906-20160620	AGW199	6/20/2016	PDFD	1674650	8438255										X	X
AGW909-20160621	AGW201-2	6/21/2016	FD	1675361	8441388										X	
AGW910-20160615	AGW208-6	6/15/2016	FD	1673247	8431462										X	X
AGW911-20160620	AGW221	6/20/2016	FD	1674650	8438259										X	X
AGW913-20160622	AGW250-1	6/22/2016	FD	1676412	8447874										X	X
AGW914-20160621	AGW255-5	6/21/2016	FD	1675364	8441437										X	X
AGW915-20160616	IW34	6/16/2016	FD	1673586	8433243/8433244			X			X		X	X	X	X
APP-057-20160615	APP-057	6/15/2016	N	1673247	8431465										X	X
IW34-20160616	IW34	6/16/2016	N	1673586	8433241/8433242			X			X		X	X	X	X
IW36-20160616	IW36	6/16/2016	N	1673589	8433267/8433268			X			X		X	X	X	X
IW37-20160617	IW37	6/17/2016	N	1673581	8433181/8433182			X			X		X	X	X	X

Abbreviations and Acronyms

- AMEE = acetylene, methane, ethene, ethane
- EPA = US Environmental Protection Agency
- FD = field duplicate
- MEE = methane, ethene, ethane
- N = primary sample
- NWTPH = Northwest Total Petroleum Hydrocarbon
- PD = passive diffusion primary sample
- PDFD = passive diffusion field duplicate
- SDG = sample delivery group
- SIM = selected ion monitoring
- TOC = total organic compound
- TPH-D = diesel-range total petroleum hydrocarbons
- TPH-G = gasoline-range total petroleum hydrocarbons
- VC = Vinyl Chloride
- VOC = volatile organic compound

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW001R	AGW002R	AGW006R	AGW009	AGW010	AGW024	AGW025	AGW026	AGW027
Field Sample ID:	AGW001R-20160622	AGW002R-20160616	AGW006R-20160623	AGW009-20160620	AGW010-20160620	AGW024-20160616	AGW025-20160622	AGW026-20160622	AGW027-20160620
Zone:	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow	Shallow
Laboratory SDG:	1676413	1673585/1673818	1676202	1674643	1674643	1673585	1676410	1676410	1674643
Sample ID:	8447884	8433228/8434456	8445632	8438216	8438213	8433218	8447848	8447847	8438212
Sample Date:	6/22/16	6/16/2016	6/23/16	6/20/16	6/20/16	6/16/16	6/22/16	6/22/16	6/20/16
Sample Type:	PDN	N	PDN	PDN	N	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	37 UJ	5.0 U	26 U	17 U	50 U	9.6 U	35 U	38 U	38 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	2.0 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	5.0 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	5.0 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	5.0 U	0.5 U	0.5 U	0.5 U	0.5 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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	5.0 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	2.0 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	5.0 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	5.0 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	2.0 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	5.0 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	5.0 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	5.0 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	2.0 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	2.0 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.3	0.2 U	0.2 U	2.0 U	0.6	3.8	0.6	0.4
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	2.0 U	0.2 U	0.4	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	5.0 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	2.0 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	2.0 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	290	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	5.0 U	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	5.0 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	5.0 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	2.0 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	2.0 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	4.7	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	5.0 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	5.0 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	2.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.9	0.2 U	0.2 U	0.6	2.0 U	0.2 U	0.2 U	0.6	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	5.0 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	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	2.0 U	0.6	1.9	0.2 U	0.3
m-&p-Xylenes	0.5 U	0.5 U	0.5 U	0.5 U	96	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	20	0.5 U	0.5 U	0.5 U	0.5 U

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW001R	AGW002R	AGW006R	AGW009	AGW010	AGW024	AGW025	AGW026	AGW027
Field Sample ID:	AGW001R-20160622	AGW002R-20160616	AGW006R-20160623	AGW009-20160620	AGW010-20160620	AGW024-20160616	AGW025-20160622	AGW026-20160622	AGW027-20160620
Zone:	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow	Shallow
Laboratory SDG:	1676413	1673585/1673818	1676202	1674643	1674643	1673585	1676410	1676410	1674643
Sample ID:	8447884	8433228/8434456	8445632	8438216	8438213	8433218	8447848	8447847	8438212
Sample Date:	6/22/16	6/16/2016	6/23/16	6/20/16	6/20/16	6/16/16	6/22/16	6/22/16	6/20/16
Sample Type:	PDN	N	PDN	PDN	N	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.020 U	0.065	0.020 U	0.020 U	0.020 U	--	--	0.029	0.24
Conventional (mg/L)									
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--
Sulfate	--	1.0 U	--	--	--	--	--	--	--
Sulfide, Total	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	2.5	--	--	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	9,200	--	--	--	--	--	--	--
Ethane	--	1.0 U	--	--	--	--	--	--	--
Ethene	--	1.0 U	--	--	--	--	--	--	--
Acetylene	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	1.2	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	0.24 U	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	6,100	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW029	AGW030	AGW031R	AGW031R	AGW032	AGW033	AGW034	AGW035	AGW037
Field Sample ID:	AGW029-20160622	AGW030-20160622	AGW031R-20160623	AGW903-20160623	AGW032-20160620	AGW033-20160622	AGW034-20160616	AGW035-20160622	AGW037-20160616
Zone:	Shallow	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Deep	Deep	Shallow-WT
Laboratory SDG:	1676413	1676410	1676202	1676202	1674650	1676413	1673585	1676413	1673585
Sample ID:	8447889	8447850	8445629	8445630	8438249	8447887	8433217	8447888	8433219
Sample Date:	6/22/16	6/22/16	6/23/16	6/23/16	6/20/16	6/22/16	6/16/16	6/22/16	6/16/16
Sample Type:	PDN	PDN	PDN	PDFD	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	27 UJ	24 U	59 U	58 U	45 U	57 UJ	29 U	10 UJ	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	0.2 U	0.2 U	0.5	0.5	0.2 U	0.2 U	0.4	0.2	1.3
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	1	1	0.2 U	0.2 U	0.2 U	2.3	2.6
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW029	AGW030	AGW031R	AGW031R	AGW032	AGW033	AGW034	AGW035	AGW037
Field Sample ID:	AGW029-20160622	AGW030-20160622	AGW031R-20160623	AGW903-20160623	AGW032-20160620	AGW033-20160622	AGW034-20160616	AGW035-20160622	AGW037-20160616
Zone:	Shallow	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Deep	Deep	Shallow-WT
Laboratory SDG:	1676413	1676410	1676202	1676202	1674650	1676413	1673585	1676413	1673585
Sample ID:	8447889	8447850	8445629	8445630	8438249	8447887	8433217	8447888	8433219
Sample Date:	6/22/16	6/22/16	6/23/16	6/23/16	6/20/16	6/22/16	6/16/16	6/22/16	6/16/16
Sample Type:	PDN	PDN	PDN	PDFD	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.020 U	0.026	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.26
Conventional (mg/L)									
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--
Sulfide, Total	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	--	--	--	--	--	--	--	--
Ethane	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--
Acetylene	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW039	AGW040	AGW041	AGW044	AGW048	AGW049	AGW050	AGW053R	AGW055R
Field Sample ID:	AGW039-20160616	AGW040-20160616	AGW041-20160617	AGW044-20160620	AGW048-20160616	AGW049-20160616	AGW050-20160616	AGW053R-20160616	AGW055R-20160623
Zone:	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow	Shallow-WT	Intermediate
Laboratory SDG:	1673585	1673585	1673571	1674643	1673585	1673585	1673585	1673585	1676202
Sample ID:	8433223	8433222	8433134	8438218	8433229	8433230	8433231	8433225	8445634
Sample Date:	6/16/16	6/16/16	6/17/16	6/20/16	6/16/16	6/16/16	6/16/16	6/16/16	6/23/16
Sample Type:	N	PDN	PDN	N	N	N	N	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	5.0 U	12 U	12 U	5.0 U	--	--	--	22 U	5.0 U
Benzene	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
Bromoform	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
2-Butanone/MEK	5.0 U	5.0 U	5.0 U	5.0 U	--	--	--	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	0.5 U	0.5 U
Carbon Tetrachloride	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
Chloroethane	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
Chloromethane	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
1,1-Dichloroethane	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
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	0.2 U	0.2 U
cis-1,2-Dichloroethene	1.1	0.5	0.2 U	0.2 U	--	--	--	1.1	1.5
trans-1,2-Dichloroethene	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
cis-1,3-Dichloropropene	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
Ethylbenzene	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
4-Methyl-2-pentanone	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
Styrene	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
Tetrachloroethene	0.2 U	0.2 U	0.3	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
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
1,1,1-Trichloroethane	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
Trichloroethene	0.5	0.7	0.4	0.2 U	--	--	--	2.0	0.5
Trichlorofluoromethane	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
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	0.2 U	0.2
m-&p-Xylenes	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

**Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington**

Sample Location:	AGW039	AGW040	AGW041	AGW044	AGW048	AGW049	AGW050	AGW053R	AGW055R
Field Sample ID:	AGW039-20160616	AGW040-20160616	AGW041-20160617	AGW044-20160620	AGW048-20160616	AGW049-20160616	AGW050-20160616	AGW053R-20160616	AGW055R-20160623
Zone:	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow	Shallow-WT	Intermediate
Laboratory SDG:	1673585	1673585	1673571	1674643	1673585	1673585	1673585	1673585	1676202
Sample ID:	8433223	8433222	8433134	8438218	8433229	8433230	8433231	8433225	8445634
Sample Date:	6/16/16	6/16/16	6/17/16	6/20/16	6/16/16	6/16/16	6/16/16	6/16/16	6/23/16
Sample Type:	N	PDN	PDN	N	N	N	N	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.026	0.022	0.020 U	0.020 U	--	--	--	0.043	0.15
Conventional (mg/L)									
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--
Sulfide, Total	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	--	--	--	--	--	--	--	--
Ethane	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--
Acetylene	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	0.0093	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	0.0012	0.0129	0.0185	--	--
Nickel	--	--	--	--	0.0021	0.0564	0.0383	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	1.8	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	0.73	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW057R	AGW058R	AGW059R	AGW060R	AGW064	AGW065	AGW066	AGW066	AGW067
Field Sample ID:	AGW057R-20160622	AGW058R-20160622	AGW059R-20160622	AGW060R-20160622	AGW064-20160623	AGW065-20160623	AGW066-20160614	AGW900-20160614	AGW067-20160623
Zone:	Intermediate	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT
Laboratory SDG:	1676413	1676413	1676413	1676413	1676202	1676202	1672120	1672120	1676202
Sample ID:	8447885	8447886	8447882	8447883	8445626	8445627	8426475/8426476	8426473/8426474	8445631
Sample Date:	6/22/16	6/22/16	6/22/16	6/22/16	6/23/16	6/23/16	6/14/16	6/14/16	6/23/16
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	N	FD	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	22 UJ	36 UJ	29 UJ	19 UJ	35 U	27 U	5.0 U	5.0 U	28 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone/MEK	5.0 U	5.0 U	5.0 U	5.0 U	33	66	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	0.2 U	0.2 U	0.2 U	2.5	0.2 U	0.2 U	1.7	1.6	3.9
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
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.5	0.3	0.4	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.1	0.2	0.2	1.1	0.2 U	0.2 U	3.3	3.6	5.4
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	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	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

**Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington**

Sample Location:	AGW057R	AGW058R	AGW059R	AGW060R	AGW064	AGW065	AGW066	AGW066	AGW067
Field Sample ID:	AGW057R-20160622	AGW058R-20160622	AGW059R-20160622	AGW060R-20160622	AGW064-20160623	AGW065-20160623	AGW066-20160614	AGW900-20160614	AGW067-20160623
Zone:	Intermediate	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT
Laboratory SDG:	1676413	1676413	1676413	1676413	1676202	1676202	1672120	1672120	1676202
Sample ID:	8447885	8447886	8447882	8447883	8445626	8445627	8426475/8426476	8426473/8426474	8445631
Sample Date:	6/22/16	6/22/16	6/22/16	6/22/16	6/23/16	6/23/16	6/14/16	6/14/16	6/23/16
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	N	FD	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.020 U	0.020 U	0.020 U	0.049	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Conventionals (mg/L)									
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	0.55	0.66 J	--
Sulfate	--	--	--	--	--	--	44.1	47.5	--
Sulfide, Total	--	--	--	--	--	--	0.10 U	0.10 U	--
Total Organic Carbon	--	--	--	--	--	--	1.0 U	1.0 U	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	--	--	--	--	--	7.3 J	11 J	--
Ethane	--	--	--	--	--	--	1.0 U	1.0 U	--
Ethene	--	--	--	--	--	--	1.0 U	1.0 U	--
Acetylene	--	--	--	--	--	--	1.0 U	1.0 U	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW068	AGW069	AGW072	AGW073	AGW074	AGW078	AGW079	AGW081	AGW085
Field Sample ID:	AGW068-20160621	AGW069-20160623	AGW072-20160614	AGW073-20160614	AGW074-20160621	AGW078-20160622	AGW079-20160617	AGW081-20160622	AGW085-20160622
Zone:	Shallow-WT	Shallow-WT	Intermediate	Deep	Shallow-WT	Shallow	Shallow	Shallow-WT	Shallow-WT
Laboratory SDG:	1675363	1676210	1672097	1672097	1675361	1676410	1673571	1676410	1676410
Sample ID:	8441413	8445692	8426376/8426377	8426378/8426379	8441397	8447841	8433129	8447851	8447842
Sample Date:	6/21/16	6/23/16	6/14/16	6/14/16	6/21/16	6/22/16	6/17/16	6/22/16	6/22/16
Sample Type:	PDN	PDN	N	N	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	22 U	30 U	5.0 U	5.0 U	5.0 U	20 U	15 U	31 U	11 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4	0.2 U	0.2 U
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
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	1.3	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.3
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.2	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW068	AGW069	AGW072	AGW073	AGW074	AGW078	AGW079	AGW081	AGW085
Field Sample ID:	AGW068-20160621	AGW069-20160623	AGW072-20160614	AGW073-20160614	AGW074-20160621	AGW078-20160622	AGW079-20160617	AGW081-20160622	AGW085-20160622
Zone:	Shallow-WT	Shallow-WT	Intermediate	Deep	Shallow-WT	Shallow	Shallow	Shallow-WT	Shallow-WT
Laboratory SDG:	1675363	1676210	1672097	1672097	1675361	1676410	1673571	1676410	1676410
Sample ID:	8441413	8445692	8426376/8426377	8426378/8426379	8441397	8447841	8433129	8447851	8447842
Sample Date:	6/21/16	6/23/16	6/14/16	6/14/16	6/21/16	6/22/16	6/17/16	6/22/16	6/22/16
Sample Type:	PDN	PDN	N	N	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
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
Conventionals (mg/L)									
Nitrogen, Nitrate (as N)	--	--	1.3	0.87	--	--	--	--	--
Sulfate	--	--	13.8	12.9	--	--	--	--	--
Sulfide, Total	--	--	0.10 U	0.10 U	--	--	--	--	--
Total Organic Carbon	--	--	1.0 U	1.0 U	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	--	3.0 U	3.0 U	--	--	--	--	--
Ethane	--	--	1.0 U	1.0 U	--	--	--	--	--
Ethene	--	--	1.0 U	1.0 U	--	--	--	--	--
Acetylene	--	--	1.0 U	1.0 U	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW087	AGW088	AGW089	AGW090	AGW091	AGW095R	AGW098R	AGW104	AGW105
Field Sample ID:	AGW087-20160621	AGW088-20160621	AGW089-20160621	AGW090-20160621	AGW091-20160621	AGW095R-20160623	AGW098R-20160623	AGW104-20160622	AGW105-20160622
Zone:	Intermediate	Shallow-WT	Intermediate	Shallow	Intermediate	Intermediate	Deep	Shallow	Intermediate
Laboratory SDG:	1675361	1675361	1675361	1675361	1675361	1676202	1676202	1676410	1676410
Sample ID:	8441390	8441391	8441398	8441399	8441395	8445628	8445635	8447840	8447849
Sample Date:	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/23/16	6/23/16	6/22/16	6/22/16
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	29 U	27 U	29 U	20 U	26 U	35 U	43 U	33 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.8
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.5	0.5	0.2 U	1.1
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW087	AGW088	AGW089	AGW090	AGW091	AGW095R	AGW098R	AGW104	AGW105
Field Sample ID:	AGW087-20160621	AGW088-20160621	AGW089-20160621	AGW090-20160621	AGW091-20160621	AGW095R-20160623	AGW098R-20160623	AGW104-20160622	AGW105-20160622
Zone:	Intermediate	Shallow-WT	Intermediate	Shallow	Intermediate	Intermediate	Deep	Shallow	Intermediate
Laboratory SDG:	1675361	1675361	1675361	1675361	1675361	1676202	1676202	1676410	1676410
Sample ID:	8441390	8441391	8441398	8441399	8441395	8445628	8445635	8447840	8447849
Sample Date:	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/23/16	6/23/16	6/22/16	6/22/16
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
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	0.39
Conventional (mg/L)									
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--
Sulfide, Total	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	--	--	--	--	--	--	--	--
Ethane	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--
Acetylene	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW106R	AGW110R	AGW112R	AGW115	AGW116	AGW117	AGW118	AGW119	AGW120
Field Sample ID:	AGW106R-20160616	AGW110R-20160616	AGW112R-20160616	AGW115-20160617	AGW116-20160617	AGW117-20160617	AGW118-20160617	AGW119-20160621	AGW120-20160621
Zone:	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Intermediate	Shallow
Laboratory SDG:	1673585/1673818	1673585/1673818	1673585	1673571	1673571	1673571	1673571	1675361	1675361
Sample ID:	8433227/8434455	8433232/8434457	8433226	8433127	8433135	8433137	8433136	8441393	8441392
Sample Date:	6/16/16	6/16/16	6/16/16	6/17/16	6/17/16	6/17/16	6/17/16	6/21/16	6/21/16
Sample Type:	N	N	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	5.0 U	5.0 U	30 U	17 U	35 U	20 U	26 U	30 U	17 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.5	0.5	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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2	0.2 U	1	0.3	0.2 U	0.2 U	0.3	0.2 U	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW106R	AGW110R	AGW112R	AGW115	AGW116	AGW117	AGW118	AGW119	AGW120
Field Sample ID:	AGW106R-20160616	AGW110R-20160616	AGW112R-20160616	AGW115-20160617	AGW116-20160617	AGW117-20160617	AGW118-20160617	AGW119-20160621	AGW120-20160621
Zone:	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Intermediate	Shallow
Laboratory SDG:	1673585/1673818	1673585/1673818	1673585	1673571	1673571	1673571	1673571	1675361	1675361
Sample ID:	8433227/8434455	8433232/8434457	8433226	8433127	8433135	8433137	8433136	8441393	8441392
Sample Date:	6/16/16	6/16/16	6/16/16	6/17/16	6/17/16	6/17/16	6/17/16	6/21/16	6/21/16
Sample Type:	N	N	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.020 U	0.11	0.020 U	--	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Conventional (mg/L)									
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--
Sulfate	16.1	1.0 U	--	--	--	--	--	--	--
Sulfide, Total	--	--	--	--	--	--	--	--	--
Total Organic Carbon	1.0 U	2.4	--	--	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	340	6,500	--	--	--	--	--	--	--
Ethane	1.0 U	1.0 U	--	--	--	--	--	--	--
Ethene	1.0 U	1.0 U	--	--	--	--	--	--	--
Acetylene	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW125	AGW126	AGW127	AGW128	AGW129	AGW130	AGW131	AGW133	AGW134
Field Sample ID:	AGW125-20160614	AGW126-20160614	AGW127-20160617	AGW128-20160617	AGW129-20160617	AGW130-20160620	AGW131-20160622	AGW133-20160621	AGW134-20160622
Zone:	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow
Laboratory SDG:	1672120	1672120	1673571	1673571	1673571	1674643	1676410	1675361	1676413
Sample ID:	8426470/8426471	8426468/8426469	8433138	8433128	8433139	8438217	8447845	8441396	8447879
Sample Date:	6/14/16	6/14/16	6/17/16	6/17/16	6/17/16	6/20/16	6/22/16	6/21/16	6/22/16
Sample Type:	N	N	PDN	N	PDN	N	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	5.0 U	5.0 U	17 U	5.0 U	27 U	5.0 U	21 U	16 U	13 UJ
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	0.3	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	2.1	6.7	0.2 U	0.2 U	0.2 U	0.2 U	0.8	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.5	0.3	0.2 U	0.4	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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	8.3	8.8	0.2 U	0.2 U	0.3	0.3	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.3	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW125	AGW126	AGW127	AGW128	AGW129	AGW130	AGW131	AGW133	AGW134
Field Sample ID:	AGW125-20160614	AGW126-20160614	AGW127-20160617	AGW128-20160617	AGW129-20160617	AGW130-20160620	AGW131-20160622	AGW133-20160621	AGW134-20160622
Zone:	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow
Laboratory SDG:	1672120	1672120	1673571	1673571	1673571	1674643	1676410	1675361	1676413
Sample ID:	8426470/8426471	8426468/8426469	8433138	8433128	8433139	8438217	8447845	8441396	8447879
Sample Date:	6/14/16	6/14/16	6/17/16	6/17/16	6/17/16	6/20/16	6/22/16	6/21/16	6/22/16
Sample Type:	N	N	PDN	N	PDN	N	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.022	0.071	0.020 U	0.020 U	0.020 U	0.020 U	--	0.020 U	0.034
Conventional (mg/L)									
Nitrogen, Nitrate (as N)	0.10 U	0.10 U	--	--	--	--	--	--	--
Sulfate	18.4	14.6	--	--	--	--	--	--	--
Sulfide, Total	0.10 U	0.10 U	--	--	--	--	--	--	--
Total Organic Carbon	3.4	1.1	--	--	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	14	75	--	--	--	--	--	--	--
Ethane	1.0 U	1.0 U	--	--	--	--	--	--	--
Ethene	1.0 U	1.0 U	--	--	--	--	--	--	--
Acetylene	1.0 U	1.0 U	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	1.1	--	0.094 U	--	--	--
Oil Range Organics (C24-C40)	--	--	--	0.35	--	0.23 U	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW135	AGW136	AGW137	AGW138	AGW139	AGW140	AGW141	AGW142	AGW143
Field Sample ID:	AGW135-20160623	AGW136-20160613	AGW137-20160614	AGW138-20160614	AGW139-20160623	AGW140-20160623	AGW141-20160621	AGW142-20160621	AGW143-20160620
Zone:	Shallow	Shallow	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Deep	Deep
Laboratory SDG:	1676202	1671668	1672120	1672120	1676210	1676202	1675363	1675363	1674733
Sample ID:	8445633	8424546/8424547	8426464/8426465	8426466/8426467	8445691	8445636	8441414	8441415	8438859
Sample Date:	6/23/16	6/13/16	6/14/16	6/14/16	6/23/16	6/23/16	6/21/16	6/21/16	6/20/16
Sample Type:	PDN	N	N	N	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	18 U	5.0 U	5.0 U	5.0 U	21 U	11 U	40 U	40 U	17 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	0.3	0.3	1.0	0.2 U	0.3	1.9	0.2	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.0	0.8	3.0	0.6	3.3	4.3	2.0	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	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW135	AGW136	AGW137	AGW138	AGW139	AGW140	AGW141	AGW142	AGW143
Field Sample ID:	AGW135-20160623	AGW136-20160613	AGW137-20160614	AGW138-20160614	AGW139-20160623	AGW140-20160623	AGW141-20160621	AGW142-20160621	AGW143-20160620
Zone:	Shallow	Shallow	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Deep	Deep
Laboratory SDG:	1676202	1671668	1672120	1672120	1676210	1676202	1675363	1675363	1674733
Sample ID:	8445633	8424546/8424547	8426464/8426465	8426466/8426467	8445691	8445636	8441414	8441415	8438859
Sample Date:	6/23/16	6/13/16	6/14/16	6/14/16	6/23/16	6/23/16	6/21/16	6/21/16	6/20/16
Sample Type:	PDN	N	N	N	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.15	0.020 U	0.020 U	0.020 U
Conventional (mg/L)									
Nitrogen, Nitrate (as N)	--	0.10 U	0.10 U	0.10 U	--	--	--	--	--
Sulfate	--	10.8	9.1	13.9	--	--	--	--	--
Sulfide, Total	--	0.10 U	0.10 U	0.10 U	--	--	--	--	--
Total Organic Carbon	--	1.8	2.3	1.0 U	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	49	180	8.7	--	--	--	--	--
Ethane	--	1.0 U	1.0 U	1.0 U	--	--	--	--	--
Ethene	--	1.0 U	1.0 U	1.0 U	--	--	--	--	--
Acetylene	--	1.0 U	1.0 U	1.0 U	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW144	AGW145	AGW146	AGW147	AGW148	AGW149	AGW150	AGW151	AGW152
Field Sample ID:	AGW144-20160620	AGW145-20160620	AGW146-20160620	AGW147-20160620	AGW148-20160620	AGW149-20160622	AGW150-20160623	AGW151-20160623	AGW152-20160622
Zone:	Intermediate	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Shallow
Laboratory SDG:	1674733	1674733	1674733	1674733	1674733	1676411	1676202	1676202	1676410
Sample ID:	8438858	8438856	8438857	8438854	8438860	8447854	8445646	8445625	8447846
Sample Date:	6/20/16	6/20/16	6/20/16	6/20/16	6/20/16	6/22/16	6/23/16	6/23/16	6/22/16
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	22 U	15 U	5.0 U	53 U	45 U	28 U	29 U	41 U	41 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone/MEK	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	30	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	2.2	7.5	1.7	2.6	1.8	0.3	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.4	1.1	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	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.0	12	4.6	0.2 U	3.8	3.6	1.0	0.4	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.4	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	3.8
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW144	AGW145	AGW146	AGW147	AGW148	AGW149	AGW150	AGW151	AGW152
Field Sample ID:	AGW144-20160620	AGW145-20160620	AGW146-20160620	AGW147-20160620	AGW148-20160620	AGW149-20160622	AGW150-20160623	AGW151-20160623	AGW152-20160622
Zone:	Intermediate	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Shallow
Laboratory SDG:	1674733	1674733	1674733	1674733	1674733	1676411	1676202	1676202	1676410
Sample ID:	8438858	8438856	8438857	8438854	8438860	8447854	8445646	8445625	8447846
Sample Date:	6/20/16	6/20/16	6/20/16	6/20/16	6/20/16	6/22/16	6/23/16	6/23/16	6/22/16
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.28	--	0.099	0.032	0.048	0.020 U	0.020 U	0.020 U	--
Conventional (mg/L)									
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--
Sulfide, Total	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	--	--	--	--	--	--	--	--
Ethane	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--
Acetylene	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW153	AGW154	AGW155	AGW155	AGW156	AGW157	AGW158	AGW159	AGW160
Field Sample ID:	AGW153-20160622	AGW154-20160622	AGW155-20160617	AGW904-20160617	AGW156-20160620	AGW157-20160620	AGW158-20160614	AGW159-20160614	AGW160-20160621
Zone:	Shallow	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Intermediate
Laboratory SDG:	1676410	1676410	1673571	1673571	1674650	1674733	1672097	1672097	1675363
Sample ID:	8447839	8447844	8433133	8433131	8438248	8438855	8426382/8426383	8426380/8426381	8441411
Sample Date:	6/22/16	6/22/16	6/17/16	6/17/16	6/20/16	6/20/16	6/14/16	6/14/16	6/21/16
Sample Type:	PDN	PDN	PDN	PDFD	PDN	PDN	N	N	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	19 U	27 U	51 U	51 U	22 U	5.0 U	5.0 U	5.0 U	45 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	0.2 U	0.5	3.9	4.0	7.2	2.0	0.6	0.6	0.3
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.6	0.5	0.4	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.4	0.2 U	0.2 U	1.2	3.6	2.4	3.8	3.2
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	8.2	8.6	2.5	0.3	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	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

**Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington**

Sample Location:	AGW153	AGW154	AGW155	AGW155	AGW156	AGW157	AGW158	AGW159	AGW160
Field Sample ID:	AGW153-20160622	AGW154-20160622	AGW155-20160617	AGW904-20160617	AGW156-20160620	AGW157-20160620	AGW158-20160614	AGW159-20160614	AGW160-20160621
Zone:	Shallow	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Intermediate
Laboratory SDG:	1676410	1676410	1673571	1673571	1674650	1674733	1672097	1672097	1675363
Sample ID:	8447839	8447844	8433133	8433131	8438248	8438855	8426382/8426383	8426380/8426381	8441411
Sample Date:	6/22/16	6/22/16	6/17/16	6/17/16	6/20/16	6/20/16	6/14/16	6/14/16	6/21/16
Sample Type:	PDN	PDN	PDN	PDFD	PDN	PDN	N	N	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.020 U	0.025	--	--	--	0.27	0.026	0.032	0.020 U
Conventionals (mg/L)									
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	0.33	0.34	--
Sulfate	--	--	--	--	--	--	13.1	11.7	--
Sulfide, Total	--	--	--	--	--	--	0.10 U	0.10 U	--
Total Organic Carbon	--	--	--	--	--	--	1.1	1.0 U	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	--	--	--	--	--	3.0 U	3.0 U	--
Ethane	--	--	--	--	--	--	1.0 U	1.0 U	--
Ethene	--	--	--	--	--	--	1.0 U	1.0 U	--
Acetylene	--	--	--	--	--	--	1.0 U	1.0 U	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
 -- = not analyzed
Bold = detected compound
 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 and Acronyms:
 FD = field duplicate
 µg/L = microgram per liter
 mg/L = milligram per liter
 N = primary sample
 NWTPH = Northwest Total Petroleum Hydrocarbon
 PDN = passive diffusion primary sample
 PDFD = passive diffusion field duplicate
 SDG = sample delivery group
 SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW161	AGW162	AGW163	AGW164	AGW165	AGW166	AGW167	AGW168	AGW169
Field Sample ID:	AGW161-20160622	AGW162-20160621	AGW163-20160620	AGW164-20160616	AGW165-20160616	AGW166-20160623	AGW167-20160623	AGW168-20160615	AGW169-20160615
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Shallow	Intermediate	Deep	Intermediate	Deep
Laboratory SDG:	1676411	1675363	1674093	1673585	1673585	1676202	1676202	1672629	1672629
Sample ID:	8447864	8441416	8435640/8435641	8433221	8433220	8445642	8445641	8428694/8428695	8428686/8428687
Sample Date:	6/22/16	6/21/16	6/20/16	6/16/16	6/16/16	6/23/16	6/23/16	6/15/16	6/15/16
Sample Type:	PDN	PDN	N	PDN	PDN	PDN	PDN	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	23 U	31 U	5.0 U	23 U	5.0 U	61 U	36 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	0.2 U	0.2 U	1.2	0.2	1.4	0.4	2.4	1.7	1.5
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.2	0.6	4.4	1.4	2.3	0.2 U	5.9	5.7	5.8
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW161	AGW162	AGW163	AGW164	AGW165	AGW166	AGW167	AGW168	AGW169
Field Sample ID:	AGW161-20160622	AGW162-20160621	AGW163-20160620	AGW164-20160616	AGW165-20160616	AGW166-20160623	AGW167-20160623	AGW168-20160615	AGW169-20160615
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Shallow	Intermediate	Deep	Intermediate	Deep
Laboratory SDG:	1676411	1675363	1674093	1673585	1673585	1676202	1676202	1672629	1672629
Sample ID:	8447864	8441416	8435640/8435641	8433221	8433220	8445642	8445641	8428694/8428695	8428686/8428687
Sample Date:	6/22/16	6/21/16	6/20/16	6/16/16	6/16/16	6/23/16	6/23/16	6/15/16	6/15/16
Sample Type:	PDN	PDN	N	PDN	PDN	PDN	PDN	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.020 U	0.020 U	0.025	0.020 U	0.26	0.20	0.11	0.052	0.042
Conventionals (mg/L)									
Nitrogen, Nitrate (as N)	--	--	0.10 U	--	--	--	--	0.10 U	0.12 J
Sulfate	--	--	13.9	--	--	--	--	10.2	11.8
Sulfide, Total	--	--	0.10 U	--	--	--	--	0.10 U	0.10 U
Total Organic Carbon	--	--	1.0 U	--	--	--	--	1.0 U	1.0 U
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	--	24	--	--	--	--	15	3.0 U
Ethane	--	--	1.0 U	--	--	--	--	1.0 U	1.0 U
Ethene	--	--	1.0 U	--	--	--	--	1.0 U	1.0 U
Acetylene	--	--	1.0 U	--	--	--	--	1.0 U	1.0 U
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW170	AGW171	AGW172	AGW172	AGW173	AGW174	AGW174	AGW175	AGW176
Field Sample ID:	AGW170-20160623	AGW171-20160623	AGW172-20160620	AGW905-20160620	AGW173-20160620	AGW174-20160614	AGW901-20160614	AGW175-20160621	AGW176-20160620
Zone:	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate
Laboratory SDG:	1676202	1676202	1674650	1674650	1674650	1672097	1672097	1675363	1674650
Sample ID:	8445644	8445643	8438251	8438250	8438252	8426386	8426387/8426384	8441410	8438253
Sample Date:	6/23/16	6/23/16	6/20/16	6/20/16	6/20/16	6/14/16	6/14/16	6/21/16	6/20/16
Sample Type:	PDN	PDN	PDN	PDFD	PDN	N	FD	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	34 U	37 U	54 U	53 U	52 U	5.0 U	5.0 U	5.0 U	100 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	0.4	0.2 U	0.4	0.4	0.2 U	0.2 U	0.2 U	0.4	0.3
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	2.5	1.4	4.1	3.9	0.2	1.9	1.9	2.4	3.8
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW170	AGW171	AGW172	AGW172	AGW173	AGW174	AGW174	AGW175	AGW176
Field Sample ID:	AGW170-20160623	AGW171-20160623	AGW172-20160620	AGW905-20160620	AGW173-20160620	AGW174-20160614	AGW901-20160614	AGW175-20160621	AGW176-20160620
Zone:	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate
Laboratory SDG:	1676202	1676202	1674650	1674650	1674650	1672097	1672097	1675363	1674650
Sample ID:	8445644	8445643	8438251	8438250	8438252	8426386	8426387/8426384	8441410	8438253
Sample Date:	6/23/16	6/23/16	6/20/16	6/20/16	6/20/16	6/14/16	6/14/16	6/21/16	6/20/16
Sample Type:	PDN	PDN	PDN	PDFD	PDN	N	FD	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
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
Conventionals (mg/L)									
Nitrogen, Nitrate (as N)	--	--	--	--	--	0.98	0.99	--	--
Sulfate	--	--	--	--	--	13.9	13.9	--	--
Sulfide, Total	--	--	--	--	--	0.10 U	0.10 U	--	--
Total Organic Carbon	--	--	--	--	--	1.0 U	1.0 U	--	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	--	--	--	--	3.0 U	3.0 U	--	--
Ethane	--	--	--	--	--	1.0 U	1.0 U	--	--
Ethene	--	--	--	--	--	1.0 U	1.0 U	--	--
Acetylene	--	--	--	--	--	1.0 U	1.0 U	--	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW177	AGW178	AGW179	AGW180	AGW181	AGW182	AGW183	AGW184	AGW185
Field Sample ID:	AGW177-20160622	AGW178-20160622	AGW179-20160614	AGW180-20160614	AGW181-20160613	AGW182-20160622	AGW183-20160622	AGW184-20160621	AGW185-20160614
Zone:	Intermediate	Deep	Intermediate	Deep	Intermediate	Intermediate	Deep	Intermediate	Deep
Laboratory SDG:	1676411	1676411	1672094	1672094	1671664	1676411	1676411	1675363	1672094
Sample ID:	8447855	8447856	8426364/8426365	8426366/8426367	8424512/8424513	8447857	8447858	8441420	8426368/8426369
Sample Date:	6/22/16	6/22/16	6/14/16	6/14/16	6/13/16	6/22/16	6/22/16	6/21/16	6/14/16
Sample Type:	PDN	PDN	N	N	N	PDN	PDN	PDN	N
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	35 U	42 U	5.0 U	5.0 U	5.0 U	52 U	5.0 U	23 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	1.3	0.5	7.1	0.2	1.2	2.6	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	5.1	4.8	0.2 U	3.5	5.3	1.7	0.2 U	0.4	3.0
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW177	AGW178	AGW179	AGW180	AGW181	AGW182	AGW183	AGW184	AGW185
Field Sample ID:	AGW177-20160622	AGW178-20160622	AGW179-20160614	AGW180-20160614	AGW181-20160613	AGW182-20160622	AGW183-20160622	AGW184-20160621	AGW185-20160614
Zone:	Intermediate	Deep	Intermediate	Deep	Intermediate	Intermediate	Deep	Intermediate	Deep
Laboratory SDG:	1676411	1676411	1672094	1672094	1671664	1676411	1676411	1675363	1672094
Sample ID:	8447855	8447856	8426364/8426365	8426366/8426367	8424512/8424513	8447857	8447858	8441420	8426368/8426369
Sample Date:	6/22/16	6/22/16	6/14/16	6/14/16	6/13/16	6/22/16	6/22/16	6/21/16	6/14/16
Sample Type:	PDN	PDN	N	N	N	PDN	PDN	PDN	N
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.020 U	0.020 U	0.080	0.020 U	0.029	0.16	0.020 U	0.020 U	0.020 U
Conventionals (mg/L)									
Nitrogen, Nitrate (as N)	--	--	0.10 U	0.60	0.10 U	--	--	--	0.89
Sulfate	--	--	1.0 U	13.8	12.1	--	--	--	14.8
Sulfide, Total	--	--	0.10 U	0.10 U	0.10 U	--	--	--	0.10 U
Total Organic Carbon	--	--	13.6	1.0 U	1.0 U	--	--	--	1.0 U
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	--	6,000	3.0 U	19	--	--	--	3.0 U
Ethane	--	--	1.0 U	1.0 U	1.0 U	--	--	--	1.0 U
Ethene	--	--	1.0 U	1.0 U	1.0 U	--	--	--	1.0 U
Acetylene	--	--	1.0 U	1.0 U	1.0 U	--	--	--	1.0 U
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW186	AGW187	AGW188	AGW189	AGW190	AGW191	AGW192	AGW193	AGW194
Field Sample ID:	AGW186-20160621	AGW187-20160622	AGW188-20160613	AGW189-20160621	AGW190-20160620	AGW191-20160623	AGW192-20160623	AGW193-20160623	AGW194-20160614
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Shallow	Shallow
Laboratory SDG:	1675363	1676411	1671664	1675363	1674650	1676210	1676210	1676202	1672086
Sample ID:	8441419	8447863	8424506/8424507	8441412	8438247	8445687	8445688	8445640	8426331/8426332
Sample Date:	6/21/16	6/22/16	6/13/16	6/21/16	6/20/16	6/23/16	6/23/16	6/23/16	6/14/16
Sample Type:	PDN	PDN	N	PDN	PDN	PDN	PDN	PDN	N
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	37 U	40 U	5.0 U	34 U	35 U	25 U	51 U	10 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	0.2 U	0.2	0.6	0.2 U	0.2 U	0.2 U	0.2 U	1.6	0.7
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.7	1.8	4.6	0.9	1.2	0.2 U	0.2 U	3.3	1.8
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW186	AGW187	AGW188	AGW189	AGW190	AGW191	AGW192	AGW193	AGW194
Field Sample ID:	AGW186-20160621	AGW187-20160622	AGW188-20160613	AGW189-20160621	AGW190-20160620	AGW191-20160623	AGW192-20160623	AGW193-20160623	AGW194-20160614
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Shallow	Shallow
Laboratory SDG:	1675363	1676411	1671664	1675363	1674650	1676210	1676210	1676202	1672086
Sample ID:	8441419	8447863	8424506/8424507	8441412	8438247	8445687	8445688	8445640	8426331/8426332
Sample Date:	6/21/16	6/22/16	6/13/16	6/21/16	6/20/16	6/23/16	6/23/16	6/23/16	6/14/16
Sample Type:	PDN	PDN	N	PDN	PDN	PDN	PDN	PDN	N
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.020 U	0.020 U	0.023	0.020 U	0.020 U	0.020 U	0.020 U	0.14	0.020 U
Conventional (mg/L)									
Nitrogen, Nitrate (as N)	--	--	0.10 U	--	--	--	--	--	0.10 U
Sulfate	--	--	11.5	--	--	--	--	--	12.1
Sulfide, Total	--	--	0.10 U	--	--	--	--	--	0.10 U
Total Organic Carbon	--	--	1.0 U	--	--	--	--	--	7.1
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	--	8.1	--	--	--	--	--	32
Ethane	--	--	1.0 U	--	--	--	--	--	1.0 U
Ethene	--	--	1.0 U	--	--	--	--	--	1.0 U
Acetylene	--	--	1.0 U	--	--	--	--	--	1.0 U
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW195	AGW196	AGW197	AGW198	AGW199	AGW199	AGW200-2	AGW200-5	AGW200-5
Field Sample ID:	AGW195-20160613	AGW196-20160613	AGW197-20160613	AGW198-20160613	AGW199-20160620	AGW906-20160620	AGW200-2-30-20160621	AGW200-5-60-20160621	AGW904-20160621
Zone:	Deep	Intermediate	Deep	Intermediate	Deep	Deep	Shallow	Intermediate	Intermediate
Laboratory SDG:	1671665	1671665	1671665	1671665	1674650	1674650	1675361	1675361	1675361
Sample ID:	8424518/8424519	8424516/8424517	8424526/8424527	8424524/8424525	8438254	8438255	8441386	8441384	8441385
Sample Date:	6/13/16	6/13/16	6/13/16	6/13/16	6/20/16	6/20/16	6/21/16	6/21/16	6/21/16
Sample Type:	N	N	N	N	PDN	PDFD	N	N	FD
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	36 U	35 U	5.0 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.9	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
1,1-Dichloroethene	0.2 U	0.2	0.2 U	0.2 U	0.2	0.2	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.9	3.8	0.7	0.7	1.1	1.0	2.7	5.2	5.2
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.5	0.5
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	8.0	0.2 U	9.2	7.3	8.4	8.1	0.4	1.8	1.8
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	2.4	0.2 U	0.2 U	0.2 U	0.2 U	1.1	1.2	1.2
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW195	AGW196	AGW197	AGW198	AGW199	AGW199	AGW200-2	AGW200-5	AGW200-5
Field Sample ID:	AGW195-20160613	AGW196-20160613	AGW197-20160613	AGW198-20160613	AGW199-20160620	AGW906-20160620	AGW200-2-30-20160621	AGW200-5-60-20160621	AGW904-20160621
Zone:	Deep	Intermediate	Deep	Intermediate	Deep	Deep	Shallow	Intermediate	Intermediate
Laboratory SDG:	1671665	1671665	1671665	1671665	1674650	1674650	1675361	1675361	1675361
Sample ID:	8424518/8424519	8424516/8424517	8424526/8424527	8424524/8424525	8438254	8438255	8441386	8441384	8441385
Sample Date:	6/13/16	6/13/16	6/13/16	6/13/16	6/20/16	6/20/16	6/21/16	6/21/16	6/21/16
Sample Type:	N	N	N	N	PDN	PDFD	N	N	FD
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.020 U	--	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--
Conventional (mg/L)									
Nitrogen, Nitrate (as N)	0.34	0.10 U	0.10 U	0.47 J	--	--	--	--	--
Sulfate	13.9	1.0 U	13.4	13.5 J	--	--	--	--	--
Sulfide, Total	0.10 U	0.10 U	0.10 U	0.10 U	--	--	--	--	--
Total Organic Carbon	1.0 U	11.2	1.0 U	1.0 U	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	3.0 U	5,700	92	9.2	--	--	--	--	--
Ethane	1.0 U	1.0 U	1.0 U	1.0 U	--	--	--	--	--
Ethene	1.0 U	1.0 U	1.0 U	1.0 U	--	--	--	--	--
Acetylene	1.0 U	1.0 U	1.0 U	1.0 U	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW200-6	AGW201-2	AGW201-2	AGW201-5	AGW201-6	AGW202-2	AGW202-4	AGW202-6	AGW203-2
Field Sample ID:	AGW200-6-80-20160621	AGW201-2-30-20160621	AGW909-20160621	AGW201-5-60-20160621	AGW201-6-80-20160621	AGW202-2-30-20160615	AGW202-4-51-20160615	AGW202-6-81-20160615	AGW203-2-30-20160615
Zone:	Deep	Shallow	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Shallow
Laboratory SDG:	1675361	1675361	1675361	1675361	1675361	1673247	1673247	1673247	1672629
Sample ID:	8441383	8441389	8441388	8441387	8441394	8431459	8431460	8431461	8428692/8428693
Sample Date:	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/15/16	6/15/16	6/15/16	6/15/16
Sample Type:	N	N	FD	N	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)									
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
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	4.3	2.7	2.7	3.3	4.6	1.2	1.3	0.3	0.2 U
trans-1,2-Dichloroethene	0.5	0.2 U	0.2 U	0.3	0.4	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.2	0.6	0.6	5.5	7.8	1.7	3.4	1.1	1
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	1.0	1.0	1.1	0.8	0.5	0.2	0.5	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW200-6	AGW201-2	AGW201-2	AGW201-5	AGW201-6	AGW202-2	AGW202-4	AGW202-6	AGW203-2
Field Sample ID:	AGW200-6-80-20160621	AGW201-2-30-20160621	AGW909-20160621	AGW201-5-60-20160621	AGW201-6-80-20160621	AGW202-2-30-20160615	AGW202-4-51-20160615	AGW202-6-81-20160615	AGW203-2-30-20160615
Zone:	Deep	Shallow	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Shallow
Laboratory SDG:	1675361	1675361	1675361	1675361	1675361	1673247	1673247	1673247	1672629
Sample ID:	8441383	8441389	8441388	8441387	8441394	8431459	8431460	8431461	8428692/8428693
Sample Date:	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/15/16	6/15/16	6/15/16	6/15/16
Sample Type:	N	N	FD	N	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	--	--	--	--	0.42	0.18	--	0.020 U	0.020 U
Conventional (mg/L)									
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	0.65
Sulfate	--	--	--	--	--	--	--	--	13.8
Sulfide, Total	--	--	--	--	--	--	--	--	0.10 U
Total Organic Carbon	--	--	--	--	--	--	--	--	1.0 U
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	--	--	--	--	--	--	--	3.0 U
Ethane	--	--	--	--	--	--	--	--	1.0 U
Ethene	--	--	--	--	--	--	--	--	1.0 U
Acetylene	--	--	--	--	--	--	--	--	1.0 U
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW203-4	AGW203-6	AGW204	AGW205	AGW206	AGW207-2	AGW207-4	AGW207-7	AGW208-2
Field Sample ID:	AGW203-4-49-20160615	AGW203-6-80-20160615	AGW204-20160617	AGW205-20160622	AGW206-20160622	AGW207-2-30-20160614	AGW207-4-49-20160614	AGW207-7-80-20160614	AGW208-2-29-20160615
Zone:	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Shallow	Intermediate	Deep	Shallow
Laboratory SDG:	1672629	1672629	1673571	1676410	1676410	1672094	1672094	1672094	1673247
Sample ID:	8428688/8428689	8428690/8428691	8433130	8447838	8447843	8426358/8426359	8426360/8426361	8426362/8426363	8431464
Sample Date:	6/15/16	6/15/16	6/17/16	6/22/16	6/22/16	6/14/16	6/14/16	6/14/16	6/15/16
Sample Type:	N	N	PDN	PDN	PDN	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	5.0 U	5.0 U	23 U	23 U	30 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	0.2	0.2 U	0.2 U	0.2 U	0.2 U	4.1	2.4	0.7	4.9
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
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.4	0.2 U	0.3	0.2 U	0.3	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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	4.1	0.2 U	0.2 U	0.2 U	0.5	8.1	7.2	6.3	3.3
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	2.4
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW203-4	AGW203-6	AGW204	AGW205	AGW206	AGW207-2	AGW207-4	AGW207-7	AGW208-2
Field Sample ID:	AGW203-4-49-20160615	AGW203-6-80-20160615	AGW204-20160617	AGW205-20160622	AGW206-20160622	AGW207-2-30-20160614	AGW207-4-49-20160614	AGW207-7-80-20160614	AGW208-2-29-20160615
Zone:	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Shallow	Intermediate	Deep	Shallow
Laboratory SDG:	1672629	1672629	1673571	1676410	1676410	1672094	1672094	1672094	1673247
Sample ID:	8428688/8428689	8428690/8428691	8433130	8447838	8447843	8426358/8426359	8426360/8426361	8426362/8426363	8431464
Sample Date:	6/15/16	6/15/16	6/17/16	6/22/16	6/22/16	6/14/16	6/14/16	6/14/16	6/15/16
Sample Type:	N	N	PDN	PDN	PDN	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.16	0.21	0.026	--
Conventionals (mg/L)									
Nitrogen, Nitrate (as N)	0.47	0.24	--	--	--	0.10 U	0.10 U	0.27	--
Sulfate	13.7	10.4	--	--	--	11.7	11.4	13.0	--
Sulfide, Total	0.10 U	0.10 U	--	--	--	0.10 U	0.10 U	0.10 U	--
Total Organic Carbon	1.0 U	1.0 U	--	--	--	1.4	1.0 U	1.0 U	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	3.0 U	4.2	--	--	--	110	51	13	--
Ethane	1.0 U	1.0 U	--	--	--	1.0 U	1.0 U	1.0 U	--
Ethene	1.0 U	1.0 U	--	--	--	1.0 U	1.0 U	1.0 U	--
Acetylene	1.0 U	1.0 U	--	--	--	1.0 U	1.0 U	1.0 U	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW208-4	AGW208-6	AGW208-6	AGW209-2	AGW209-5	AGW209-6	AGW210-2	AGW210-5	AGW210-6
Field Sample ID:	AGW208-4-49-20160615	AGW208-6-80-20160615	AGW910-20160615	AGW209-2-30-20160613	AGW209-5-60-20160613	AGW209-6-80-20160613	AGW210-2-30-20160617	AGW210-5-60-20160617	AGW210-6-80-20160617
Zone:	Intermediate	Deep	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep
Laboratory SDG:	1673247	1673247	1673247	1671667	1671667	1671667	1673574	1673574	1673574
Sample ID:	8431466	8431463	8431462	8424531/8424532	8424534/8424535	8424536/8424537	8433149	8433148	8433147
Sample Date:	6/15/16	6/15/16	6/15/16	6/13/16	6/13/16	6/13/16	6/17/16	6/17/16	6/17/16
Sample Type:	N	N	FD	N	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)									
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
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	0.3	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	1.4	0.6	0.6	0.2 U	1.5	0.9	0.2 U	1.0	0.2
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
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	4.0	5.8	5.6	0.2 U	2.5	5.9	0.2 U	1.5	4.3
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	1.7	1.0	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW208-4	AGW208-6	AGW208-6	AGW209-2	AGW209-5	AGW209-6	AGW210-2	AGW210-5	AGW210-6
Field Sample ID:	AGW208-4-49-20160615	AGW208-6-80-20160615	AGW910-20160615	AGW209-2-30-20160613	AGW209-5-60-20160613	AGW209-6-80-20160613	AGW210-2-30-20160617	AGW210-5-60-20160617	AGW210-6-80-20160617
Zone:	Intermediate	Deep	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep
Laboratory SDG:	1673247	1673247	1673247	1671667	1671667	1671667	1673574	1673574	1673574
Sample ID:	8431466	8431463	8431462	8424531/8424532	8424534/8424535	8424536/8424537	8433149	8433148	8433147
Sample Date:	6/15/16	6/15/16	6/15/16	6/13/16	6/13/16	6/13/16	6/17/16	6/17/16	6/17/16
Sample Type:	N	N	FD	N	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.020 U	0.020 U	0.020 U	--	0.85	0.020 U	0.020 U	0.032	0.020 U
Conventional (mg/L)									
Nitrogen, Nitrate (as N)	--	--	--	0.10 U	0.10 U	0.33	--	--	--
Sulfate	--	--	--	1.0 U	5.5	13.6	--	--	--
Sulfide, Total	--	--	--	0.11 J	0.10 U	0.10 U	--	--	--
Total Organic Carbon	--	--	--	35.0	4.0	1.0 U	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	--	--	8,300	1,100	20	--	--	--
Ethane	--	--	--	1.1	1.0 U	1.0 U	--	--	--
Ethene	--	--	--	1.0 U	1.0 U	1.0 U	--	--	--
Acetylene	--	--	--	1.0 U	1.0 U	1.0 U	--	--	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location: Field Sample ID: Zone: Laboratory SDG: Sample ID: Sample Date: Sample Type:	AGW211-2 AGW211-2-30-20160613 Shallow 1671667 8424538/8424539 6/13/16 N	AGW211-5 AGW211-5-60-20160613 Intermediate 1671667 8424542/8424543 6/13/16 N	AGW211-6 AGW211-6-80-20160613 Deep 1671667 8424540/8424541 6/13/16 N	AGW212-2 AGW212-2-30-20160617 Shallow 1673574 8433152 6/17/16 N	AGW212-5 AGW212-5-60-20160617 Intermediate 1673574 8433153 6/17/16 N	AGW212-7 AGW212-7-100-20160617 Deep 1673574 8433154 6/17/16 N	AGW213 AGW213-20160613 Deep 1671664 8424510/8424511 6/13/16 N	AGW214 AGW214-20160620 Intermediate 1674650 8438257 6/20/16 N	AGW215 AGW215-20160620 Intermediate 1674650 8438256 6/20/16 N
Volatile Organic Compounds (µg/L; SW-846 8260C)									
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
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	0.2 U	0.9	0.6	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	4.2	2.6	0.2 U	1.5	4.3	0.2 U	2.7	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	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW211-2	AGW211-5	AGW211-6	AGW212-2	AGW212-5	AGW212-7	AGW213	AGW214	AGW215
Field Sample ID:	AGW211-2-30-20160613	AGW211-5-60-20160613	AGW211-6-80-20160613	AGW212-2-30-20160617	AGW212-5-60-20160617	AGW212-7-100-20160617	AGW213-20160613	AGW214-20160620	AGW215-20160620
Zone:	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Deep	Intermediate	Intermediate
Laboratory SDG:	1671667	1671667	1671667	1673574	1673574	1673574	1671664	1674650	1674650
Sample ID:	8424538/8424539	8424542/8424543	8424540/8424541	8433152	8433153	8433154	8424510/8424511	8438257	8438256
Sample Date:	6/13/16	6/13/16	6/13/16	6/17/16	6/17/16	6/17/16	6/13/16	6/20/16	6/20/16
Sample Type:	N	N	N	N	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.024	0.020 U	0.020 U
Conventionals (mg/L)									
Nitrogen, Nitrate (as N)	0.10 U	0.15	0.54	--	--	--	0.10 U	--	--
Sulfate	1.0 U	13.7	12.4	--	--	--	11.2	--	--
Sulfide, Total	0.10 U	0.10 U	0.28	--	--	--	0.10 U	--	--
Total Organic Carbon	8.7	1.0 U	2.3	--	--	--	1.0 U	--	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	2,500	170	310	--	--	--	30	--	--
Ethane	1.0 U	1.0 U	1.0 U	--	--	--	1.0 U	--	--
Ethene	1.0 U	1.0 U	1.0 U	--	--	--	1.0 U	--	--
Acetylene	1.0 U	1.0 U	1.0 U	--	--	--	1.0 U	--	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW216	AGW217	AGW218	AGW219	AGW220	AGW221	AGW221	AGW222	AGW223
Field Sample ID:	AGW216-20160622	AGW217-20160613	AGW218-20160622	AGW219-20160620	AGW220-20160614	AGW221-20160620	AGW911-20160620	AGW222-20160617	AGW223-20160617
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep
Laboratory SDG:	1676411	1671664	1676411	1674650	1672086	1674650	1674650	1673571	1673571
Sample ID:	8447861	8424508/8424509	8447860	8438246	8426329/8426330	8438258	8438259	8433126	8433132
Sample Date:	6/22/16	6/13/16	6/22/16	6/20/16	6/14/16	6/20/16	6/20/16	6/17/16	6/17/16
Sample Type:	N	N	N	PDN	N	N	FD	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	5.0 U	5.0 U	5.0 U	39 U	5.0 U	5.0 U	5.0 U	19 U	24 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	0.2 U	0.2	0.4	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1	1.8	3.5	0.2 U	0.4	0.2 U	0.2 U	0.5	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW216	AGW217	AGW218	AGW219	AGW220	AGW221	AGW221	AGW222	AGW223
Field Sample ID:	AGW216-20160622	AGW217-20160613	AGW218-20160622	AGW219-20160620	AGW220-20160614	AGW221-20160620	AGW911-20160620	AGW222-20160617	AGW223-20160617
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep
Laboratory SDG:	1676411	1671664	1676411	1674650	1672086	1674650	1674650	1673571	1673571
Sample ID:	8447861	8424508/8424509	8447860	8438246	8426329/8426330	8438258	8438259	8433126	8433132
Sample Date:	6/22/16	6/13/16	6/22/16	6/20/16	6/14/16	6/20/16	6/20/16	6/17/16	6/17/16
Sample Type:	N	N	N	PDN	N	N	FD	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
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
Conventionals (mg/L)									
Nitrogen, Nitrate (as N)	--	0.10 U	--	--	0.10 U	--	--	--	--
Sulfate	--	9.8	--	--	2.8	--	--	--	--
Sulfide, Total	--	0.10 U	--	--	0.10 U	--	--	--	--
Total Organic Carbon	--	1.0 U	--	--	1.0 U	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	32	--	--	380	--	--	--	--
Ethane	--	1.0 U	--	--	1.0 U	--	--	--	--
Ethene	--	1.0 U	--	--	1.0 U	--	--	--	--
Acetylene	--	1.0 U	--	--	1.0 U	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW224	AGW225	AGW226	AGW226	AGW226	AGW227	AGW227	AGW227	AGW228
Field Sample ID:	AGW224-20160622	AGW225-20160623	AGW226-20160621	AGW226PD2-20160621	AGW226PD6-20160621	AGW227-20160621	AGW227PD42-20160621	AGW227PD46-20160621	AGW228-20160621
Zone:	Shallow-WT	Shallow	Shallow	Shallow	Shallow	Intermediate	Intermediate	Intermediate	Shallow
Laboratory SDG:	1676411	1676210	1675364	1675364	1675364	1675364	1675364	1675364	1675364
Sample ID:	8447859	8445685/8445686	8441423/8441424	8441426	8441427	8441430	8441428	8441429	8441433
Sample Date:	6/22/16	6/23/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16
Sample Type:	PDN	N	N	PDN	PDN	N	PDN	PDN	N
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	51 U	5.0 U	5.0 U	14 U	47 U	5.0 U	25 U	20 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	0.2 U	4.4	4.8	4.2	4.5	2.5	2.7	2.2	3.0
trans-1,2-Dichloroethene	0.2 U	0.5	0.3	0.3	0.3	0.3	0.4	0.2	0.4
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	2.3	1	0.9	1.4	2.3	2.2	0.9	2.8
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.5	0.7	0.6	0.8	0.3	0.3	0.3	0.3
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW224	AGW225	AGW226	AGW226	AGW226	AGW227	AGW227	AGW227	AGW228
Field Sample ID:	AGW224-20160622	AGW225-20160623	AGW226-20160621	AGW226PD2-20160621	AGW226PD6-20160621	AGW227-20160621	AGW227PD42-20160621	AGW227PD46-20160621	AGW228-20160621
Zone:	Shallow-WT	Shallow	Shallow	Shallow	Shallow	Intermediate	Intermediate	Intermediate	Shallow
Laboratory SDG:	1676411	1676210	1675364	1675364	1675364	1675364	1675364	1675364	1675364
Sample ID:	8447859	8445685/8445686	8441423/8441424	8441426	8441427	8441430	8441428	8441429	8441433
Sample Date:	6/22/16	6/23/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16
Sample Type:	PDN	N	N	PDN	PDN	N	PDN	PDN	N
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.020 U	0.37	0.54	0.50	0.57	0.19	0.21	0.24	0.22
Conventionals (mg/L)									
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--
Sulfate	--	4.9	7.4	--	--	--	--	--	--
Sulfide, Total	--	0.10 U	0.10 U	--	--	--	--	--	--
Total Organic Carbon	--	3.6	2.7	--	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	330	1,200	--	--	--	--	--	--
Ethane	--	1.0 U	1.0 U	--	--	--	--	--	--
Ethene	--	1.0 U	1.0 U	--	--	--	--	--	--
Acetylene	--	1.0 U	1.0 U	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW228	AGW228	AGW229	AGW230	AGW231	AGW232	AGW233	AGW234	AGW235-2
Field Sample ID:	AGW228PD20-20160621	AGW228PD24-20160621	AGW229-20160623	AGW230-20160621	AGW231-20160613	AGW232-20160613	AGW233-20160622	AGW234-20160617	AGW235-2-19-20160615
Zone:	Shallow	Shallow	Shallow-WT	Deep	Shallow	Shallow	Deep	Deep	Shallow
Laboratory SDG:	1675364	1675364	1676202	1675363	1671665	1671665	1676411	1673574	1672630
Sample ID:	8441431	8441432	8445645	8441421	8424522/8424523	8424520/8424521	8447862	8433151	8428700/8428701
Sample Date:	6/21/16	6/21/16	6/23/16	6/21/16	6/13/16	6/13/16	6/22/16	6/17/16	6/15/16
Sample Type:	PDN	PDN	PDN	PDN	N	N	PDN	PDN	N
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	14 U	14 U	38 U	43 U	5.0 U	5.0 U	25 U	21 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	0.5 U	0.5 U	0.5 U
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
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.3	0.2
cis-1,2-Dichloroethene	2.9	3.1	0.9	0.2 U	0.9	4.6	0.2 U	1.6	2.3
trans-1,2-Dichloroethene	0.4	0.4	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	2.2	1.9	2.1	1.1	0.7	0.2 U	0.2 U	5.7	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	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.3	0.3	0.2 U	0.2 U	2.8	1.8	0.2 U	0.2 U	2.5
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW228	AGW228	AGW229	AGW230	AGW231	AGW232	AGW233	AGW234	AGW235-2
Field Sample ID:	AGW228PD20-20160621	AGW228PD24-20160621	AGW229-20160623	AGW230-20160621	AGW231-20160613	AGW232-20160613	AGW233-20160622	AGW234-20160617	AGW235-2-19-20160615
Zone:	Shallow	Shallow	Shallow-WT	Deep	Shallow	Shallow	Deep	Deep	Shallow
Laboratory SDG:	1675364	1675364	1676202	1675363	1671665	1671665	1676411	1673574	1672630
Sample ID:	8441431	8441432	8445645	8441421	8424522/8424523	8424520/8424521	8447862	8433151	8428700/8428701
Sample Date:	6/21/16	6/21/16	6/23/16	6/21/16	6/13/16	6/13/16	6/22/16	6/17/16	6/15/16
Sample Type:	PDN	PDN	PDN	PDN	N	N	PDN	PDN	N
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.24	0.24	0.020 U	0.020 U	--	--	0.020 U	0.10	2.2
Conventional (mg/L)									
Nitrogen, Nitrate (as N)	--	--	--	--	0.10 U	0.10 U	--	--	0.10 U
Sulfate	--	--	--	--	1.0 U	1.0 U	--	--	1.0 U
Sulfide, Total	--	--	--	--	0.10 U	0.10 U	--	--	0.10 U
Total Organic Carbon	--	--	--	--	26.5	16.8	--	--	2.8
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	--	--	--	4,600	3,700	--	--	2,900
Ethane	--	--	--	--	1.0 U	1.0 U	--	--	1.0 U
Ethene	--	--	--	--	1.0 U	1.0 U	--	--	1.0 U
Acetylene	--	--	--	--	1.0 U	1.0 U	--	--	1.0 U
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW235-4	AGW235-7	AGW236	AGW237	AGW237	AGW237	AGW237	AGW237	AGW237
Field Sample ID:	AGW235-4-39-20160615	AGW235-7-71-20160615	AGW236-20160617	AGW237-20160614	AGW237PD-72-20160614	AGW237PD-76-20160614	AGW902-20160614	AGW902PD-1-20160614	AGW902PD-2-20160614
Zone:	Intermediate	Deep	Shallow	Deep	Deep	Deep	Deep	Deep	Deep
Laboratory SDG:	1672630	1672630	1673574	1672086	1672086	1672086	1672086	1672086	1672086
Sample ID:	8428702/8428703	8428704/8428705	8433150	8426335/8426336	8426328	8426325	8426333/8426334	8426327	8426326
Sample Date:	6/15/16	6/15/16	6/17/16	6/14/16	6/14/16	6/14/16	6/14/16	6/14/16	6/14/16
Sample Type:	N	N	PDN	N	PDN	PDN	FD	PDFD	PDFD
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	5.0 U	5.0 U	55 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.6	0.5	0.5	0.6	0.5	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	0.2 U
1,1-Dichloroethene	0.3	0.2 U	0.2 U	1	0.9	1.0	1	0.9	1.0
cis-1,2-Dichloroethene	9.5	0.2 U	4.2	1.0	1.0	1.1	1.1	1.0	1.0
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
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	4.8	0.2 U	3.3	2.5	2.6	2.1	2.6	2.5	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	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW235-4	AGW235-7	AGW236	AGW237	AGW237	AGW237	AGW237	AGW237	AGW237
Field Sample ID:	AGW235-4-39-20160615	AGW235-7-71-20160615	AGW236-20160617	AGW237-20160614	AGW237PD-72-20160614	AGW237PD-76-20160614	AGW902-20160614	AGW902PD-1-20160614	AGW902PD-2-20160614
Zone:	Intermediate	Deep	Shallow	Deep	Deep	Deep	Deep	Deep	Deep
Laboratory SDG:	1672630	1672630	1673574	1672086	1672086	1672086	1672086	1672086	1672086
Sample ID:	8428702/8428703	8428704/8428705	8433150	8426335/8426336	8426328	8426325	8426333/8426334	8426327	8426326
Sample Date:	6/15/16	6/15/16	6/17/16	6/14/16	6/14/16	6/14/16	6/14/16	6/14/16	6/14/16
Sample Type:	N	N	PDN	N	PDN	PDN	FD	PDFD	PDFD
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.11	0.020 U	0.062	0.033	0.037	0.035	0.037	0.037	0.038
Conventionals (mg/L)									
Nitrogen, Nitrate (as N)	0.10 U	0.10 U	--	0.10 U	--	--	0.10 U	--	--
Sulfate	7.3	1.0 U	--	14.4	--	--	14.6	--	--
Sulfide, Total	0.10 U	0.10 U	--	0.10 U	--	--	0.10 U	--	--
Total Organic Carbon	1.0 U	1.3	--	1.0 U	--	--	1.0 U	--	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	290	1,100	--	9.0	--	--	8.8	--	--
Ethane	1.0 U	1.0 U	--	1.0 U	--	--	1.0 U	--	--
Ethene	1.0 U	1.0 U	--	1.0 U	--	--	1.0 U	--	--
Acetylene	1.0 U	1.0 U	--	1.0 U	--	--	1.0 U	--	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW238	AGW239	AGW240-1	AGW240-5	AGW241-1	AGW241-5	AGW242-1	AGW242-2	AGW242-5
Field Sample ID:	AGW238-20160613	AGW239-20160613	AGW240-1-7-20160615	AGW240-5-28-20160615	AGW241-1-6-20160615	AGW241-5-27-20160615	AGW242-1-6-20160615	AGW242-2-16-20160615	AGW242-5-60-20160615
Zone:	Intermediate	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Intermediate
Laboratory SDG:	1671668	1671668	1673247	1673247	1673245	1673245	1673245	1673245	1673245
Sample ID:	8424550/8424551	8424548/8424549	8431454/8431455	8431456/8431457	8431448	8431449	8431441	8431442	8431443
Sample Date:	6/13/16	6/13/16	6/15/16	6/15/16	6/15/16	6/15/16	6/15/16	6/15/16	6/15/16
Sample Type:	N	N	N	N	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)									
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
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	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
1,1-Dichloroethene	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	0.2 U	13	0.2 U	0.3	0.2 U	0.6	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.6	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	1.5	0.2 U	2.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW238	AGW239	AGW240-1	AGW240-5	AGW241-1	AGW241-5	AGW242-1	AGW242-2	AGW242-5
Field Sample ID:	AGW238-20160613	AGW239-20160613	AGW240-1-7-20160615	AGW240-5-28-20160615	AGW241-1-6-20160615	AGW241-5-27-20160615	AGW242-1-6-20160615	AGW242-2-16-20160615	AGW242-5-60-20160615
Zone:	Intermediate	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Intermediate
Laboratory SDG:	1671668	1671668	1673247	1673247	1673245	1673245	1673245	1673245	1673245
Sample ID:	8424550/8424551	8424548/8424549	8431454/8431455	8431456/8431457	8431448	8431449	8431441	8431442	8431443
Sample Date:	6/13/16	6/13/16	6/15/16	6/15/16	6/15/16	6/15/16	6/15/16	6/15/16	6/15/16
Sample Type:	N	N	N	N	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.020 U	1.1	0.11	1.9	0.020 U	0.031	0.072	0.020 U	0.020 U
Conventionals (mg/L)									
Nitrogen, Nitrate (as N)	0.10 U	0.10 U	--	--	--	--	--	--	--
Sulfate	2.1	1.0 U	1.0 U	1.0 U	--	--	--	--	--
Sulfide, Total	0.10 U	0.10 U	0.10 U	0.10 U	--	--	--	--	--
Total Organic Carbon	1.0 U	2.7	7.5	20.2	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	600	1,500	5,700	8,100	--	--	--	--	--
Ethane	1.0 U	1.0 U	3.4	2.3	--	--	--	--	--
Ethene	1.0 U	1.0 U	1.0 U	2.0	--	--	--	--	--
Acetylene	1.0 U	1.0 U	1.0 U	1.0 U	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW243-1	AGW243-3	AGW243-5	AGW244	AGW245	AGW246	AGW247-1	AGW247-5	AGW248-1
Field Sample ID:	AGW243-1-6-20160615	AGW243-3-25-20160615	AGW243-5-50-20160615	AGW244-20160623	AGW245-20160622	AGW246-20160623	AGW247-1-6-20160615	AGW247-5-27-20160615	AGW248-1-5-20160621
Zone:	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow	Shallow-WT
Laboratory SDG:	1673245	1673245	1673245	1676202	1676412	1676210	1673245	1673245	1675366
Sample ID:	8431438	8431439	8431440	8445639	8447876	8445693	8431444/8431445	8431446/8431447	8441441
Sample Date:	6/15/16	6/15/16	6/15/16	6/23/16	6/22/16	6/23/16	6/15/16	6/15/16	6/21/16
Sample Type:	N	N	N	PDN	PDN	PDN	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	5.0 U	5.0 U	5.0 U	12 U	16 UJ	41 U	5.0 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.8	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	0.5	0.8	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4.9	4.4	0.2 U
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW243-1	AGW243-3	AGW243-5	AGW244	AGW245	AGW246	AGW247-1	AGW247-5	AGW248-1
Field Sample ID:	AGW243-1-6-20160615	AGW243-3-25-20160615	AGW243-5-50-20160615	AGW244-20160623	AGW245-20160622	AGW246-20160623	AGW247-1-6-20160615	AGW247-5-27-20160615	AGW248-1-5-20160621
Zone:	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow	Shallow-WT
Laboratory SDG:	1673245	1673245	1673245	1676202	1676412	1676210	1673245	1673245	1675366
Sample ID:	8431438	8431439	8431440	8445639	8447876	8445693	8431444/8431445	8431446/8431447	8441441
Sample Date:	6/15/16	6/15/16	6/15/16	6/23/16	6/22/16	6/23/16	6/15/16	6/15/16	6/21/16
Sample Type:	N	N	N	PDN	PDN	PDN	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.029	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	4.0	3.4	0.030
Conventionals (mg/L)									
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	1.0 U	1.0 U	--
Sulfide, Total	--	--	--	--	--	--	0.10 U	0.10 U	--
Total Organic Carbon	--	--	--	--	--	--	9.7	5.4	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	--	--	--	--	--	6,100	2,300	--
Ethane	--	--	--	--	--	--	1.0 U	1.0 U	--
Ethene	--	--	--	--	--	--	1.0 U	1.0 U	--
Acetylene	--	--	--	--	--	--	1.0 U	1.0 U	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW248-5	AGW249-1	AGW249-5	AGW250-1	AGW250-1	AGW250-2	AGW250-3	AGW250-6	AGW251-1
Field Sample ID:	AGW248-5-26-20160621	AGW249-1-8-20160621	AGW249-5-29-20160621	AGW250-1-9-20160622	AGW913-20160622	AGW250-2-26-20160622	AGW250-3-41-20160622	AGW250-6-81-20160622	AGW251-1-8-20160620
Zone:	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow-WT	Shallow	Intermediate	Deep	Shallow-WT
Laboratory SDG:	1675366	1675366	1675366	1676412	1676412	1676412	1676412	1676412	1674733
Sample ID:	8441442	8441444	8441443	8447870	8447874	8447871	8447872	8447873	8438847/8438848
Sample Date:	6/21/16	6/21/16	6/21/16	6/22/16	6/22/16	6/22/16	6/22/16	6/22/16	6/20/16
Sample Type:	N	N	N	N	FD	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)									
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
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	1.8	0.2 U	2.1	0.2 U	0.2 U	0.2	1	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	0.3	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	4.5	0.2 U	6.6	0.2 U	0.2 U	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	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.1
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW248-5	AGW249-1	AGW249-5	AGW250-1	AGW250-1	AGW250-2	AGW250-3	AGW250-6	AGW251-1
Field Sample ID:	AGW248-5-26-20160621	AGW249-1-8-20160621	AGW249-5-29-20160621	AGW250-1-9-20160622	AGW913-20160622	AGW250-2-26-20160622	AGW250-3-41-20160622	AGW250-6-81-20160622	AGW251-1-8-20160620
Zone:	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow-WT	Shallow	Intermediate	Deep	Shallow-WT
Laboratory SDG:	1675366	1675366	1675366	1676412	1676412	1676412	1676412	1676412	1674733
Sample ID:	8441442	8441444	8441443	8447870	8447874	8447871	8447872	8447873	8438847/8438848
Sample Date:	6/21/16	6/21/16	6/21/16	6/22/16	6/22/16	6/22/16	6/22/16	6/22/16	6/20/16
Sample Type:	N	N	N	N	FD	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.14	0.67	0.080	0.020 U	0.020 U	0.028	0.054	0.020 U	0.85
Conventionals (mg/L)									
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	20.7
Sulfide, Total	--	--	--	--	--	--	--	--	2.0 U
Total Organic Carbon	--	--	--	--	--	--	--	--	11.0
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	--	--	--	--	--	--	--	1,800
Ethane	--	--	--	--	--	--	--	--	1.0 U
Ethene	--	--	--	--	--	--	--	--	1.0 U
Acetylene	--	--	--	--	--	--	--	--	1.0 U
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
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UJ = The analyte was not detected in the sample; the reported sample reporting limit is an estimate.

Abbreviations and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW251-2	AGW251-3	AGW251-6	AGW252	AGW253	AGW254-1	AGW254-2	AGW254-5	AGW255-1
Field Sample ID:	AGW251-2-25-20160620	AGW251-3-40-20160620	AGW251-6-76-20160620	AGW252-20160621	AGW253-20160621	AGW254-1-20160623	AGW254-2-20-20160615	AGW254-5-50-20160615	AGW255-1-13-20160621
Zone:	Shallow	Intermediate	Deep	Deep	Intermediate	Shallow-WT	Shallow	Intermediate	Shallow-WT
Laboratory SDG:	1674733	1674733	1674733	1675363	1675363	1676210	1672630	1672630	1675364
Sample ID:	8438849/8438850	8438851/8438852	8438853	8441417	8441418	8445694	8428698/8428699	8428708/8428709	8441434
Sample Date:	6/20/16	6/20/16	6/20/16	6/21/16	6/21/16	6/23/16	6/15/16	6/15/16	6/21/16
Sample Type:	N	N	N	PDN	PDN	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	5.0 U	5.0 U	5.0 U	29 U	35 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	0.2 U	1.2	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.8
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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	0.6
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	2.7	6.1	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW251-2	AGW251-3	AGW251-6	AGW252	AGW253	AGW254-1	AGW254-2	AGW254-5	AGW255-1
Field Sample ID:	AGW251-2-25-20160620	AGW251-3-40-20160620	AGW251-6-76-20160620	AGW252-20160621	AGW253-20160621	AGW254-1-20160623	AGW254-2-20-20160615	AGW254-5-50-20160615	AGW255-1-13-20160621
Zone:	Shallow	Intermediate	Deep	Deep	Intermediate	Shallow-WT	Shallow	Intermediate	Shallow-WT
Laboratory SDG:	1674733	1674733	1674733	1675363	1675363	1676210	1672630	1672630	1675364
Sample ID:	8438849/8438850	8438851/8438852	8438853	8441417	8441418	8445694	8428698/8428699	8428708/8428709	8441434
Sample Date:	6/20/16	6/20/16	6/20/16	6/21/16	6/21/16	6/23/16	6/15/16	6/15/16	6/21/16
Sample Type:	N	N	N	PDN	PDN	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	2.2	4.9	0.17	0.020 U	0.020 U	0.020 U	0.028	0.020 U	0.24
Conventionals (mg/L)									
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	0.10 U	0.10 U	--
Sulfate	1.0 U	1.0 U	--	--	--	--	1.0 U	1.0 U	--
Sulfide, Total	2.0 U	2.0 U	--	--	--	--	0.10 U	0.10 U	--
Total Organic Carbon	8.1	8.1 J	--	--	--	--	3.8	3.1	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	3,700	2,600	--	--	--	--	7,000	9,500	--
Ethane	1.1	1.0 U	--	--	--	--	1.0 U	1.0 U	--
Ethene	2.7	1.0 U	--	--	--	--	1.0 U	1.0 U	--
Acetylene	1.0 U	1.0 U	--	--	--	--	1.0 U	1.0 U	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
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µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
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PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW255-3	AGW255-5	AGW255-5	AGW256	AGW257	AGW258	AGW259	AGW260	AGW261
Field Sample ID:	AGW255-3-30-20160621	AGW255-5-55-20160621	AGW914-20160621	AGW256-20160620	AGW257-20160620	AGW258-20160620	AGW259-20160615	AGW260-20160623	AGW261-20160622
Zone:	Shallow	Intermediate	Intermediate	Intermediate	Shallow	Shallow	Deep	Deep	Shallow
Laboratory SDG:	1675364	1675364	1675364	1674643	1674643	1674643	1672630	1676210	1676412
Sample ID:	8441435	8441436	8441437	8438215	8438214	8438219	8428706/8428707	8445690	8447875
Sample Date:	6/21/16	6/21/16	6/21/16	6/20/16	6/20/16	6/20/16	6/15/16	6/23/16	6/22/16
Sample Type:	N	N	FD	PDN	PDN	PDN	N	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	5.0 U	5.0 U	5.0 U	57 U	21 U	28 U	5.0 U	41 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	1.4	0.9	0.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.2
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	0.3
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.4	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	1.0	0.2	0.2 U	0.2 U	0.2 U	2.7
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2	0.3	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW255-3	AGW255-5	AGW255-5	AGW256	AGW257	AGW258	AGW259	AGW260	AGW261
Field Sample ID:	AGW255-3-30-20160621	AGW255-5-55-20160621	AGW914-20160621	AGW256-20160620	AGW257-20160620	AGW258-20160620	AGW259-20160615	AGW260-20160623	AGW261-20160622
Zone:	Shallow	Intermediate	Intermediate	Intermediate	Shallow	Shallow	Deep	Deep	Shallow
Laboratory SDG:	1675364	1675364	1675364	1674643	1674643	1674643	1672630	1676210	1676412
Sample ID:	8441435	8441436	8441437	8438215	8438214	8438219	8428706/8428707	8445690	8447875
Sample Date:	6/21/16	6/21/16	6/21/16	6/20/16	6/20/16	6/20/16	6/15/16	6/23/16	6/22/16
Sample Type:	N	N	FD	PDN	PDN	PDN	N	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.16	0.20	0.19	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.090
Conventionals (mg/L)									
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	0.10 U	--	--
Sulfate	--	--	--	--	--	--	1.0 U	--	--
Sulfide, Total	--	--	--	--	--	--	0.10 U	--	--
Total Organic Carbon	--	--	--	--	--	--	2.1	--	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	--	--	--	--	--	5,300	--	--
Ethane	--	--	--	--	--	--	1.0 U	--	--
Ethene	--	--	--	--	--	--	1.0 U	--	--
Acetylene	--	--	--	--	--	--	1.0 U	--	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW262	AGW263	AGW264	AGW265	AGW266	AGW267	AGW268	AGW269	AGW270
Field Sample ID:	AGW262-20160623	AGW263-20160623	AGW264-20160623	AGW265-20160623	AGW266-20160613	AGW267-20160622	AGW268-20160622	AGW269-20160616	AGW270-20160616
Zone:	Shallow-WT	Shallow-WT	Deep	Intermediate	Shallow	Intermediate	Deep	Shallow	Shallow
Laboratory SDG:	1676202	1676210	1676202	1676202	1671664	1676413	1676413	1673586	1673586
Sample ID:	8445647	8445689	8445638	8445637	8424504/8424505	8447880	8447881	8433239/8433240	8433235/8433236
Sample Date:	6/23/16	6/23/16	6/23/16	6/23/16	6/13/16	6/22/16	6/22/16	6/16/16	6/16/16
Sample Type:	PDN	PDN	PDN	PDN	N	PDN	PDN	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	5.0 U	5.0 U	34 U	52 U	5.0 U	51 UJ	36 UJ	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	0.2 U	5.6	0.2 U	0.2 U	0.5	0.2 U	0.2 U	1.9	6.0
trans-1,2-Dichloroethene	0.2 U	0.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6	0.8
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.1
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	1.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.7	0.4	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	8.7	2.0
m-&p-Xylenes	0.5 U	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

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW262	AGW263	AGW264	AGW265	AGW266	AGW267	AGW268	AGW269	AGW270
Field Sample ID:	AGW262-20160623	AGW263-20160623	AGW264-20160623	AGW265-20160623	AGW266-20160613	AGW267-20160622	AGW268-20160622	AGW269-20160616	AGW270-20160616
Zone:	Shallow-WT	Shallow-WT	Deep	Intermediate	Shallow	Intermediate	Deep	Shallow	Shallow
Laboratory SDG:	1676202	1676210	1676202	1676202	1671664	1676413	1676413	1673586	1673586
Sample ID:	8445647	8445689	8445638	8445637	8424504/8424505	8447880	8447881	8433239/8433240	8433235/8433236
Sample Date:	6/23/16	6/23/16	6/23/16	6/23/16	6/13/16	6/22/16	6/22/16	6/16/16	6/16/16
Sample Type:	PDN	PDN	PDN	PDN	N	PDN	PDN	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	0.53	0.32	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	8.0	1.8
Conventionals (mg/L)									
Nitrogen, Nitrate (as N)	--	--	--	--	0.10 U	--	--	--	--
Sulfate	--	--	--	--	1.0 U	--	--	1.0 U	1.0 U
Sulfide, Total	--	--	--	--	0.10 U	--	--	0.10 U	0.10 U
Total Organic Carbon	--	--	--	--	1.0 U	--	--	8.2	46.7
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	--	--	--	--	9,700	--	--	24,000	25,000
Ethane	--	--	--	--	1.0 U	--	--	2.3 U	2.0 U
Ethene	--	--	--	--	1.0 U	--	--	1.0 U	1.0 U
Acetylene	--	--	--	--	1.0 U	--	--	1.0 U	1.0 U
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
-- = not analyzed
Bold = detected compound
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 and Acronyms:
FD = field duplicate
µg/L = microgram per liter
mg/L = milligram per liter
N = primary sample
NWTPH = Northwest Total Petroleum Hydrocarbon
PDN = passive diffusion primary sample
PDFD = passive diffusion field duplicate
SDG = sample delivery group
SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW271	AGW272	AGW273	AGW274	AGW275	AGW276-2	AGW276-5	AGW276-6	APP-057
Field Sample ID:	AGW271-20160616	AGW272-20160617	AGW273-20160617	AGW274-20160617	AGW275-20160617	AGW276-2-25-20160622	AGW276-5-60-20160622	AGW276-6-80-20160622	APP-057-20160615
Zone:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Intermediate	Deep	Shallow
Laboratory SDG:	1673586	1673581	1673581	1673581	1673581	1676412	1676412	1676412	1673247
Sample ID:	8433237/8433238	8433183/8433184	8433185/8433186	8433187/8433188	8433189/8433190	8447867	8447868	8447869	8431465
Sample Date:	6/16/16	6/17/16	6/17/16	6/17/16	6/17/16	6/22/16	6/22/16	6/22/16	6/15/16
Sample Type:	N	N	N	N	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)									
Acetone	12	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone/MEK	14	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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 U	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	6.9	4.9	2.9	0.6	0.2 U	1.6	7.3	1.7	0.2 U
trans-1,2-Dichloroethene	0.7	0.6	0.5	0.3	0.2 U	0.2 U	0.6	0.2 U	0.2 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.3	0.3	0.2 U	0.2 U	0.2 U	0.4	0.2 U	3.9	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	2.0	2.0	3.9	4.6	0.2 U	1.0	0.8	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	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

**Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington**

Sample Location:	AGW271	AGW272	AGW273	AGW274	AGW275	AGW276-2	AGW276-5	AGW276-6	APP-057
Field Sample ID:	AGW271-20160616	AGW272-20160617	AGW273-20160617	AGW274-20160617	AGW275-20160617	AGW276-2-25-20160622	AGW276-5-60-20160622	AGW276-6-80-20160622	APP-057-20160615
Zone:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Intermediate	Deep	Shallow
Laboratory SDG:	1673586	1673581	1673581	1673581	1673581	1676412	1676412	1676412	1673247
Sample ID:	8433237/8433238	8433183/8433184	8433185/8433186	8433187/8433188	8433189/8433190	8447867	8447868	8447869	8431465
Sample Date:	6/16/16	6/17/16	6/17/16	6/17/16	6/17/16	6/22/16	6/22/16	6/22/16	6/15/16
Sample Type:	N	N	N	N	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)									
Vinyl Chloride	1.8	1.8	3.4	4.2	0.16	0.81	0.63	0.11	0.020 U
Conventionals (mg/L)									
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--
Sulfate	1.0 U	1.4	1.0 U	1.0 U	1.0 U	--	--	--	--
Sulfide, Total	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	--	--
Total Organic Carbon	48.6	4.1	5.5	5.8	7.9	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)									
Methane	29,000	450	1,300	920	26,000	--	--	--	--
Ethane	2.6 U	1.0 U	1.0 U	1.0 U	4.5	--	--	--	--
Ethene	1.0 U	1.0 U	1.0 U	1.5	2.8	--	--	--	--
Acetylene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)									
Arsenic	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)									
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--

Notes:
 -- = not analyzed
Bold = detected compound
 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 and Acronyms:
 FD = field duplicate
 µg/L = microgram per liter
 mg/L = milligram per liter
 N = primary sample
 NWTPH = Northwest Total Petroleum Hydrocarbon
 PDN = passive diffusion primary sample
 PDFD = passive diffusion field duplicate
 SDG = sample delivery group
 SIM = selected ion monitoring

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	IW34	IW34	IW36	IW37
Field Sample ID:	AGW915-20160616	IW34-20160616	IW36-20160616	IW37-20160617
Zone:	Shallow	Shallow	Shallow	Shallow
Laboratory SDG:	1673586	1673586	1673589	1673581
Sample ID:	8433243/8433244	8433241/8433242	8433267/8433268	8433181/8433182
Sample Date:	6/16/16	6/16/16	6/16/16	6/17/16
Sample Type:	FD	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)				
Acetone	140 J	110 J	5.0 U	86
Benzene	0.2 U	0.2 UJ	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 UJ	0.5 U	0.5 U
Bromoform	0.5 U	0.5 UJ	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 UJ	0.5 U	0.5 U
2-Butanone/MEK	230	190 J	5.0 U	180
Carbon Disulfide	0.5 U	0.5 UJ	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 UJ	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 UJ	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 UJ	0.5 U	0.5 U
Chloroform	0.2 U	0.2 UJ	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 UJ	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 UJ	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 UJ	0.5 U	0.5 U
1,2-Dichloroethane	0.5	0.4 J	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 UJ	0.2 U	0.2 U
cis-1,2-Dichloroethene	16	16 J	1.5	6.0
trans-1,2-Dichloroethene	2.4	2.2 J	0.4	0.3
1,2-Dichloropropane	0.5 U	0.5 UJ	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 UJ	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 UJ	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 UJ	0.5 U	0.5 U
2-Hexanone	5.0 U	5.0 UJ	5.0 U	5.0 U
4-Methyl-2-pentanone	5.0 U	5.0 UJ	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 UJ	0.5 U	0.5 U
Styrene	0.5 U	0.5 UJ	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 UJ	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 UJ	0.2 U	0.2 U
Toluene	0.2	0.2 J	1.2	0.2 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U	0.5 UJ	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 UJ	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 UJ	0.2 U	0.2 U
Trichloroethene	5.9	5.4 J	0.2 U	0.3
Trichlorofluoromethane	0.5 U	0.5 UJ	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 UJ	0.5 U	0.5 U
Vinyl Chloride	1.0	0.9 J	4.5	0.4
m-&p-Xylenes	0.5 U	0.5 UJ	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 UJ	0.5 U	0.5 U

Table 1-2
2Q 2016 Groundwater Analytical Results
Boeing Auburn Facility
Auburn, Washington

Sample Location:	IW34	IW34	IW36	IW37
Field Sample ID:	AGW915-20160616	IW34-20160616	IW36-20160616	IW37-20160617
Zone:	Shallow	Shallow	Shallow	Shallow
Laboratory SDG:	1673586	1673586	1673589	1673581
Sample ID:	8433243/8433244	8433241/8433242	8433267/8433268	8433181/8433182
Sample Date:	6/16/16	6/16/16	6/16/16	6/17/16
Sample Type:	FD	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)				
Vinyl Chloride	0.87 J	0.79 J	4.1	0.34 J
Conventional (mg/L)				
Nitrogen, Nitrate (as N)	--	--	--	--
Sulfate	1.3	1.9	1.0 U	1.0 U
Sulfide, Total	0.12	0.16	0.10 U	0.10 U
Total Organic Carbon	3,750	3,840	11.4	1,130
Natural Attenuation Parameters (µg/L; RSK-175)				
Methane	23,000 J	23,000 J	11,000	20,000
Ethane	2.2 J	2.2 J	1.9	1.6
Ethene	3.7 J	3.8 J	1.0 U	1.0 U
Acetylene	1.0 UJ	1.0 UJ	1.0 U	1.0 U
Dissolved Metals (mg/L; SW-846 6010)				
Arsenic	--	--	--	--
Cadmium	--	--	--	--
Nickel	--	--	--	--
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)				
Diesel Range Organics (C12-C24)	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW001R	AGW002R	AGW006R	AGW009	AGW010	AGW024	AGW025	AGW026	AGW027	AGW029
Field Sample ID:	AGW001R-20160622	AGW002R-20160616	AGW006R-20160623	AGW009-20160620	AGW010-20160620	AGW024-20160616	AGW025-20160622	AGW026-20160622	AGW027-20160620	AGW029-20160622
Zone:	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory SDG:	1676413	1673585/1673818	1676202	1674643	1674643	1673585	1676410	1676410	1674643	1676413
Sample ID:	8447884	8433228/8434456	8445632	8438216	8438213	8433218	8447848	8447847	8438212	8447889
Sample Date:	6/22/16	6/16/2016	6/23/16	6/20/16	6/20/16	6/16/16	6/22/16	6/22/16	6/20/16	6/22/16
Sample Type:	PDN	N	PDN	PDN	N	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	37 UJ	5.0 U	26 U	17 U	50 U	9.6 U	35 U	38 U	38 U	27 UJ
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	2.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Butanone/MEK	5.0 U	5.0 U	5.0 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	5.0 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	2.0 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	2.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.3	0.2 U	0.2 U	2.0 U	0.6	3.8	0.6	0.4	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	2.0 U	0.2 U	0.4	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	290	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	2.0 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	4.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.9	0.2 U	0.2 U	0.6	2.0 U	0.2 U	0.2 U	0.6	0.2 U	0.2 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	2.0 U	0.6	1.9	0.2 U	0.3	0.2 U
m-&p-Xylenes	0.5 U	0.5 U	0.5 U	0.5 U	96	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	20	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.020 U	0.065	0.020 U	0.020 U	0.020 U	--	--	0.029	0.24	0.020 U
Conventionals (mg/L)										
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	--
Sulfate	--	1.0 U	--	--	--	--	--	--	--	--
Sulfide, Total	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	2.5	--	--	--	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	9,200	--	--	--	--	--	--	--	--
Ethane	--	1.0 U	--	--	--	--	--	--	--	--
Ethene	--	1.0 U	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

**Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington**

Sample Location:	AGW001R	AGW002R	AGW006R	AGW009	AGW010	AGW024	AGW025	AGW026	AGW027	AGW029
Field Sample ID:	AGW001R-20160622	AGW002R-20160616	AGW006R-20160623	AGW009-20160620	AGW010-20160620	AGW024-20160616	AGW025-20160622	AGW026-20160622	AGW027-20160620	AGW029-20160622
Zone:	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory SDG:	1676413	1673585/1673818	1676202	1674643	1674643	1673585	1676410	1676410	1674643	1676413
Sample ID:	8447884	8433228/8434456	8445632	8438216	8438213	8433218	8447848	8447847	8438212	8447889
Sample Date:	6/22/16	6/16/2016	6/23/16	6/20/16	6/20/16	6/16/16	6/22/16	6/22/16	6/20/16	6/22/16
Sample Type:	PDN	N	PDN	PDN	N	PDN	PDN	PDN	PDN	PDN
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	1.2	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	0.24 U	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	6,100	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW030	AGW031R	AGW031R	AGW032	AGW033	AGW034	AGW035	AGW037	AGW039	AGW040
Field Sample ID:	AGW030-20160622	AGW031R-20160623	AGW903-20160623	AGW032-20160620	AGW033-20160622	AGW034-20160616	AGW035-20160622	AGW037-20160616	AGW039-20160616	AGW040-20160616
Zone:	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Deep	Deep	Shallow-WT	Shallow-WT	Shallow-WT
Laboratory SDG:	1676410	1676202	1676202	1674650	1676413	1673585	1676413	1673585	1673585	1673585
Sample ID:	8447850	8445629	8445630	8438249	8447887	8433217	8447888	8433219	8433223	8433222
Sample Date:	6/22/16	6/23/16	6/23/16	6/20/16	6/22/16	6/16/16	6/22/16	6/16/16	6/16/16	6/16/16
Sample Type:	PDN	PDN	PDFD	PDN	PDN	PDN	PDN	PDN	N	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	24 U	59 U	58 U	45 U	57 UJ	29 U	10 UJ	5.0 U	5.0 U	12 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.5	0.5	0.2 U	0.2 U	0.4	0.2	1.3	1.1	0.5
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
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	1	1	0.2 U	0.2 U	0.2 U	2.3	2.6	0.5	0.7
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.026	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.26	0.026	0.022
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--
Sulfide, Total	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	--	--	--	--	--	--	--	--	--
Ethane	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	0.0093	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW030	AGW031R	AGW031R	AGW032	AGW033	AGW034	AGW035	AGW037	AGW039	AGW040
Field Sample ID:	AGW030-20160622	AGW031R-20160623	AGW903-20160623	AGW032-20160620	AGW033-20160622	AGW034-20160616	AGW035-20160622	AGW037-20160616	AGW039-20160616	AGW040-20160616
Zone:	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Deep	Deep	Shallow-WT	Shallow-WT	Shallow-WT
Laboratory SDG:	1676410	1676202	1676202	1674650	1676413	1673585	1676413	1673585	1673585	1673585
Sample ID:	8447850	8445629	8445630	8438249	8447887	8433217	8447888	8433219	8433223	8433222
Sample Date:	6/22/16	6/23/16	6/23/16	6/20/16	6/22/16	6/16/16	6/22/16	6/16/16	6/16/16	6/16/16
Sample Type:	PDN	PDN	PDFD	PDN	PDN	PDN	PDN	PDN	N	PDN
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW041	AGW044	AGW048	AGW049	AGW050	AGW053R	AGW055R	AGW057R	AGW058R	AGW059R
Field Sample ID:	AGW041-20160617	AGW044-20160620	AGW048-20160616	AGW049-20160616	AGW050-20160616	AGW053R-20160616	AGW055R-20160623	AGW057R-20160622	AGW058R-20160622	AGW059R-20160622
Zone:	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow	Shallow-WT	Intermediate	Intermediate	Shallow-WT	Shallow
Laboratory SDG:	1673571	1674643	1673585	1673585	1673585	1673585	1676202	1676413	1676413	1676413
Sample ID:	8433134	8438218	8433229	8433230	8433231	8433225	8445634	8447885	8447886	8447882
Sample Date:	6/17/16	6/20/16	6/16/16	6/16/16	6/16/16	6/16/16	6/23/16	6/22/16	6/22/16	6/22/16
Sample Type:	PDN	N	N	N	N	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	12 U	5.0 U	--	--	--	22 U	5.0 U	22 UJ	36 UJ	29 UJ
Benzene	0.2 U	0.2 U	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 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
1,1-Dichloroethane	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
1,1-Dichloroethene	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	--	--	--	1.1	1.5	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
Ethylbenzene	0.5 U	0.5 U	--	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.3	0.2 U	--	--	--	0.2 U	0.2 U	0.5	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
Trichloroethene	0.4	0.2 U	--	--	--	2.0	0.5	1.1	0.2	0.2
Vinyl Chloride	0.2 U	0.2 U	--	--	--	0.2 U	0.2	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.020 U	0.020 U	--	--	--	0.043	0.15	0.020 U	0.020 U	0.020 U
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--
Sulfide, Total	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	--	--	--	--	--	--	--	--	--
Ethane	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	0.0012	0.0129	0.0185	--	--	--	--	--
Nickel	--	--	0.0021	0.0564	0.0383	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW041	AGW044	AGW048	AGW049	AGW050	AGW053R	AGW055R	AGW057R	AGW058R	AGW059R
Field Sample ID:	AGW041-20160617	AGW044-20160620	AGW048-20160616	AGW049-20160616	AGW050-20160616	AGW053R-20160616	AGW055R-20160623	AGW057R-20160622	AGW058R-20160622	AGW059R-20160622
Zone:	Shallow-WT	Shallow-WT	Shallow	Shallow	Shallow	Shallow-WT	Intermediate	Intermediate	Shallow-WT	Shallow
Laboratory SDG:	1673571	1674643	1673585	1673585	1673585	1673585	1676202	1676413	1676413	1676413
Sample ID:	8433134	8438218	8433229	8433230	8433231	8433225	8445634	8447885	8447886	8447882
Sample Date:	6/17/16	6/20/16	6/16/16	6/16/16	6/16/16	6/16/16	6/23/16	6/22/16	6/22/16	6/22/16
Sample Type:	PDN	N	N	N	N	PDN	PDN	PDN	PDN	PDN
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	1.8	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	0.73	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW060R	AGW064	AGW065	AGW066	AGW066	AGW067	AGW068	AGW069	AGW072	AGW073
Field Sample ID:	AGW060R-20160622	AGW064-20160623	AGW065-20160623	AGW066-20160614	AGW900-20160614	AGW067-20160623	AGW068-20160621	AGW069-20160623	AGW072-20160614	AGW073-20160614
Zone:	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Intermediate	Deep
Laboratory SDG:	1676413	1676202	1676202	1672120	1676202	1676202	1675363	1676210	1672097	1672097
Sample ID:	8447883	8445626	8445627	8426475/8426476	8426473/8426474	8445631	8441413	8445692	8426376/8426377	8426378/8426379
Sample Date:	6/22/16	6/23/16	6/23/16	6/14/16	6/14/16	6/23/16	6/21/16	6/23/16	6/14/16	6/14/16
Sample Type:	PDN	PDN	PDN	N	FD	PDN	PDN	PDN	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	19 UJ	35 U	27 U	5.0 U	5.0 U	28 U	22 U	30 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Butanone/MEK	5.0 U	33	66	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	2.5	0.2 U	0.2 U	1.7	1.6	3.9	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.1	0.2 U	0.2 U	3.3	3.6	5.4	0.2 U	0.2 U	1.3	0.2
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.049	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
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	--	--	--	0.55	0.66 J	--	--	--	1.3	0.87
Sulfate	--	--	--	44.1	47.5	--	--	--	13.8	12.9
Sulfide, Total	--	--	--	0.10 U	0.10 U	--	--	--	0.10 U	0.10 U
Total Organic Carbon	--	--	--	1.0 U	1.0 U	--	--	--	1.0 U	1.0 U
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	--	--	7.3 J	11 J	--	--	--	3.0 U	3.0 U
Ethane	--	--	--	1.0 U	1.0 U	--	--	--	1.0 U	1.0 U
Ethene	--	--	--	1.0 U	1.0 U	--	--	--	1.0 U	1.0 U
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW060R	AGW064	AGW065	AGW066	AGW066	AGW067	AGW068	AGW069	AGW072	AGW073
Field Sample ID:	AGW060R-20160622	AGW064-20160623	AGW065-20160623	AGW066-20160614	AGW900-20160614	AGW067-20160623	AGW068-20160621	AGW069-20160623	AGW072-20160614	AGW073-20160614
Zone:	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Intermediate	Deep
Laboratory SDG:	1676413	1676202	1676202	1672120	1672120	1676202	1675363	1676210	1672097	1672097
Sample ID:	8447883	8445626	8445627	8426475/8426476	8426473/8426474	8445631	8441413	8445692	8426376/8426377	8426378/8426379
Sample Date:	6/22/16	6/23/16	6/23/16	6/14/16	6/14/16	6/23/16	6/21/16	6/23/16	6/14/16	6/14/16
Sample Type:	PDN	PDN	PDN	N	FD	PDN	PDN	PDN	N	N
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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.

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Abbreviations and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW074	AGW078	AGW079	AGW081	AGW085	AGW087	AGW088	AGW089	AGW090	AGW091
Field Sample ID:	AGW074-20160621	AGW078-20160622	AGW079-20160617	AGW081-20160622	AGW085-20160622	AGW087-20160621	AGW088-20160621	AGW089-20160621	AGW090-20160621	AGW091-20160621
Zone:	Shallow-WT	Shallow	Shallow	Shallow-WT	Shallow-WT	Intermediate	Shallow-WT	Intermediate	Shallow	Intermediate
Laboratory SDG:	1675361	1676410	1673571	1676410	1676410	1675361	1675361	1675361	1675361	1675361
Sample ID:	8441397	8447841	8433129	8447851	8447842	8441390	8441391	8441398	8441399	8441395
Sample Date:	6/21/16	6/22/16	6/17/16	6/22/16	6/22/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	5.0 U	20 U	15 U	31 U	11 U	29 U	27 U	29 U	20 U	26 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.4	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2	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 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride	0.2 U	0.2 U	1.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
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
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--
Sulfide, Total	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	--	--	--	--	--	--	--	--	--
Ethane	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW074	AGW078	AGW079	AGW081	AGW085	AGW087	AGW088	AGW089	AGW090	AGW091
Field Sample ID:	AGW074-20160621	AGW078-20160622	AGW079-20160617	AGW081-20160622	AGW085-20160622	AGW087-20160621	AGW088-20160621	AGW089-20160621	AGW090-20160621	AGW091-20160621
Zone:	Shallow-WT	Shallow	Shallow	Shallow-WT	Shallow-WT	Intermediate	Shallow-WT	Intermediate	Shallow	Intermediate
Laboratory SDG:	1675361	1676410	1673571	1676410	1676410	1675361	1675361	1675361	1675361	1675361
Sample ID:	8441397	8447841	8433129	8447851	8447842	8441390	8441391	8441398	8441399	8441395
Sample Date:	6/21/16	6/22/16	6/17/16	6/22/16	6/22/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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

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Abbreviations and Acronyms:

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µg/L = microgram per liter

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NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW095R	AGW098R	AGW104	AGW105	AGW106R	AGW110R	AGW112R	AGW115	AGW116	AGW117
Field Sample ID:	AGW095R-20160623	AGW098R-20160623	AGW104-20160622	AGW105-20160622	AGW106R-20160616	AGW110R-20160616	AGW112R-20160616	AGW115-20160617	AGW116-20160617	AGW117-20160617
Zone:	Intermediate	Deep	Shallow	Intermediate	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Shallow-WT
Laboratory SDG:	1676202	1676202	1676410	1676410	1673585/1673818	1673585/1673818	1673585	1673571	1673571	1673571
Sample ID:	8445628	8445635	8447840	8447849	8433227/8434455	8433232/8434457	8433226	8433127	8433135	8433137
Sample Date:	6/23/16	6/23/16	6/22/16	6/22/16	6/16/16	6/16/16	6/16/16	6/17/16	6/17/16	6/17/16
Sample Type:	PDN	PDN	PDN	PDN	N	N	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	35 U	43 U	33 U	5.0 U	5.0 U	5.0 U	30 U	17 U	35 U	20 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.3	0.2 U	0.2 U	0.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.5
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
Trichloroethene	1.5	0.5	0.2 U	1.1	0.2	0.2 U	1	0.3	0.2 U	0.2 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.020 U	0.020 U	0.020 U	0.39	0.020 U	0.11	0.020 U	--	0.020 U	0.020 U
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	16.1	1.0 U	--	--	--	--
Sulfide, Total	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	1.0 U	2.4	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	--	--	--	340	6,500	--	--	--	--
Ethane	--	--	--	--	1.0 U	1.0 U	--	--	--	--
Ethene	--	--	--	--	1.0 U	1.0 U	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW095R	AGW098R	AGW104	AGW105	AGW106R	AGW110R	AGW112R	AGW115	AGW116	AGW117
Field Sample ID:	AGW095R-20160623	AGW098R-20160623	AGW104-20160622	AGW105-20160622	AGW106R-20160616	AGW110R-20160616	AGW112R-20160616	AGW115-20160617	AGW116-20160617	AGW117-20160617
Zone:	Intermediate	Deep	Shallow	Intermediate	Shallow	Shallow	Shallow	Shallow-WT	Shallow-WT	Shallow-WT
Laboratory SDG:	1676202	1676202	1676410	1676410	1673585/1673818	1673585/1673818	1673585	1673571	1673571	1673571
Sample ID:	8445628	8445635	8447840	8447849	8433227/8434455	8433232/8434457	8433226	8433127	8433135	8433137
Sample Date:	6/23/16	6/23/16	6/22/16	6/22/16	6/16/16	6/16/16	6/16/16	6/17/16	6/17/16	6/17/16
Sample Type:	PDN	PDN	PDN	PDN	N	N	PDN	PDN	PDN	PDN
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW118	AGW119	AGW120	AGW125	AGW126	AGW127	AGW128	AGW129	AGW130	AGW131
Field Sample ID:	AGW118-20160617	AGW119-20160621	AGW120-20160621	AGW125-20160614	AGW126-20160614	AGW127-20160617	AGW128-20160617	AGW129-20160617	AGW130-20160620	AGW131-20160622
Zone:	Shallow-WT	Intermediate	Shallow	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow
Laboratory SDG:	1673571	1675361	1675361	1675361	1672120	1673571	1673571	1673571	1674643	1676410
Sample ID:	8433136	8441393	8441392	8426470/8426471	8426468/8426469	8433138	8433128	8433139	8438217	8447845
Sample Date:	6/17/16	6/21/16	6/21/16	6/14/16	6/14/16	6/17/16	6/17/16	6/17/16	6/20/16	6/22/16
Sample Type:	PDN	PDN	PDN	N	N	PDN	N	PDN	N	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	26 U	30 U	17 U	5.0 U	5.0 U	17 U	5.0 U	27 U	5.0 U	21 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.3	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	2.1	6.7	0.2 U	0.2 U	0.2 U	0.2 U	0.8
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5	0.3	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.3	0.2 U	0.2 U	8.3	8.8	0.2 U	0.2 U	0.3	0.3	0.2 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.3
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.020 U	0.020 U	0.020 U	0.022	0.071	0.020 U	0.020 U	0.020 U	0.020 U	--
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	--	--	--	0.10 U	0.10 U	--	--	--	--	--
Sulfate	--	--	--	18.4	14.6	--	--	--	--	--
Sulfide, Total	--	--	--	0.10 U	0.10 U	--	--	--	--	--
Total Organic Carbon	--	--	--	3.4	1.1	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	--	--	14	75	--	--	--	--	--
Ethane	--	--	--	1.0 U	1.0 U	--	--	--	--	--
Ethene	--	--	--	1.0 U	1.0 U	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW118	AGW119	AGW120	AGW125	AGW126	AGW127	AGW128	AGW129	AGW130	AGW131
Field Sample ID:	AGW118-20160617	AGW119-20160621	AGW120-20160621	AGW125-20160614	AGW126-20160614	AGW127-20160617	AGW128-20160617	AGW129-20160617	AGW130-20160620	AGW131-20160622
Zone:	Shallow-WT	Intermediate	Shallow	Shallow	Intermediate	Shallow-WT	Shallow-WT	Shallow-WT	Shallow-WT	Shallow
Laboratory SDG:	1673571	1675361	1675361	1672120	1672120	1673571	1673571	1673571	1674643	1676410
Sample ID:	8433136	8441393	8441392	8426470/8426471	8426468/8426469	8433138	8433128	8433139	8438217	8447845
Sample Date:	6/17/16	6/21/16	6/21/16	6/14/16	6/14/16	6/17/16	6/17/16	6/17/16	6/20/16	6/22/16
Sample Type:	PDN	PDN	PDN	N	N	PDN	N	PDN	N	PDN
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	1.1	--	0.094 U	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	0.35	--	0.23 U	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW133	AGW134	AGW135	AGW136	AGW137	AGW138	AGW139	AGW140	AGW141	AGW142
Field Sample ID:	AGW133-20160621	AGW134-20160622	AGW135-20160623	AGW136-20160613	AGW137-20160614	AGW138-20160614	AGW139-20160623	AGW140-20160623	AGW141-20160621	AGW142-20160621
Zone:	Shallow	Shallow	Shallow	Shallow	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Deep
Laboratory SDG:	1675361	1676413	1676202	1671668	1672120	1672120	1676210	1676202	1675363	1675363
Sample ID:	8441396	8447879	8445633	8424546/8424547	8426464/8426465	8426466/8426467	8445691	8445636	8441414	8441415
Sample Date:	6/21/16	6/22/16	6/23/16	6/13/16	6/14/16	6/14/16	6/23/16	6/23/16	6/21/16	6/21/16
Sample Type:	PDN	PDN	PDN	N	N	N	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	16 U	13 UJ	18 U	5.0 U	5.0 U	5.0 U	21 U	11 U	40 U	40 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.3	0.3	1.0	0.2 U	0.3	1.9	0.2	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.4	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
Trichloroethene	0.2 U	0.2 U	1.0	0.8	3.0	0.6	3.3	4.3	2.0	0.2 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.020 U	0.034	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.15	0.020 U	0.020 U
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	--	--	--	0.10 U	0.10 U	0.10 U	--	--	--	--
Sulfate	--	--	--	10.8	9.1	13.9	--	--	--	--
Sulfide, Total	--	--	--	0.10 U	0.10 U	0.10 U	--	--	--	--
Total Organic Carbon	--	--	--	1.8	2.3	1.0 U	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	--	--	49	180	8.7	--	--	--	--
Ethane	--	--	--	1.0 U	1.0 U	1.0 U	--	--	--	--
Ethene	--	--	--	1.0 U	1.0 U	1.0 U	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW133	AGW134	AGW135	AGW136	AGW137	AGW138	AGW139	AGW140	AGW141	AGW142
Field Sample ID:	AGW133-20160621	AGW134-20160622	AGW135-20160623	AGW136-20160613	AGW137-20160614	AGW138-20160614	AGW139-20160623	AGW140-20160623	AGW141-20160621	AGW142-20160621
Zone:	Shallow	Shallow	Shallow	Shallow	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Deep
Laboratory SDG:	1675361	1676413	1676202	1671668	1672120	1672120	1676210	1676202	1675363	1675363
Sample ID:	8441396	8447879	8445633	8424546/8424547	8426464/8426465	8426466/8426467	8445691	8445636	8441414	8441415
Sample Date:	6/21/16	6/22/16	6/23/16	6/13/16	6/14/16	6/14/16	6/23/16	6/23/16	6/21/16	6/21/16
Sample Type:	PDN	PDN	PDN	N	N	N	PDN	PDN	PDN	PDN
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

**Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington**

Sample Location:	AGW143	AGW144	AGW145	AGW146	AGW147	AGW148	AGW149	AGW150	AGW151	AGW152
Field Sample ID:	AGW143-20160620	AGW144-20160620	AGW145-20160620	AGW146-20160620	AGW147-20160620	AGW148-20160620	AGW149-20160622	AGW150-20160623	AGW151-20160623	AGW152-20160622
Zone:	Deep	Intermediate	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Shallow
Laboratory SDG:	1674733	1674733	1674733	1674733	1674733	1674733	1676411	1676202	1676202	1676410
Sample ID:	8438859	8438858	8438856	8438857	8438854	8438860	8447854	8445646	8445625	8447846
Sample Date:	6/20/16	6/20/16	6/20/16	6/20/16	6/20/16	6/20/16	6/22/16	6/23/16	6/23/16	6/22/16
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	17 U	22 U	15 U	5.0 U	53 U	45 U	28 U	29 U	41 U	41 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3
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	30	5.0 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2	0.2 U	0.2	0.2	0.2	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	2.2	7.5	1.7	2.6	1.8	0.3	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.4	1.1	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	1.0	12	4.6	0.2 U	3.8	3.6	1.0	0.4	0.2 U
Vinyl Chloride	0.2 U	0.4	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	3.8
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.020 U	0.28	--	0.099	0.032	0.048	0.020 U	0.020 U	0.020 U	--
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--
Sulfide, Total	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	--	--	--	--	--	--	--	--	--
Ethane	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW143	AGW144	AGW145	AGW146	AGW147	AGW148	AGW149	AGW150	AGW151	AGW152
Field Sample ID:	AGW143-20160620	AGW144-20160620	AGW145-20160620	AGW146-20160620	AGW147-20160620	AGW148-20160620	AGW149-20160622	AGW150-20160623	AGW151-20160623	AGW152-20160622
Zone:	Deep	Intermediate	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Shallow
Laboratory SDG:	1674733	1674733	1674733	1674733	1674733	1674733	1676411	1676202	1676202	1676410
Sample ID:	8438859	8438858	8438856	8438857	8438854	8438860	8447854	8445646	8445625	8447846
Sample Date:	6/20/16	6/20/16	6/20/16	6/20/16	6/20/16	6/20/16	6/22/16	6/23/16	6/23/16	6/22/16
Sample Type:	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN	PDN
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

- = not analyzed
- Bold** = detected compound
- 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 and Acronyms:

- FD = field duplicate
- µg/L = microgram per liter
- mg/L = milligram per liter
- N = primary sample
- NWTPH = Northwest Total Petroleum Hydrocarbon
- PDN = passive diffusion primary sample
- PDFD = passive diffusion field duplicate
- SDG = sample delivery group
- SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW153	AGW154	AGW155	AGW155	AGW156	AGW157	AGW158	AGW159	AGW160	AGW161
Field Sample ID:	AGW153-20160622	AGW154-20160622	AGW155-20160617	AGW904-20160617	AGW156-20160620	AGW157-20160620	AGW158-20160614	AGW159-20160614	AGW160-20160621	AGW161-20160622
Zone:	Shallow	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Intermediate	Intermediate
Laboratory SDG:	1676410	1676410	1673571	1673571	1674650	1674733	1672097	1672097	1675363	1676411
Sample ID:	8447839	8447844	8433133	8433131	8438248	8438855	8426382/8426383	8426380/8426381	8441411	8447864
Sample Date:	6/22/16	6/22/16	6/17/16	6/17/16	6/20/16	6/20/16	6/14/16	6/14/16	6/21/16	6/22/16
Sample Type:	PDN	PDN	PDN	PDFD	PDN	PDN	N	N	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	19 U	27 U	51 U	51 U	22 U	5.0 U	5.0 U	5.0 U	45 U	23 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.5	3.9	4.0	7.2	2.0	0.6	0.6	0.3	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.6	0.5	0.4	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U
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
Trichloroethene	0.2 U	0.4	0.2 U	0.2 U	1.2	3.6	2.4	3.8	3.2	1.2
Vinyl Chloride	0.2 U	0.2 U	8.2	8.6	2.5	0.3	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.020 U	0.025	--	--	--	0.27	0.026	0.032	0.020 U	0.020 U
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	0.33	0.34	--	--
Sulfate	--	--	--	--	--	--	13.1	11.7	--	--
Sulfide, Total	--	--	--	--	--	--	0.10 U	0.10 U	--	--
Total Organic Carbon	--	--	--	--	--	--	1.1	1.0 U	--	--
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	--	--	--	--	--	3.0 U	3.0 U	--	--
Ethane	--	--	--	--	--	--	1.0 U	1.0 U	--	--
Ethene	--	--	--	--	--	--	1.0 U	1.0 U	--	--
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

**Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington**

Sample Location:	AGW153	AGW154	AGW155	AGW155	AGW156	AGW157	AGW158	AGW159	AGW160	AGW161
Field Sample ID:	AGW153-20160622	AGW154-20160622	AGW155-20160617	AGW904-20160617	AGW156-20160620	AGW157-20160620	AGW158-20160614	AGW159-20160614	AGW160-20160621	AGW161-20160622
Zone:	Shallow	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Intermediate	Intermediate
Laboratory SDG:	1676410	1676410	1673571	1673571	1674650	1674733	1672097	1672097	1675363	1676411
Sample ID:	8447839	8447844	8433133	8433131	8438248	8438855	8426382/8426383	8426380/8426381	8441411	8447864
Sample Date:	6/22/16	6/22/16	6/17/16	6/17/16	6/20/16	6/20/16	6/14/16	6/14/16	6/21/16	6/22/16
Sample Type:	PDN	PDN	PDN	PDFD	PDN	PDN	N	N	PDN	PDN
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

**Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington**

Sample Location:	AGW162	AGW163	AGW164	AGW165	AGW166	AGW167	AGW168	AGW169	AGW170	AGW171
Field Sample ID:	AGW162-20160621	AGW163-20160620	AGW164-20160616	AGW165-20160616	AGW166-20160623	AGW167-20160623	AGW168-20160615	AGW169-20160615	AGW170-20160623	AGW171-20160623
Zone:	Intermediate	Intermediate	Intermediate	Shallow	Intermediate	Deep	Intermediate	Deep	Intermediate	Deep
Laboratory SDG:	1675363	1674093	1673585	1673585	1676202	1676202	1672629	1672629	1676202	1676202
Sample ID:	8441416	8435640/8435641	8433221	8433220	8445642	8445641	8428694/8428695	8428686/8428687	8445644	8445643
Sample Date:	6/21/16	6/20/16	6/16/16	6/16/16	6/23/16	6/23/16	6/15/16	6/15/16	6/23/16	6/23/16
Sample Type:	PDN	N	PDN	PDN	PDN	PDN	N	N	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	31 U	5.0 U	23 U	5.0 U	61 U	36 U	5.0 U	5.0 U	34 U	37 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	1.2	0.2	1.4	0.4	2.4	1.7	1.5	0.4	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.6	4.4	1.4	2.3	0.2 U	5.9	5.7	5.8	2.5	1.4
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.3	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.020 U	0.025	0.020 U	0.26	0.20	0.11	0.052	0.042	0.020 U	0.020 U
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	--	0.10 U	--	--	--	--	0.10 U	0.12 J	--	--
Sulfate	--	13.9	--	--	--	--	10.2	11.8	--	--
Sulfide, Total	--	0.10 U	--	--	--	--	0.10 U	0.10 U	--	--
Total Organic Carbon	--	1.0 U	--	--	--	--	1.0 U	1.0 U	--	--
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	24	--	--	--	--	15	3.0 U	--	--
Ethane	--	1.0 U	--	--	--	--	1.0 U	1.0 U	--	--
Ethene	--	1.0 U	--	--	--	--	1.0 U	1.0 U	--	--
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW162	AGW163	AGW164	AGW165	AGW166	AGW167	AGW168	AGW169	AGW170	AGW171
Field Sample ID:	AGW162-20160621	AGW163-20160620	AGW164-20160616	AGW165-20160616	AGW166-20160623	AGW167-20160623	AGW168-20160615	AGW169-20160615	AGW170-20160623	AGW171-20160623
Zone:	Intermediate	Intermediate	Intermediate	Shallow	Intermediate	Deep	Intermediate	Deep	Intermediate	Deep
Laboratory SDG:	1675363	1674093	1673585	1673585	1676202	1676202	1672629	1672629	1676202	1676202
Sample ID:	8441416	8435640/8435641	8433221	8433220	8445642	8445641	8428694/8428695	8428686/8428687	8445644	8445643
Sample Date:	6/21/16	6/20/16	6/16/16	6/16/16	6/23/16	6/23/16	6/15/16	6/15/16	6/23/16	6/23/16
Sample Type:	PDN	N	PDN	PDN	PDN	PDN	N	N	PDN	PDN
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW172	AGW172	AGW173	AGW174	AGW174	AGW175	AGW176	AGW177	AGW178	AGW179
Field Sample ID:	AGW172-20160620	AGW905-20160620	AGW173-20160620	AGW174-20160614	AGW901-20160614	AGW175-20160621	AGW176-20160620	AGW177-20160622	AGW178-20160622	AGW179-20160614
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Intermediate
Laboratory SDG:	1674650	1674650	1674650	1672097	1672097	1675363	1674650	1676411	1676411	1672094
Sample ID:	8438251	8438250	8438252	8426386	8426387/8426384	8441410	8438253	8447855	8447856	8426364/8426365
Sample Date:	6/20/16	6/20/16	6/20/16	6/14/16	6/14/16	6/21/16	6/20/16	6/22/16	6/22/16	6/14/16
Sample Type:	PDN	PDFD	PDN	N	FD	PDN	PDN	PDN	PDN	N
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	54 U	53 U	52 U	5.0 U	5.0 U	5.0 U	100 U	35 U	42 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
cis-1,2-Dichloroethene	0.4	0.4	0.2 U	0.2 U	0.2 U	0.4	0.3	1.3	0.5	7.1
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	4.1	3.9	0.2	1.9	1.9	2.4	3.8	5.1	4.8	0.2 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
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	0.080
Conventionals (mg/L)										
Nitrogen, Nitrate (as N)	--	--	--	0.98	0.99	--	--	--	--	0.10 U
Sulfate	--	--	--	13.9	13.9	--	--	--	--	1.0 U
Sulfide, Total	--	--	--	0.10 U	0.10 U	--	--	--	--	0.10 U
Total Organic Carbon	--	--	--	1.0 U	1.0 U	--	--	--	--	13.6
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	--	--	3.0 U	3.0 U	--	--	--	--	6,000
Ethane	--	--	--	1.0 U	1.0 U	--	--	--	--	1.0 U
Ethene	--	--	--	1.0 U	1.0 U	--	--	--	--	1.0 U
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW172	AGW172	AGW173	AGW174	AGW174	AGW175	AGW176	AGW177	AGW178	AGW179
Field Sample ID:	AGW172-20160620	AGW905-20160620	AGW173-20160620	AGW174-20160614	AGW901-20160614	AGW175-20160621	AGW176-20160620	AGW177-20160622	AGW178-20160622	AGW179-20160614
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Intermediate
Laboratory SDG:	1674650	1674650	1674650	1672097	1672097	1675363	1674650	1676411	1676411	1672094
Sample ID:	8438251	8438250	8438252	8426386	8426387/8426384	8441410	8438253	8447855	8447856	8426364/8426365
Sample Date:	6/20/16	6/20/16	6/20/16	6/14/16	6/14/16	6/21/16	6/20/16	6/22/16	6/22/16	6/14/16
Sample Type:	PDN	PDFD	PDN	N	FD	PDN	PDN	PDN	PDN	N
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW180	AGW181	AGW182	AGW183	AGW184	AGW185	AGW186	AGW187	AGW188	AGW189
Field Sample ID:	AGW180-20160614	AGW181-20160613	AGW182-20160622	AGW183-20160622	AGW184-20160621	AGW185-20160614	AGW186-20160621	AGW187-20160622	AGW188-20160613	AGW189-20160621
Zone:	Deep	Intermediate	Intermediate	Deep	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate
Laboratory SDG:	1672094	1671664	1676411	1676411	1675363	1672094	1675363	1676411	1671664	1675363
Sample ID:	8426366/8426367	8424512/8424513	8447857	8447858	8441420	8426368/8426369	8441419	8447863	8424506/8424507	8441412
Sample Date:	6/14/16	6/13/16	6/22/16	6/22/16	6/21/16	6/14/16	6/21/16	6/22/16	6/13/16	6/21/16
Sample Type:	N	N	PDN	PDN	PDN	N	PDN	PDN	N	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	5.0 U	5.0 U	52 U	5.0 U	23 U	5.0 U	37 U	40 U	5.0 U	34 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2	1.2	2.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.6	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	3.5	5.3	1.7	0.2 U	0.4	3.0	0.7	1.8	4.6	0.9
Vinyl Chloride	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
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.020 U	0.029	0.16	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.023	0.020 U
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	0.60	0.10 U	--	--	--	0.89	--	--	0.10 U	--
Sulfate	13.8	12.1	--	--	--	14.8	--	--	11.5	--
Sulfide, Total	0.10 U	0.10 U	--	--	--	0.10 U	--	--	0.10 U	--
Total Organic Carbon	1.0 U	1.0 U	--	--	--	1.0 U	--	--	1.0 U	--
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	3.0 U	19	--	--	--	3.0 U	--	--	8.1	--
Ethane	1.0 U	1.0 U	--	--	--	1.0 U	--	--	1.0 U	--
Ethene	1.0 U	1.0 U	--	--	--	1.0 U	--	--	1.0 U	--
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

**Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington**

Sample Location:	AGW180	AGW181	AGW182	AGW183	AGW184	AGW185	AGW186	AGW187	AGW188	AGW189
Field Sample ID:	AGW180-20160614	AGW181-20160613	AGW182-20160622	AGW183-20160622	AGW184-20160621	AGW185-20160614	AGW186-20160621	AGW187-20160622	AGW188-20160613	AGW189-20160621
Zone:	Deep	Intermediate	Intermediate	Deep	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Intermediate
Laboratory SDG:	1672094	1671664	1676411	1676411	1675363	1672094	1675363	1676411	1671664	1675363
Sample ID:	8426366/8426367	8424512/8424513	8447857	8447858	8441420	8426368/8426369	8441419	8447863	8424506/8424507	8441412
Sample Date:	6/14/16	6/13/16	6/22/16	6/22/16	6/21/16	6/14/16	6/21/16	6/22/16	6/13/16	6/21/16
Sample Type:	N	N	PDN	PDN	PDN	N	PDN	PDN	N	PDN
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW190	AGW191	AGW192	AGW193	AGW194	AGW195	AGW196	AGW197	AGW198	AGW199
Field Sample ID:	AGW190-20160620	AGW191-20160623	AGW192-20160623	AGW193-20160623	AGW194-20160614	AGW195-20160613	AGW196-20160613	AGW197-20160613	AGW198-20160613	AGW199-20160620
Zone:	Intermediate	Intermediate	Deep	Shallow	Shallow	Deep	Intermediate	Deep	Intermediate	Deep
Laboratory SDG:	1674650	1676210	1676210	1676202	1672086	1671665	1671665	1671665	1671665	1674650
Sample ID:	8438247	8445687	8445688	8445640	8426331/8426332	8424518/8424519	8424516/8424517	8424526/8424527	8424524/8424525	8438254
Sample Date:	6/20/16	6/23/16	6/23/16	6/23/16	6/14/16	6/13/16	6/13/16	6/13/16	6/13/16	6/20/16
Sample Type:	PDN	PDN	PDN	PDN	N	N	N	N	N	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	35 U	25 U	51 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	36 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	1.6	0.7	0.9	3.8	0.7	0.7	1.1
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.2	0.2 U	0.2 U	3.3	1.8	8.0	0.2 U	9.2	7.3	8.4
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.4	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.020 U	0.020 U	0.020 U	0.14	0.020 U	0.020 U	--	0.020 U	0.020 U	0.020 U
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	--	--	--	--	0.10 U	0.34	0.10 U	0.10 U	0.47 J	--
Sulfate	--	--	--	--	12.1	13.9	1.0 U	13.4	13.5 J	--
Sulfide, Total	--	--	--	--	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--
Total Organic Carbon	--	--	--	--	7.1	1.0 U	11.2	1.0 U	1.0 U	--
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	--	--	--	32	3.0 U	5,700	92	9.2	--
Ethane	--	--	--	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	--
Ethene	--	--	--	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	--
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW190	AGW191	AGW192	AGW193	AGW194	AGW195	AGW196	AGW197	AGW198	AGW199
Field Sample ID:	AGW190-20160620	AGW191-20160623	AGW192-20160623	AGW193-20160623	AGW194-20160614	AGW195-20160613	AGW196-20160613	AGW197-20160613	AGW198-20160613	AGW199-20160620
Zone:	Intermediate	Intermediate	Deep	Shallow	Shallow	Deep	Intermediate	Deep	Intermediate	Deep
Laboratory SDG:	1674650	1676210	1676210	1676202	1672086	1671665	1671665	1671665	1671665	1674650
Sample ID:	8438247	8445687	8445688	8445640	8426331/8426332	8424518/8424519	8424516/8424517	8424526/8424527	8424524/8424525	8438254
Sample Date:	6/20/16	6/23/16	6/23/16	6/23/16	6/14/16	6/13/16	6/13/16	6/13/16	6/13/16	6/20/16
Sample Type:	PDN	PDN	PDN	PDN	N	N	N	N	N	PDN
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW199	AGW200-2	AGW200-5	AGW200-5	AGW200-6	AGW201-2	AGW201-2	AGW201-5	AGW201-6	AGW202-2
Field Sample ID:	AGW906-20160620	AGW200-2-30-20160621	AGW200-5-60-20160621	AGW904-20160621	AGW200-6-80-20160621	AGW201-2-30-20160621	AGW909-20160621	AGW201-5-60-20160621	AGW201-6-80-20160621	AGW202-2-30-20160615
Zone:	Deep	Shallow	Intermediate	Intermediate	Deep	Shallow	Shallow	Intermediate	Deep	Shallow
Laboratory SDG:	1674650	1675361	1675361	1675361	1675361	1675361	1675361	1675361	1675361	1673247
Sample ID:	8438255	8441386	8441384	8441385	8441383	8441389	8441388	8441387	8441394	8431459
Sample Date:	6/20/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/15/16
Sample Type:	PDFD	N	N	FD	N	N	FD	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	35 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	1.0	2.7	5.2	5.2	4.3	2.7	2.7	3.3	4.6	1.2
trans-1,2-Dichloroethene	0.2 U	0.3	0.5	0.5	0.5	0.2 U	0.2 U	0.3	0.4	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	8.1	0.4	1.8	1.8	1.2	0.6	0.6	5.5	7.8	1.7
Vinyl Chloride	0.2 U	1.1	1.2	1.2	1.0	1.0	1.1	0.8	0.5	0.2
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.020 U	--	--	--	--	--	--	--	0.42	0.18
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--
Sulfide, Total	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	--	--	--	--	--	--	--	--	--
Ethane	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW199	AGW200-2	AGW200-5	AGW200-5	AGW200-6	AGW201-2	AGW201-2	AGW201-5	AGW201-6	AGW202-2
Field Sample ID:	AGW906-20160620	AGW200-2-30-20160621	AGW200-5-60-20160621	AGW904-20160621	AGW200-6-80-20160621	AGW201-2-30-20160621	AGW909-20160621	AGW201-5-60-20160621	AGW201-6-80-20160621	AGW202-2-30-20160615
Zone:	Deep	Shallow	Intermediate	Intermediate	Deep	Shallow	Shallow	Intermediate	Deep	Shallow
Laboratory SDG:	1674650	1675361	1675361	1675361	1675361	1675361	1675361	1675361	1675361	1673247
Sample ID:	8438255	8441386	8441384	8441385	8441383	8441389	8441388	8441387	8441394	8431459
Sample Date:	6/20/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/15/16
Sample Type:	PDFD	N	N	FD	N	N	FD	N	N	N
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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

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Abbreviations and Acronyms:

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NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW202-4	AGW202-6	AGW203-2	AGW203-4	AGW203-6	AGW204	AGW205	AGW206	AGW207-2	AGW207-4
Field Sample ID:	AGW202-4-51-20160615	AGW202-6-81-20160615	AGW203-2-30-20160615	AGW203-4-49-20160615	AGW203-6-80-20160615	AGW204-20160617	AGW205-20160622	AGW206-20160622	AGW207-2-30-20160614	AGW207-4-49-20160614
Zone:	Intermediate	Deep	Shallow	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Shallow	Intermediate
Laboratory SDG:	1673247	1673247	1672629	1672629	1672629	1673571	1676410	1676410	1672094	1672094
Sample ID:	8431460	8431461	8428692/8428693	8428688/8428689	8428690/8428691	8433130	8447838	8447843	8426358/8426359	8426360/8426361
Sample Date:	6/15/16	6/15/16	6/15/16	6/15/16	6/15/16	6/17/16	6/22/16	6/22/16	6/14/16	6/14/16
Sample Type:	N	N	N	N	N	PDN	PDN	PDN	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	23 U	23 U	30 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	1.3	0.3	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	4.1	2.4
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.4	0.4	0.2 U	0.3	0.2 U	0.3	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	3.4	1.1	1	4.1	0.2 U	0.2 U	0.2 U	0.5	8.1	7.2
Vinyl Chloride	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	0.3
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	--	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.16	0.21
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	--	--	0.65	0.47	0.24	--	--	--	0.10 U	0.10 U
Sulfate	--	--	13.8	13.7	10.4	--	--	--	11.7	11.4
Sulfide, Total	--	--	0.10 U	0.10 U	0.10 U	--	--	--	0.10 U	0.10 U
Total Organic Carbon	--	--	1.0 U	1.0 U	1.0 U	--	--	--	1.4	1.0 U
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	--	3.0 U	3.0 U	4.2	--	--	--	110	51
Ethane	--	--	1.0 U	1.0 U	1.0 U	--	--	--	1.0 U	1.0 U
Ethene	--	--	1.0 U	1.0 U	1.0 U	--	--	--	1.0 U	1.0 U
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

**Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington**

Sample Location:	AGW202-4	AGW202-6	AGW203-2	AGW203-4	AGW203-6	AGW204	AGW205	AGW206	AGW207-2	AGW207-4
Field Sample ID:	AGW202-4-51-20160615	AGW202-6-81-20160615	AGW203-2-30-20160615	AGW203-4-49-20160615	AGW203-6-80-20160615	AGW204-20160617	AGW205-20160622	AGW206-20160622	AGW207-2-30-20160614	AGW207-4-49-20160614
Zone:	Intermediate	Deep	Shallow	Intermediate	Deep	Intermediate	Intermediate	Intermediate	Shallow	Intermediate
Laboratory SDG:	1673247	1673247	1672629	1672629	1672629	1673571	1676410	1676410	1672094	1672094
Sample ID:	8431460	8431461	8428692/8428693	8428688/8428689	8428690/8428691	8433130	8447838	8447843	8426358/8426359	8426360/8426361
Sample Date:	6/15/16	6/15/16	6/15/16	6/15/16	6/15/16	6/17/16	6/22/16	6/22/16	6/14/16	6/14/16
Sample Type:	N	N	N	N	N	PDN	PDN	PDN	N	N
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW207-7	AGW208-2	AGW208-4	AGW208-6	AGW208-6	AGW209-2	AGW209-5	AGW209-6	AGW210-2	AGW210-5
Field Sample ID:	AGW207-7-80-20160614	AGW208-2-29-20160615	AGW208-4-49-20160615	AGW208-6-80-20160615	AGW910-20160615	AGW209-2-30-20160613	AGW209-5-60-20160613	AGW209-6-80-20160613	AGW210-2-30-20160617	AGW210-5-60-20160617
Zone:	Deep	Shallow	Intermediate	Deep	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate
Laboratory SDG:	1672094	1673247	1673247	1673247	1673247	1671667	1671667	1671667	1673574	1673574
Sample ID:	8426362/8426363	8431464	8431466	8431463	8431462	8424531/8424532	8424534/8424535	8424536/8424537	8433149	8433148
Sample Date:	6/14/16	6/15/16	6/15/16	6/15/16	6/15/16	6/13/16	6/13/16	6/13/16	6/17/16	6/17/16
Sample Type:	N	N	N	N	FD	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)										
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
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.7	4.9	1.4	0.6	0.6	0.2 U	1.5	0.9	0.2 U	1.0
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
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	6.3	3.3	4.0	5.8	5.6	0.2 U	2.5	5.9	0.2 U	1.5
Vinyl Chloride	0.2 U	2.4	0.2 U	0.2 U	0.2 U	1.7	1.0	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.026	--	0.020 U	0.020 U	0.020 U	--	0.85	0.020 U	0.020 U	0.032
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	0.27	--	--	--	--	0.10 U	0.10 U	0.33	--	--
Sulfate	13.0	--	--	--	--	1.0 U	5.5	13.6	--	--
Sulfide, Total	0.10 U	--	--	--	--	0.11 J	0.10 U	0.10 U	--	--
Total Organic Carbon	1.0 U	--	--	--	--	35.0	4.0	1.0 U	--	--
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	13	--	--	--	--	8,300	1,100	20	--	--
Ethane	1.0 U	--	--	--	--	1.1	1.0 U	1.0 U	--	--
Ethene	1.0 U	--	--	--	--	1.0 U	1.0 U	1.0 U	--	--
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW207-7	AGW208-2	AGW208-4	AGW208-6	AGW208-6	AGW209-2	AGW209-5	AGW209-6	AGW210-2	AGW210-5
Field Sample ID:	AGW207-7-80-20160614	AGW208-2-29-20160615	AGW208-4-49-20160615	AGW208-6-80-20160615	AGW910-20160615	AGW209-2-30-20160613	AGW209-5-60-20160613	AGW209-6-80-20160613	AGW210-2-30-20160617	AGW210-5-60-20160617
Zone:	Deep	Shallow	Intermediate	Deep	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate
Laboratory SDG:	1672094	1673247	1673247	1673247	1673247	1671667	1671667	1671667	1673574	1673574
Sample ID:	8426362/8426363	8431464	8431466	8431463	8431462	8424531/8424532	8424534/8424535	8424536/8424537	8433149	8433148
Sample Date:	6/14/16	6/15/16	6/15/16	6/15/16	6/15/16	6/13/16	6/13/16	6/13/16	6/17/16	6/17/16
Sample Type:	N	N	N	N	FD	N	N	N	N	N
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW210-6	AGW211-2	AGW211-5	AGW211-6	AGW212-2	AGW212-5	AGW212-7	AGW213	AGW214	AGW215
Field Sample ID:	AGW210-6-80-20160617	AGW211-2-30-20160613	AGW211-5-60-20160613	AGW211-6-80-20160613	AGW212-2-30-20160617	AGW212-5-60-20160617	AGW212-7-100-20160617	AGW213-20160613	AGW214-20160620	AGW215-20160620
Zone:	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Deep	Intermediate	Intermediate
Laboratory SDG:	1673574	1671667	1671667	1671667	1673574	1673574	1673574	1671664	1674650	1674650
Sample ID:	8433147	8424538/8424539	8424542/8424543	8424540/8424541	8433152	8433153	8433154	8424510/8424511	8438257	8438256
Sample Date:	6/17/16	6/13/16	6/13/16	6/13/16	6/17/16	6/17/16	6/17/16	6/13/16	6/20/16	6/20/16
Sample Type:	N	N	N	N	N	N	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)										
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
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2	0.2 U	0.9	0.6	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	4.3	0.2 U	4.2	2.6	0.2 U	1.5	4.3	0.2 U	2.7	0.2 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.024	0.020 U	0.020 U
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	--	0.10 U	0.15	0.54	--	--	--	0.10 U	--	--
Sulfate	--	1.0 U	13.7	12.4	--	--	--	11.2	--	--
Sulfide, Total	--	0.10 U	0.10 U	0.28	--	--	--	0.10 U	--	--
Total Organic Carbon	--	8.7	1.0 U	2.3	--	--	--	1.0 U	--	--
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	2,500	170	310	--	--	--	30	--	--
Ethane	--	1.0 U	1.0 U	1.0 U	--	--	--	1.0 U	--	--
Ethene	--	1.0 U	1.0 U	1.0 U	--	--	--	1.0 U	--	--
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW210-6	AGW211-2	AGW211-5	AGW211-6	AGW212-2	AGW212-5	AGW212-7	AGW213	AGW214	AGW215
Field Sample ID:	AGW210-6-80-20160617	AGW211-2-30-20160613	AGW211-5-60-20160613	AGW211-6-80-20160613	AGW212-2-30-20160617	AGW212-5-60-20160617	AGW212-7-100-20160617	AGW213-20160613	AGW214-20160620	AGW215-20160620
Zone:	Deep	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep	Deep	Intermediate	Intermediate
Laboratory SDG:	1673574	1671667	1671667	1671667	1673574	1673574	1673574	1671664	1674650	1674650
Sample ID:	8433147	8424538/8424539	8424542/8424543	8424540/8424541	8433152	8433153	8433154	8424510/8424511	8438257	8438256
Sample Date:	6/17/16	6/13/16	6/13/16	6/13/16	6/17/16	6/17/16	6/17/16	6/13/16	6/20/16	6/20/16
Sample Type:	N	N	N	N	N	N	N	N	N	N
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW216	AGW217	AGW218	AGW219	AGW220	AGW221	AGW221	AGW222	AGW223	AGW224
Field Sample ID:	AGW216-20160622	AGW217-20160613	AGW218-20160622	AGW219-20160620	AGW220-20160614	AGW221-20160620	AGW911-20160620	AGW222-20160617	AGW223-20160617	AGW224-20160622
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Shallow-WT
Laboratory SDG:	1676411	1671664	1676411	1674650	1672086	1674650	1674650	1673571	1673571	1676411
Sample ID:	8447861	8424508/8424509	8447860	8438246	8426329/8426330	8438258	8438259	8433126	8433132	8447859
Sample Date:	6/22/16	6/13/16	6/22/16	6/20/16	6/14/16	6/20/16	6/20/16	6/17/16	6/17/16	6/22/16
Sample Type:	N	N	N	PDN	N	N	FD	PDN	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	5.0 U	5.0 U	5.0 U	39 U	5.0 U	5.0 U	5.0 U	19 U	24 U	51 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.2	0.4	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1	1.8	3.5	0.2 U	0.4	0.2 U	0.2 U	0.5	0.2 U	0.2 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
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
Conventionals (mg/L)										
Nitrogen, Nitrate (as N)	--	0.10 U	--	--	0.10 U	--	--	--	--	--
Sulfate	--	9.8	--	--	2.8	--	--	--	--	--
Sulfide, Total	--	0.10 U	--	--	0.10 U	--	--	--	--	--
Total Organic Carbon	--	1.0 U	--	--	1.0 U	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	32	--	--	380	--	--	--	--	--
Ethane	--	1.0 U	--	--	1.0 U	--	--	--	--	--
Ethene	--	1.0 U	--	--	1.0 U	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW216	AGW217	AGW218	AGW219	AGW220	AGW221	AGW221	AGW222	AGW223	AGW224
Field Sample ID:	AGW216-20160622	AGW217-20160613	AGW218-20160622	AGW219-20160620	AGW220-20160614	AGW221-20160620	AGW911-20160620	AGW222-20160617	AGW223-20160617	AGW224-20160622
Zone:	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Shallow-WT
Laboratory SDG:	1676411	1671664	1676411	1674650	1672086	1674650	1674650	1673571	1673571	1676411
Sample ID:	8447861	8424508/8424509	8447860	8438246	8426329/8426330	8438258	8438259	8433126	8433132	8447859
Sample Date:	6/22/16	6/13/16	6/22/16	6/20/16	6/14/16	6/20/16	6/20/16	6/17/16	6/17/16	6/22/16
Sample Type:	N	N	N	PDN	N	N	FD	PDN	PDN	PDN
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW225	AGW226	AGW226	AGW226	AGW227	AGW227	AGW227	AGW228	AGW228	AGW228
Field Sample ID:	AGW225-20160623	AGW226-20160621	AGW226PD2-20160621	AGW226PD6-20160621	AGW227-20160621	AGW227PD42-20160621	AGW227PD46-20160621	AGW228-20160621	AGW228PD20-20160621	AGW228PD24-20160621
Zone:	Shallow	Shallow	Shallow	Shallow	Intermediate	Intermediate	Intermediate	Shallow	Shallow	Shallow
Laboratory SDG:	1675364	1675364	1675364	1675364	1675364	1675364	1675364	1675364	1675364	1675364
Sample ID:	8445685/8445686	8441423/8441424	8441426	8441427	8441430	8441428	8441429	8441433	8441431	8441432
Sample Date:	6/23/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16
Sample Type:	N	N	PDN	PDN	N	PDN	PDN	N	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	5.0 U	5.0 U	14 U	47 U	5.0 U	25 U	20 U	5.0 U	14 U	14 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	4.4	4.8	4.2	4.5	2.5	2.7	2.2	3.0	2.9	3.1
trans-1,2-Dichloroethene	0.5	0.3	0.3	0.3	0.3	0.4	0.2	0.4	0.4	0.4
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	2.3	1	0.9	1.4	2.3	2.2	0.9	2.8	2.2	1.9
Vinyl Chloride	0.5	0.7	0.6	0.8	0.3	0.3	0.3	0.3	0.3	0.3
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.37	0.54	0.50	0.57	0.19	0.21	0.24	0.22	0.24	0.24
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	--
Sulfate	4.9	7.4	--	--	--	--	--	--	--	--
Sulfide, Total	0.10 U	0.10 U	--	--	--	--	--	--	--	--
Total Organic Carbon	3.6	2.7	--	--	--	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	330	1,200	--	--	--	--	--	--	--	--
Ethane	1.0 U	1.0 U	--	--	--	--	--	--	--	--
Ethene	1.0 U	1.0 U	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW225	AGW226	AGW226	AGW226	AGW227	AGW227	AGW227	AGW228	AGW228	AGW228
Field Sample ID:	AGW225-20160623	AGW226-20160621	AGW226PD2-20160621	AGW226PD6-20160621	AGW227-20160621	AGW227PD42-20160621	AGW227PD46-20160621	AGW228-20160621	AGW228PD20-20160621	AGW228PD24-20160621
Zone:	Shallow	Shallow	Shallow	Shallow	Intermediate	Intermediate	Intermediate	Shallow	Shallow	Shallow
Laboratory SDG:	1676210	1675364	1675364	1675364	1675364	1675364	1675364	1675364	1675364	1675364
Sample ID:	8445685/8445686	8441423/8441424	8441426	8441427	8441430	8441428	8441429	8441433	8441431	8441432
Sample Date:	6/23/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16	6/21/16
Sample Type:	N	N	PDN	PDN	N	PDN	PDN	N	PDN	PDN
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW229	AGW230	AGW231	AGW232	AGW233	AGW234	AGW235-2	AGW235-4	AGW235-7	AGW236
Field Sample ID:	AGW229-20160623	AGW230-20160621	AGW231-20160613	AGW232-20160613	AGW233-20160622	AGW234-20160617	AGW235-2-19-20160615	AGW235-4-39-20160615	AGW235-7-71-20160615	AGW236-20160617
Zone:	Shallow-WT	Deep	Shallow	Shallow	Deep	Deep	Shallow	Intermediate	Deep	Shallow
Laboratory SDG:	1676202	1675363	1671665	1671665	1676411	1673574	1672630	1672630	1672630	1673574
Sample ID:	8445645	8441421	8424522/8424523	8424520/8424521	8447862	8433151	8428700/8428701	8428702/8428703	8428704/8428705	8433150
Sample Date:	6/23/16	6/21/16	6/13/16	6/13/16	6/22/16	6/17/16	6/15/16	6/15/16	6/15/16	6/17/16
Sample Type:	PDN	PDN	N	N	PDN	PDN	N	N	N	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	38 U	43 U	5.0 U	5.0 U	25 U	21 U	5.0 U	5.0 U	5.0 U	55 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.3	0.2	0.3	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.9	0.2 U	0.9	4.6	0.2 U	1.6	2.3	9.5	0.2 U	4.2
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	2.1	1.1	0.7	0.2 U	0.2 U	5.7	0.2 U	4.8	0.2 U	3.3
Vinyl Chloride	0.2 U	0.2 U	2.8	1.8	0.2 U	0.2 U	2.5	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.020 U	0.020 U	--	--	0.020 U	0.10	2.2	0.11	0.020 U	0.062
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	--	--	0.10 U	0.10 U	--	--	0.10 U	0.10 U	0.10 U	--
Sulfate	--	--	1.0 U	1.0 U	--	--	1.0 U	7.3	1.0 U	--
Sulfide, Total	--	--	0.10 U	0.10 U	--	--	0.10 U	0.10 U	0.10 U	--
Total Organic Carbon	--	--	26.5	16.8	--	--	2.8	1.0 U	1.3	--
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	--	4,600	3,700	--	--	2,900	290	1,100	--
Ethane	--	--	1.0 U	1.0 U	--	--	1.0 U	1.0 U	1.0 U	--
Ethene	--	--	1.0 U	1.0 U	--	--	1.0 U	1.0 U	1.0 U	--
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW229	AGW230	AGW231	AGW232	AGW233	AGW234	AGW235-2	AGW235-4	AGW235-7	AGW236
Field Sample ID:	AGW229-20160623	AGW230-20160621	AGW231-20160613	AGW232-20160613	AGW233-20160622	AGW234-20160617	AGW235-2-19-20160615	AGW235-4-39-20160615	AGW235-7-71-20160615	AGW236-20160617
Zone:	Shallow-WT	Deep	Shallow	Shallow	Deep	Deep	Shallow	Intermediate	Deep	Shallow
Laboratory SDG:	1676202	1675363	1671665	1671665	1676411	1673574	1672630	1672630	1672630	1673574
Sample ID:	8445645	8441421	8424522/8424523	8424520/8424521	8447862	8433151	8428700/8428701	8428702/8428703	8428704/8428705	8433150
Sample Date:	6/23/16	6/21/16	6/13/16	6/13/16	6/22/16	6/17/16	6/15/16	6/15/16	6/15/16	6/17/16
Sample Type:	PDN	PDN	N	N	PDN	PDN	N	N	N	PDN
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW237	AGW237	AGW237	AGW237	AGW237	AGW237	AGW237	AGW238	AGW239	AGW240-1	AGW240-5
Field Sample ID:	AGW237-20160614	AGW237PD-72-20160614	AGW237PD-76-20160614	AGW902-20160614	AGW902PD-1-20160614	AGW902PD-2-20160614	AGW902PD-2-20160614	AGW238-20160613	AGW239-20160613	AGW240-1-7-20160615	AGW240-5-28-20160615
Zone:	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Intermediate	Shallow	Shallow-WT	Shallow
Laboratory SDG:	1672086	1672086	1672086	1672086	1672086	1672086	1672086	1671668	1671668	1673247	1673247
Sample ID:	8426335/8426336	8426328	8426325	8426333/8426334	8426327	8426326	8426326	8424550/8424551	8424548/8424549	8431454/8431455	8431456/8431457
Sample Date:	6/14/16	6/14/16	6/14/16	6/14/16	6/14/16	6/14/16	6/14/16	6/13/16	6/13/16	6/15/16	6/15/16
Sample Type:	N	PDN	PDN	FD	PDFD	PDFD	PDFD	N	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)											
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
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.6	0.5	0.5	0.6	0.5	0.5	0.5	0.5 U	0.5	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	1	0.9	1.0	1	0.9	0.9	1.0	0.2 U	0.3	0.2 U	0.2 U
cis-1,2-Dichloroethene	1.0	1.0	1.1	1.1	1.0	1.0	1.0	0.2 U	13	0.2 U	0.3
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6	0.2 U	0.3
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	2.5	2.6	2.1	2.6	2.5	2.1	2.1	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.5	0.2 U	2.5
m-&p-Xylenes	0.5 U	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)											
Vinyl Chloride	0.033	0.037	0.035	0.037	0.037	0.038	0.020 U		1.1	0.11	1.9
Conventional (mg/L)											
Nitrogen, Nitrate (as N)	0.10 U	--	--	0.10 U	--	--	0.10 U	0.10 U	0.10 U	--	--
Sulfate	14.4	--	--	14.6	--	--	2.1	1.0 U	1.0 U	1.0 U	1.0 U
Sulfide, Total	0.10 U	--	--	0.10 U	--	--	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Total Organic Carbon	1.0 U	--	--	1.0 U	--	--	1.0 U	2.7	7.5	20.2	
Natural Attenuation Parameters (µg/L; RSK-175)											
Methane	9.0	--	--	8.8	--	--	600	1,500	5,700	8,100	
Ethane	1.0 U	--	--	1.0 U	--	--	1.0 U	1.0 U	3.4	2.3	
Ethene	1.0 U	--	--	1.0 U	--	--	1.0 U	1.0 U	1.0 U	2.0	
Dissolved Metals (mg/L; SW-846 6010)											
Arsenic	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW237	AGW237	AGW237	AGW237	AGW237	AGW237	AGW238	AGW239	AGW240-1	AGW240-5
Field Sample ID:	AGW237-20160614	AGW237PD-72-20160614	AGW237PD-76-20160614	AGW902-20160614	AGW902PD-1-20160614	AGW902PD-2-20160614	AGW238-20160613	AGW239-20160613	AGW240-1-7-20160615	AGW240-5-28-20160615
Zone:	Deep	Deep	Deep	Deep	Deep	Deep	Intermediate	Shallow	Shallow-WT	Shallow
Laboratory SDG:	1672086	1672086	1672086	1672086	1672086	1672086	1671668	1671668	1673247	1673247
Sample ID:	8426335/8426336	8426328	8426325	8426333/8426334	8426327	8426326	8424550/8424551	8424548/8424549	8431454/8431455	8431456/8431457
Sample Date:	6/14/16	6/14/16	6/14/16	6/14/16	6/14/16	6/14/16	6/13/16	6/13/16	6/15/16	6/15/16
Sample Type:	N	PDN	PDN	FD	PDFD	PDFD	N	N	N	N
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

**Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington**

Sample Location:	AGW241-1	AGW241-5	AGW242-1	AGW242-2	AGW242-5	AGW243-1	AGW243-3	AGW243-5	AGW244	AGW245
Field Sample ID:	AGW241-1-6-20160615	AGW241-5-27-20160615	AGW242-1-6-20160615	AGW242-2-16-20160615	AGW242-5-60-20160615	AGW243-1-6-20160615	AGW243-3-25-20160615	AGW243-5-50-20160615	AGW244-20160623	AGW245-20160622
Zone:	Shallow-WT	Shallow	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow-WT
Laboratory SDG:	1673245	1673245	1673245	1673245	1673245	1673245	1673245	1673245	1676202	1676412
Sample ID:	8431448	8431449	8431441	8431442	8431443	8431438	8431439	8431440	8445639	8447876
Sample Date:	6/15/16	6/15/16	6/15/16	6/15/16	6/15/16	6/15/16	6/15/16	6/15/16	6/23/16	6/22/16
Sample Type:	N	N	N	N	N	N	N	N	PDN	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)										
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	12 U	16 UJ
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	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
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.020 U	0.031	0.072	0.020 U	0.020 U	0.029	0.020 U	0.020 U	0.020 U	0.020 U
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--
Sulfide, Total	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	--	--	--	--	--	--	--	--	--
Ethane	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW241-1	AGW241-5	AGW242-1	AGW242-2	AGW242-5	AGW243-1	AGW243-3	AGW243-5	AGW244	AGW245
Field Sample ID:	AGW241-1-6-20160615	AGW241-5-27-20160615	AGW242-1-6-20160615	AGW242-2-16-20160615	AGW242-5-60-20160615	AGW243-1-6-20160615	AGW243-3-25-20160615	AGW243-5-50-20160615	AGW244-20160623	AGW245-20160622
Zone:	Shallow-WT	Shallow	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow	Intermediate	Shallow-WT	Shallow-WT
Laboratory SDG:	1673245	1673245	1673245	1673245	1673245	1673245	1673245	1673245	1676202	1676412
Sample ID:	8431448	8431449	8431441	8431442	8431443	8431438	8431439	8431440	8445639	8447876
Sample Date:	6/15/16	6/15/16	6/15/16	6/15/16	6/15/16	6/15/16	6/15/16	6/15/16	6/23/16	6/22/16
Sample Type:	N	N	N	N	N	N	N	N	PDN	PDN
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW246	AGW247-1	AGW247-5	AGW248-1	AGW248-5	AGW249-1	AGW249-5	AGW250-1	AGW250-1	AGW250-2
Field Sample ID:	AGW246-20160623	AGW247-1-6-20160615	AGW247-5-27-20160615	AGW248-1-5-20160621	AGW248-5-26-20160621	AGW249-1-8-20160621	AGW249-5-29-20160621	AGW250-1-9-20160622	AGW913-20160622	AGW250-2-26-20160622
Zone:	Shallow-WT	Shallow-WT	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow-WT	Shallow
Laboratory SDG:	1676210	1673245	1673245	1675366	1675366	1675366	1675366	1676412	1676412	1676412
Sample ID:	8445693	8431444/8431445	8431446/8431447	8441441	8441442	8441444	8441443	8447870	8447874	8447871
Sample Date:	6/23/16	6/15/16	6/15/16	6/21/16	6/21/16	6/21/16	6/21/16	6/22/16	6/22/16	6/22/16
Sample Type:	PDN	N	N	N	N	N	N	N	FD	N
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	41 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	1.8	0.2 U	1.8	0.2 U	2.1	0.2 U	0.2 U	0.2
trans-1,2-Dichloroethene	0.2 U	0.5	0.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	4.5	0.2 U	6.6	0.2 U	0.2 U	0.3
Vinyl Chloride	0.2 U	4.9	4.4	0.2 U	0.2 U	0.9	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.020 U	4.0	3.4	0.030	0.14	0.67	0.080	0.020 U	0.020 U	0.028
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	--
Sulfate	--	1.0 U	1.0 U	--	--	--	--	--	--	--
Sulfide, Total	--	0.10 U	0.10 U	--	--	--	--	--	--	--
Total Organic Carbon	--	9.7	5.4	--	--	--	--	--	--	--
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	6,100	2,300	--	--	--	--	--	--	--
Ethane	--	1.0 U	1.0 U	--	--	--	--	--	--	--
Ethene	--	1.0 U	1.0 U	--	--	--	--	--	--	--
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

**Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington**

Sample Location:	AGW246	AGW247-1	AGW247-5	AGW248-1	AGW248-5	AGW249-1	AGW249-5	AGW250-1	AGW250-1	AGW250-2
Field Sample ID:	AGW246-20160623	AGW247-1-6-20160615	AGW247-5-27-20160615	AGW248-1-5-20160621	AGW248-5-26-20160621	AGW249-1-8-20160621	AGW249-5-29-20160621	AGW250-1-9-20160622	AGW913-20160622	AGW250-2-26-20160622
Zone:	Shallow-WT	Shallow-WT	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow	Shallow-WT	Shallow-WT	Shallow
Laboratory SDG:	1676210	1673245	1673245	1675366	1675366	1675366	1675366	1676412	1676412	1676412
Sample ID:	8445693	8431444/8431445	8431446/8431447	8441441	8441442	8441444	8441443	8447870	8447874	8447871
Sample Date:	6/23/16	6/15/16	6/15/16	6/21/16	6/21/16	6/21/16	6/21/16	6/22/16	6/22/16	6/22/16
Sample Type:	PDN	N	N	N	N	N	N	N	FD	N
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW250-3	AGW250-6	AGW251-1	AGW251-2	AGW251-3	AGW251-6	AGW252	AGW253	AGW254-1	AGW254-2
Field Sample ID:	AGW250-3-41-20160622	AGW250-6-81-20160622	AGW251-1-8-20160620	AGW251-2-25-20160620	AGW251-3-40-20160620	AGW251-6-76-20160620	AGW252-20160621	AGW253-20160621	AGW254-1-20160623	AGW254-2-20-20160615
Zone:	Intermediate	Deep	Shallow-WT	Shallow	Intermediate	Deep	Deep	Intermediate	Shallow-WT	Shallow
Laboratory SDG:	1676412	1676412	1674733	1674733	1674733	1674733	1675363	1675363	1676210	1672630
Sample ID:	8447872	8447873	8438847/8438848	8438849/8438850	8438851/8438852	8438853	8441417	8441418	8445694	8428698/8428699
Sample Date:	6/22/16	6/22/16	6/20/16	6/20/16	6/20/16	6/20/16	6/21/16	6/21/16	6/23/16	6/15/16
Sample Type:	N	N	N	N	N	N	PDN	PDN	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	29 U	35 U	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	1	0.2 U	0.2 U	0.2 U	1.2	0.3	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	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
Vinyl Chloride	0.2 U	0.2 U	1.1	2.7	6.1	0.2	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.054	0.020 U	0.85	2.2	4.9	0.17	0.020 U	0.020 U	0.020 U	0.028
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	0.10 U
Sulfate	--	--	20.7	1.0 U	1.0 U	--	--	--	--	1.0 U
Sulfide, Total	--	--	2.0 U	2.0 U	2.0 U	--	--	--	--	0.10 U
Total Organic Carbon	--	--	11.0	8.1	8.1 J	--	--	--	--	3.8
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	--	1,800	3,700	2,600	--	--	--	--	7,000
Ethane	--	--	1.0 U	1.1	1.0 U	--	--	--	--	1.0 U
Ethene	--	--	1.0 U	2.7	1.0 U	--	--	--	--	1.0 U
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW250-3	AGW250-6	AGW251-1	AGW251-2	AGW251-3	AGW251-6	AGW252	AGW253	AGW254-1	AGW254-2
Field Sample ID:	AGW250-3-41-20160622	AGW250-6-81-20160622	AGW251-1-8-20160620	AGW251-2-25-20160620	AGW251-3-40-20160620	AGW251-6-76-20160620	AGW252-20160621	AGW253-20160621	AGW254-1-20160623	AGW254-2-20-20160615
Zone:	Intermediate	Deep	Shallow-WT	Shallow	Intermediate	Deep	Deep	Intermediate	Shallow-WT	Shallow
Laboratory SDG:	1676412	1676412	1674733	1674733	1674733	1674733	1675363	1675363	1676210	1672630
Sample ID:	8447872	8447873	8438847/8438848	8438849/8438850	8438851/8438852	8438853	8441417	8441418	8445694	8428698/8428699
Sample Date:	6/22/16	6/22/16	6/20/16	6/20/16	6/20/16	6/20/16	6/21/16	6/21/16	6/23/16	6/15/16
Sample Type:	N	N	N	N	N	N	PDN	PDN	N	N
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW254-5	AGW255-1	AGW255-3	AGW255-5	AGW255-5	AGW256	AGW257	AGW258	AGW259	AGW260
Field Sample ID:	AGW254-5-50-20160615	AGW255-1-13-20160621	AGW255-3-30-20160621	AGW255-5-55-20160621	AGW914-20160621	AGW256-20160620	AGW257-20160620	AGW258-20160620	AGW259-20160615	AGW260-20160623
Zone:	Intermediate	Shallow-WT	Shallow	Intermediate	Intermediate	Intermediate	Shallow	Shallow	Deep	Deep
Laboratory SDG:	1672630	1675364	1675364	1675364	1675364	1674643	1674643	1674643	1672630	1676210
Sample ID:	8428708/8428709	8441434	8441435	8441436	8441437	8438215	8438214	8438219	8428706/8428707	8445690
Sample Date:	6/15/16	6/21/16	6/21/16	6/21/16	6/21/16	6/20/16	6/20/16	6/20/16	6/15/16	6/23/16
Sample Type:	N	N	N	N	FD	PDN	PDN	PDN	N	PDN
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	57 U	21 U	28 U	5.0 U	41 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	0.2 U	2.8	1.4	0.9	0.8	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	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4	0.2 U	0.2 U	0.2 U
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
Trichloroethene	0.2 U	0.6	0.2 U	0.2 U	0.2 U	1.0	0.2	0.2 U	0.2 U	0.2 U
Vinyl Chloride	0.2 U	0.3	0.2	0.3	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.020 U	0.24	0.16	0.20	0.19	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	0.10 U	--	--	--	--	--	--	--	0.10 U	--
Sulfate	1.0 U	--	--	--	--	--	--	--	1.0 U	--
Sulfide, Total	0.10 U	--	--	--	--	--	--	--	0.10 U	--
Total Organic Carbon	3.1	--	--	--	--	--	--	--	2.1	--
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	9,500	--	--	--	--	--	--	--	5,300	--
Ethane	1.0 U	--	--	--	--	--	--	--	1.0 U	--
Ethene	1.0 U	--	--	--	--	--	--	--	1.0 U	--
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW254-5	AGW255-1	AGW255-3	AGW255-5	AGW255-5	AGW256	AGW257	AGW258	AGW259	AGW260
Field Sample ID:	AGW254-5-50-20160615	AGW255-1-13-20160621	AGW255-3-30-20160621	AGW255-5-55-20160621	AGW914-20160621	AGW256-20160620	AGW257-20160620	AGW258-20160620	AGW259-20160615	AGW260-20160623
Zone:	Intermediate	Shallow-WT	Shallow	Intermediate	Intermediate	Intermediate	Shallow	Shallow	Deep	Deep
Laboratory SDG:	1672630	1675364	1675364	1675364	1675364	1674643	1674643	1674643	1672630	1676210
Sample ID:	8428708/8428709	8441434	8441435	8441436	8441437	8438215	8438214	8438219	8428706/8428707	8445690
Sample Date:	6/15/16	6/21/16	6/21/16	6/21/16	6/21/16	6/20/16	6/20/16	6/20/16	6/15/16	6/23/16
Sample Type:	N	N	N	N	FD	PDN	PDN	PDN	N	PDN
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW261	AGW262	AGW263	AGW264	AGW265	AGW266	AGW267	AGW268	AGW269	AGW270
Field Sample ID:	AGW261-20160622	AGW262-20160623	AGW263-20160623	AGW264-20160623	AGW265-20160623	AGW266-20160613	AGW267-20160622	AGW268-20160622	AGW269-20160616	AGW270-20160616
Zone:	Shallow	Shallow-WT	Shallow-WT	Deep	Intermediate	Shallow	Intermediate	Deep	Shallow	Shallow
Laboratory SDG:	1676412	1676202	1676210	1676202	1676202	1671664	1676413	1676413	1673586	1673586
Sample ID:	8447875	8445647	8445689	8445638	8445637	8424504/8424505	8447880	8447881	8433239/8433240	8433235/8433236
Sample Date:	6/22/16	6/23/16	6/23/16	6/23/16	6/23/16	6/13/16	6/22/16	6/22/16	6/16/16	6/16/16
Sample Type:	PDN	PDN	PDN	PDN	PDN	N	PDN	PDN	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	5.0 U	5.0 U	5.0 U	34 U	52 U	5.0 U	51 UJ	36 UJ	5.0 U	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	1.2	0.2 U	5.6	0.2 U	0.2 U	0.5	0.2 U	0.2 U	1.9	6.0
trans-1,2-Dichloroethene	0.3	0.2 U	0.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6	0.8
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.1
Trichloroethene	2.7	0.2 U	1.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3
Vinyl Chloride	0.2 U	0.7	0.4	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	8.7	2.0
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	0.090	0.53	0.32	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	8.0	1.8
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	--	--	--	--	--	0.10 U	--	--	--	--
Sulfate	--	--	--	--	--	1.0 U	--	--	1.0 U	1.0 U
Sulfide, Total	--	--	--	--	--	0.10 U	--	--	0.10 U	0.10 U
Total Organic Carbon	--	--	--	--	--	1.0 U	--	--	8.2	46.7
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	--	--	--	--	--	9,700	--	--	24,000	25,000
Ethane	--	--	--	--	--	1.0 U	--	--	2.3 U	2.0 U
Ethene	--	--	--	--	--	1.0 U	--	--	1.0 U	1.0 U
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW261	AGW262	AGW263	AGW264	AGW265	AGW266	AGW267	AGW268	AGW269	AGW270
Field Sample ID:	AGW261-20160622	AGW262-20160623	AGW263-20160623	AGW264-20160623	AGW265-20160623	AGW266-20160613	AGW267-20160622	AGW268-20160622	AGW269-20160616	AGW270-20160616
Zone:	Shallow	Shallow-WT	Shallow-WT	Deep	Intermediate	Shallow	Intermediate	Deep	Shallow	Shallow
Laboratory SDG:	1676412	1676202	1676210	1676202	1676202	1671664	1676413	1676413	1673586	1673586
Sample ID:	8447875	8445647	8445689	8445638	8445637	8424504/8424505	8447880	8447881	8433239/8433240	8433235/8433236
Sample Date:	6/22/16	6/23/16	6/23/16	6/23/16	6/23/16	6/13/16	6/22/16	6/22/16	6/16/16	6/16/16
Sample Type:	PDN	PDN	PDN	PDN	PDN	N	PDN	PDN	N	N
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW271	AGW272	AGW273	AGW274	AGW275	AGW276-2	AGW276-5	AGW276-6	APP-057	IW34
Field Sample ID:	AGW271-20160616	AGW272-20160617	AGW273-20160617	AGW274-20160617	AGW275-20160617	AGW276-2-25-20160622	AGW276-5-60-20160622	AGW276-6-80-20160622	APP-057-20160615	AGW915-20160616
Zone:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Intermediate	Deep	Shallow	Shallow
Laboratory SDG:	1673586	1673581	1673581	1673581	1673581	1676412	1676412	1676412	1673247	1673586
Sample ID:	8433237/8433238	8433183/8433184	8433185/8433186	8433187/8433188	8433189/8433190	8447867	8447868	8447869	8431465	8433243/8433244
Sample Date:	6/16/16	6/17/16	6/17/16	6/17/16	6/17/16	6/22/16	6/22/16	6/22/16	6/15/16	6/16/16
Sample Type:	N	N	N	N	N	N	N	N	N	FD
Volatile Organic Compounds (µg/L; SW-846 8260C)										
Acetone	12	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	140 J
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Butanone/MEK	14	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	230
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	6.9	4.9	2.9	0.6	0.2 U	1.6	7.3	1.7	0.2 U	16
trans-1,2-Dichloroethene	0.7	0.6	0.5	0.3	0.2 U	0.2 U	0.6	0.2 U	0.2 U	2.4
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
Trichloroethene	0.3	0.3	0.2 U	0.2 U	0.2 U	0.4	0.2 U	3.9	0.2 U	5.9
Vinyl Chloride	2.0	2.0	3.9	4.6	0.2 U	1.0	0.8	0.2 U	0.2 U	1.0
m-&p-Xylenes	0.5 U	0.5 U	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
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)										
Vinyl Chloride	1.8	1.8	3.4	4.2	0.16	0.81	0.63	0.11	0.020 U	0.87 J
Conventional (mg/L)										
Nitrogen, Nitrate (as N)	--	--	--	--	--	--	--	--	--	--
Sulfate	1.0 U	1.4	1.0 U	1.0 U	1.0 U	--	--	--	--	1.3
Sulfide, Total	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	--	--	0.12
Total Organic Carbon	48.6	4.1	5.5	5.8	7.9	--	--	--	--	3,750
Natural Attenuation Parameters (µg/L; RSK-175)										
Methane	29,000	450	1,300	920	26,000	--	--	--	--	23,000 J
Ethane	2.6 U	1.0 U	1.0 U	1.0 U	4.5	--	--	--	--	2.2 J
Ethene	1.0 U	1.0 U	1.0 U	1.5	2.8	--	--	--	--	3.7 J
Dissolved Metals (mg/L; SW-846 6010)										
Arsenic	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	AGW271	AGW272	AGW273	AGW274	AGW275	AGW276-2	AGW276-5	AGW276-6	APP-057	IW34
Field Sample ID:	AGW271-20160616	AGW272-20160617	AGW273-20160617	AGW274-20160617	AGW275-20160617	AGW276-2-25-20160622	AGW276-5-60-20160622	AGW276-6-80-20160622	APP-057-20160615	AGW915-20160616
Zone:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Intermediate	Deep	Shallow	Shallow
Laboratory SDG:	1673586	1673581	1673581	1673581	1673581	1676412	1676412	1676412	1673247	1673586
Sample ID:	8433237/8433238	8433183/8433184	8433185/8433186	8433187/8433188	8433189/8433190	8447867	8447868	8447869	8431465	8433243/8433244
Sample Date:	6/16/16	6/17/16	6/17/16	6/17/16	6/17/16	6/22/16	6/22/16	6/22/16	6/15/16	6/16/16
Sample Type:	N	N	N	N	N	N	N	N	N	FD
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)										
Diesel Range Organics (C12-C24)	--	--	--	--	--	--	--	--	--	--
Oil Range Organics (C24-C40)	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--	--	--	--	--	--	--	--

Notes:

- = not analyzed
- Bold** = detected compound
- 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 and Acronyms:

- FD = field duplicate
- µg/L = microgram per liter
- mg/L = milligram per liter
- N = primary sample
- NWTPH = Northwest Total Petroleum Hydrocarbon
- PDN = passive diffusion primary sample
- PDFD = passive diffusion field duplicate
- SDG = sample delivery group
- SIM = selected ion monitoring

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	IW34	IW36	IW37
Field Sample ID:	IW34-20160616	IW36-20160616	IW37-20160617
Zone:	Shallow	Shallow	Shallow
Laboratory SDG:	1673586	1673589	1673581
Sample ID:	8433241/8433242	8433267/8433268	8433181/8433182
Sample Date:	6/16/16	6/16/16	6/17/16
Sample Type:	N	N	N
Volatile Organic Compounds (µg/L; SW-846 8260C)			
Acetone	110 J	5.0 U	86
Benzene	0.2 UJ	0.2 U	0.2 U
2-Butanone/MEK	190 J	5.0 U	180
1,1-Dichloroethane	0.5 UJ	0.5 U	0.5 U
1,2-Dichloroethane	0.4 J	0.2 U	0.2 U
1,1-Dichloroethene	0.2 UJ	0.2 U	0.2 U
cis-1,2-Dichloroethene	16 J	1.5	6.0
trans-1,2-Dichloroethene	2.2 J	0.4	0.3
Ethylbenzene	0.5 UJ	0.5 U	0.5 U
Tetrachloroethene	0.2 UJ	0.2 U	0.2 U
Toluene	0.2 J	1.2	0.2 U
Trichloroethene	5.4 J	0.2 U	0.3
Vinyl Chloride	0.9 J	4.5	0.4
m-&p-Xylenes	0.5 UJ	0.5 U	0.5 U
o-Xylene	0.5 UJ	0.5 U	0.5 U
Volatile Organic Compounds (µg/L; SW-846 8260C SIM)			
Vinyl Chloride	0.79 J	4.1	0.34 J
Conventional (mg/L)			
Nitrogen, Nitrate (as N)	--	--	--
Sulfate	1.9	1.0 U	1.0 U
Sulfide, Total	0.16	0.10 U	0.10 U
Total Organic Carbon	3,840	11.4	1,130
Natural Attenuation Parameters (µg/L; RSK-175)			
Methane	23,000 J	11,000	20,000
Ethane	2.2 J	1.9	1.6
Ethene	3.8 J	1.0 U	1.0 U
Dissolved Metals (mg/L; SW-846 6010)			
Arsenic	--	--	--
Cadmium	--	--	--
Nickel	--	--	--

Table 1-3
2Q 2016 Groundwater Analytical Results - Detections Only
Boeing Auburn Facility
Auburn, Washington

Sample Location:	IW34	IW36	IW37
Field Sample ID:	IW34-20160616	IW36-20160616	IW37-20160617
Zone:	Shallow	Shallow	Shallow
Laboratory SDG:	1673586	1673589	1673581
Sample ID:	8433241/8433242	8433267/8433268	8433181/8433182
Sample Date:	6/16/16	6/16/16	6/17/16
Sample Type:	N	N	N
Petroleum Hydrocarbons (mg/L; NWTPH-Dx/Gx)			
Diesel Range Organics (C12-C24)	--	--	--
Oil Range Organics (C24-C40)	--	--	--
Gasoline Range Organics (C7-C12)	--	--	--

Notes:

-- = not analyzed

Bold = detected compound

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 and Acronyms:

FD = field duplicate

µg/L = microgram per liter

mg/L = milligram per liter

N = primary sample

NWTPH = Northwest Total Petroleum Hydrocarbon

PDN = passive diffusion primary sample

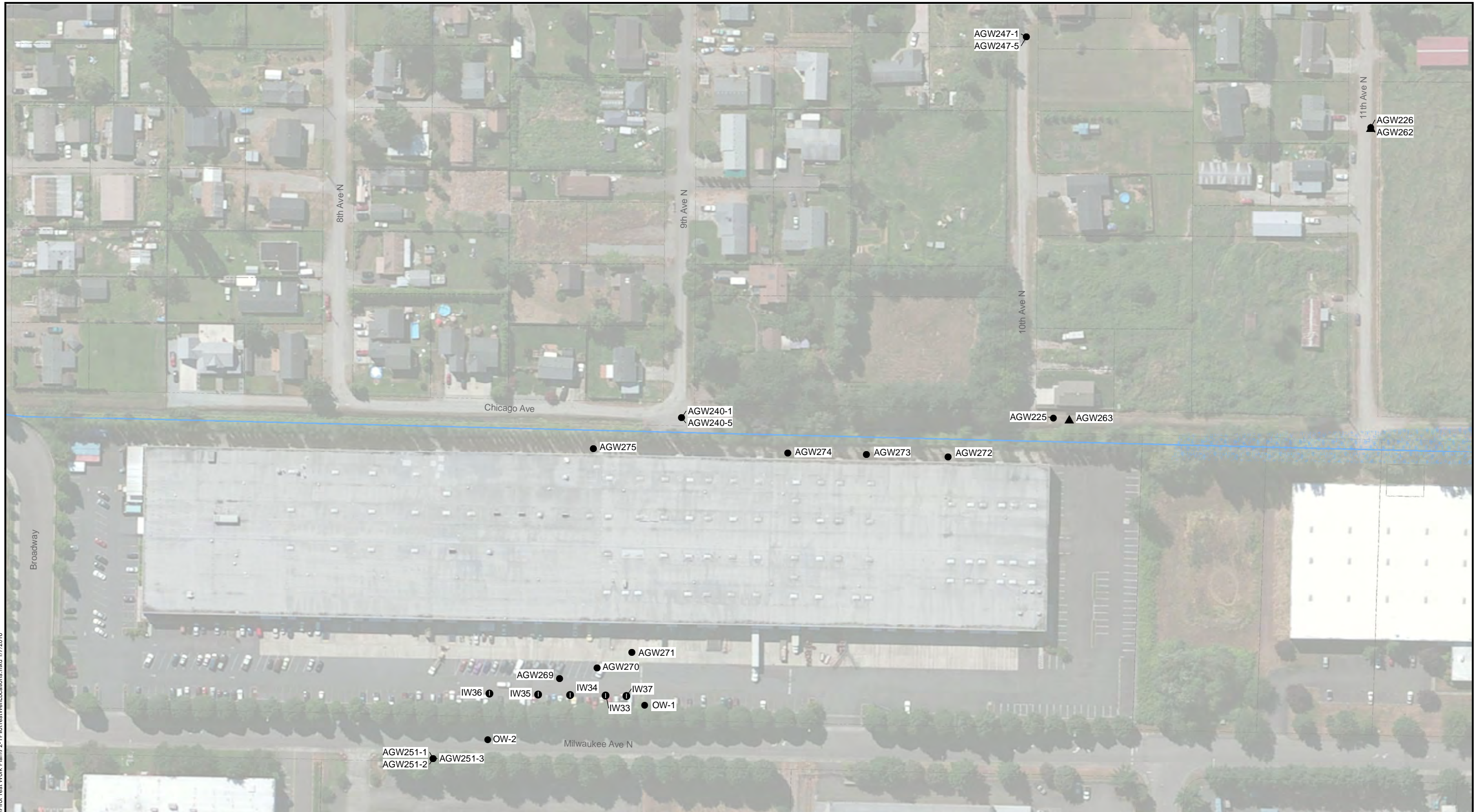
PDFD = passive diffusion field duplicate

SDG = sample delivery group

SIM = selected ion monitoring

ATTACHMENT 2

Pilot Test Results



Legend

- ▲ Offsite Water Table Well
- Shallow Monitoring Well
- Shallow Injection Well
- Waterways

Notes

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

0 120 240



Scale in Feet

Base map source: Geometrix 2003; Aerial Photo Source: Esri World Imagery; Parcel Data Source: King County GIS 2013



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

Well	Groundwater Zone	Date	Elapsed Time from Injection (days)	Volatile Organic Compounds									Aquifer Redox Conditions							Donor Indicators	Molar Fraction									
				PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (µg/L)	11DCE (µg/L)	VC (µg/L)	Ethene (µg/L)	Ethane (µg/L)	Acetylene (µg/L)	DO (mg/L)	ORP (mV)	Iron II (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Methane (µg/L)	Aquifer Redox State		TOC (mg/L)	PCE	TCE	Sum of cDCE, tDCE, 11DCE	VC	Ethene	Ethane	Ethene+ Ethane	Total	Max Fraction
AGW271	SZ	8/13/2015	-22	<0.020	<0.2	6.5	0.7	<0.2	4.6	<1.0	<1.0	<1.0	1.32	204.0	6.2	<1.0	<0.16	2300	M	6.8	0.00	0.00	0.50	0.50	0.00	0.00	0.00	1.00	0.50	
		12/7/2015	94	<0.020	1.2	15	1.8	<0.2	5.9	1.2	1.9	<1.0	0.33	22.2	7.0	<1.0	<0.16	19000	M	971	0.00	0.02	0.45	0.25	0.11	0.17	0.28	1.00	0.45	
		3/2/2016	180	<0.2	1.8	15	2.4	<0.2	2.8	1.5	3.0	<1.0	0.37	25.8	6.0	<10.0	<0.16	28000	M	1080	0.00	0.04	0.46	0.11	0.14	0.26	0.39	1.00	0.46	
		6/16/2016	286	<0.2	0.3	6.9	0.7	<0.2	2.0	<1.0	<2.6	<1.0	0.58	-35.8	3.0	<1.0	<0.10	29000	M	48.6	0.00	0.02	0.70	0.28	0.00	0.00	0.00	1.00	0.70	
AGW272	SZ	8/13/2015	-22	<0.020	0.2	7.3	0.6	<0.2	0.66	<1.0	<1.0	<1.0	0.49	-55.2	1.8	1.5	<0.16	400	Fe/S	5.4	0.00	0.02	0.87	0.11	0.00	0.00	0.00	1.00	0.87	
		12/7/2015	94	<0.02	0.2	6.4	0.7	<0.2	1.8	<1.0	<1.0	<1.0	1.36	-85.3	4.0	<1.0	<0.16	940	M	3.5	0.00	0.01	0.71	0.28	0.00	0.00	0.00	1.00	0.71	
		3/2/2016	180	<0.2	0.3	5.4	0.5	<0.2	1.2	<1.0	<1.0	<1.0	0.91	-71.43	1.0	1.1	<0.16	460	Fe/S	4.1	0.00	0.03	0.74	0.23	0.00	0.00	0.00	1.00	0.74	
		6/17/2016	287	<0.2	0.3	4.9	0.6	<0.2	2.0	<1.0	<1.0	<1.0	0.76	-29.8	2.5	1.4	<0.10	450	Fe/S	4.1	0.00	0.03	0.62	0.35	0.00	0.00	0.00	1.00	0.62	
AGW273	SZ	8/13/2015	-22	<0.020	<0.2	6.3	0.7	<0.2	4.2	<1.0	<1.0	<1.0	1.61	193.0	4.6	<1.0	<0.16	880	M	6.1	0.00	0.00	0.52	0.48	0.00	0.00	0.00	1.00	0.52	
		12/7/2015	94	<0.02	<0.2	3.4	0.6	<0.2	6.0	<1.0	<1.0	<1.0	1.52	-99.3	6.0	<1.0	<0.16	1500	M	6.0	0.00	0.00	0.30	0.70	0.00	0.00	0.00	1.00	0.70	
		3/2/2016	180	<0.2	<0.2	3.5	0.5	<0.2	3.9	<1.0	<1.0	<1.0	0.51	-54.3	1.2	<1.0	<0.16	1300	M	6.1	0.00	0.00	0.40	0.60	0.00	0.00	0.00	1.00	0.60	
		6/17/2016	287	<0.2	<0.2	2.9	5.0	<0.2	3.9	<1.0	<1.0	<1.0	0.71	24.1	2.0	<1.0	<0.10	1300	M	5.5	0.00	0.00	0.57	0.43	0.00	0.00	0.00	1.00	0.57	
AGW274	SZ	8/13/2015	-22	<0.020	<0.2	<0.2	<0.2	<0.2	4.0	2.3	<1.0	<1.0	0.54	-36.6	3.6	<1.0	<0.16	1900	M	7.5	0.00	0.00	0.00	0.44	0.56	0.00	0.56	1.00	0.56	
		12/7/2015	94	<0.02	<0.2	<0.2	<0.2	1.9	1.3	2.2	<1.0	2.07	-95.0	4.0	<1.0	<0.16	2700	M	8.1	0.00	0.00	0.00	0.20	0.31	0.49	0.80	1.00	0.80		
		3/2/2016	180	<0.2	<0.2	2.0	0.4	<0.2	5.5	<1.0	<1.0	<1.0	0.43	-48.9	2.0	<1.0	<0.16	920	M	7.0	0.00	0.00	0.22	0.78	0.00	0.00	0.00	1.00	0.78	
		6/17/2016	287	<0.2	<0.2	0.6	0.3	<0.2	4.6	1.5	<1.0	<1.0	0.47	-5.1	2.0	<1.0	<0.10	920	M	5.8	0.00	0.00	0.07	0.54	0.39	0.00	0.39	1.00	0.54	
AGW275	SZ	8/13/2015	-22	<0.020	<0.2	2.3	0.3	<0.2	7.7	<1.0	<1.0	<1.0	0.64	-47.6	3.0	1.0	<0.16	2000	M	7.6	0.00	0.00	0.18	0.82	0.00	0.00	0.00	1.00	0.82	
		12/7/2015	94	<0.02	<0.2	2.5	0.3	<0.2	7.7	<1.0	<1.0	<1.0	1.02	-100.3	4.5	<1.0	<0.16	2100	M	6.9	0.00	0.00	0.19	0.81	0.00	0.00	0.00	1.00	0.81	
		3/2/2016	180	<0.2	<0.2	0.6	<0.2	<0.2	7.7	2.2	1.6	<1.0	0.35	-48.5	2.2	<1.0	<0.16	14000	M	79.7	0.00	0.00	0.02	0.47	0.30	0.20	0.50	1.00	0.50	
		6/17/2016	287	<0.2	<0.2	<0.2	<0.2	<0.2	0.16	2.8	4.5	<1.0	0.44	0.07	3.5	<1.0	<0.10	26000	M	7.9	0.00	0.00	0.00	0.01	0.40	0.59	0.99	1.00	0.99	
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	<0.16	940	M	7.4	0.00	0.00	0.61	0.39	0.00	0.00	0.00	1.00	0.61		
IW34	SZ	8/17/2015	-18	<0.020	0.2	7.6	0.8	<0.2	4.9	<1.0	<1.0	<1.0	0.57	-60.2	4.0	<1.0	<0.16	1900	M	6.9	0.00	0.01	0.52	0.47	0.00	0.00	0.00	1.00	0.52	
		12/7/2015	94	<0.10	1.6	8.5	1.2	<0.2	1.1	2.9	1.7	<1.0	1.79	-24.7	9.5	22.5	<0.16	7900	M	6010	0.00	0.04	0.35	0.06	0.36	0.20	0.55	1.00	0.55	
		3/2/2016	180	<0.2	5.3	16	2.5	<0.2	1.1	3	2.7	<1.0	0.39	44.1	7.0	<10.0	<0.16	15000	M	6450	0.00	0.09	0.43	0.04	0.24	0.20	0.44	1.00	0.44	
		6/16/2016	286	<0.2	5.4	16	2.2	<0.2	0.9	3.8	2.2	<1.0	1.07	116	3.0	1.9	0.16	23000	M	3840	0.00	0.09	0.42	0.03	0.30	0.16	0.46	1.00	0.46	
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	<0.16	1800	M	7.2	0.00	0.00	0.40	0.60	0.00	0.00	0.00	1.00	0.60		
IW36	SZ	8/17/2015	-18	<0.020	0.2	3.3	0.7	<0.2	6.0	<1.0	<1.0	<1.0	0.58	-29.5	2.8	<1.0	<0.16	1700	M	7.6	0.00	0.01	0.30	0.69	0.00	0.00	0.00	1.00	0.69	
		12/7/2015	94	<0.02	<1.0	1.6	<1.0	<1.0	3.8	<1.0	1.4	<1.0	1.77	-100.2	6.0	<1.0	<0.16	17000	M	63.7	0.00	0.00	0.13	0.49	0.00	0.38	0.38	1.00	0.49	
		3/2/2016	180	<0.2	<0.2	1.5	0.4	<0.2	5.7	<1.0	2.0	<1.0	0.32	-47.58	1.5	<1.0	<0.16	14000	M	17.9	0.00	0.00	0.11	0.51	0.00	0.38	0.38	1.00	0.51	
		6/16/2016	286	<0.2	<0.2	1.5	0.4	<0.2	4.5	<1.0	1.9	<1.0	0.36	-7.85	1.0	<1.0	<0.10	11000	M	11.4	0.00	0.00	0.13	0.47	0.00	0.41	0.41	1.00	0.47	
IW37	SZ	8/13/2015	-22	<0.020	<0.2	5.3	0.5	<0.2	4.9	<1.0	<1.0	<1.0	0.56	-45.0	2.0	<1.0	<0.16	1800	M	6.6	0.00	0.00	0.43	0.57	0.00	0.00	0.00	1.00	0.57	
		12/7/2015	94	0.16	1.3	13	2.0	<0.2	1.5	5.8	3.1	<1.0	1.40	-24.2	9.0	6.6	<0.16	3800	M	4780	0.00	0.02	0.31	0.05	0.41	0.21	0.62	1.00	0.62	
		3/2/2016	180	<0.2	0.8	7.7	1.0	<0.2	1.2	1.8	2.2	<1.0	0.47	35.1	5.0	<10.0	<0.16	23000	M	2480	0.00	0.02	0.36	0.08	0.25	0.29	0.54	1.00	0.54	
		6/17/2016	287	<0.2	0.3	6.0	0.3	<0.2	0.4	<1.0	1.6	<1.0	0.91	-81.5	2.5	<1.0	<0.10	20000	M	1130	0.00	0.02	0.51	0.05	0.00	0.42	0.42	1.00	0.51	

Abbreviations and Acronyms

11DCE = 1,1-dichloroethene
cDCE = cis-1,2-dichloroethene
DO = Dissolved Oxygen
DZ = Deep Zone

Fe = Iron-reducing
IZ = Intermediate Zone
ORP = oxidation/reduction potential
PCE = tetrachloroethene

M = Methanogenic
SZ = Shallow Zone
S = Sulfate-reducing
tDCE = trans-1,2-dichloroethene

TOC = Total Organic Carbon
TCE = Trichloroethene
VC = Vinyl Chloride
WT = Water Table

Notes

Electron donor injection performed August 18 through September 4, 2015
Blue shading indicates the compound with highest molar fraction per event
Water table is a subset of the shallow zone