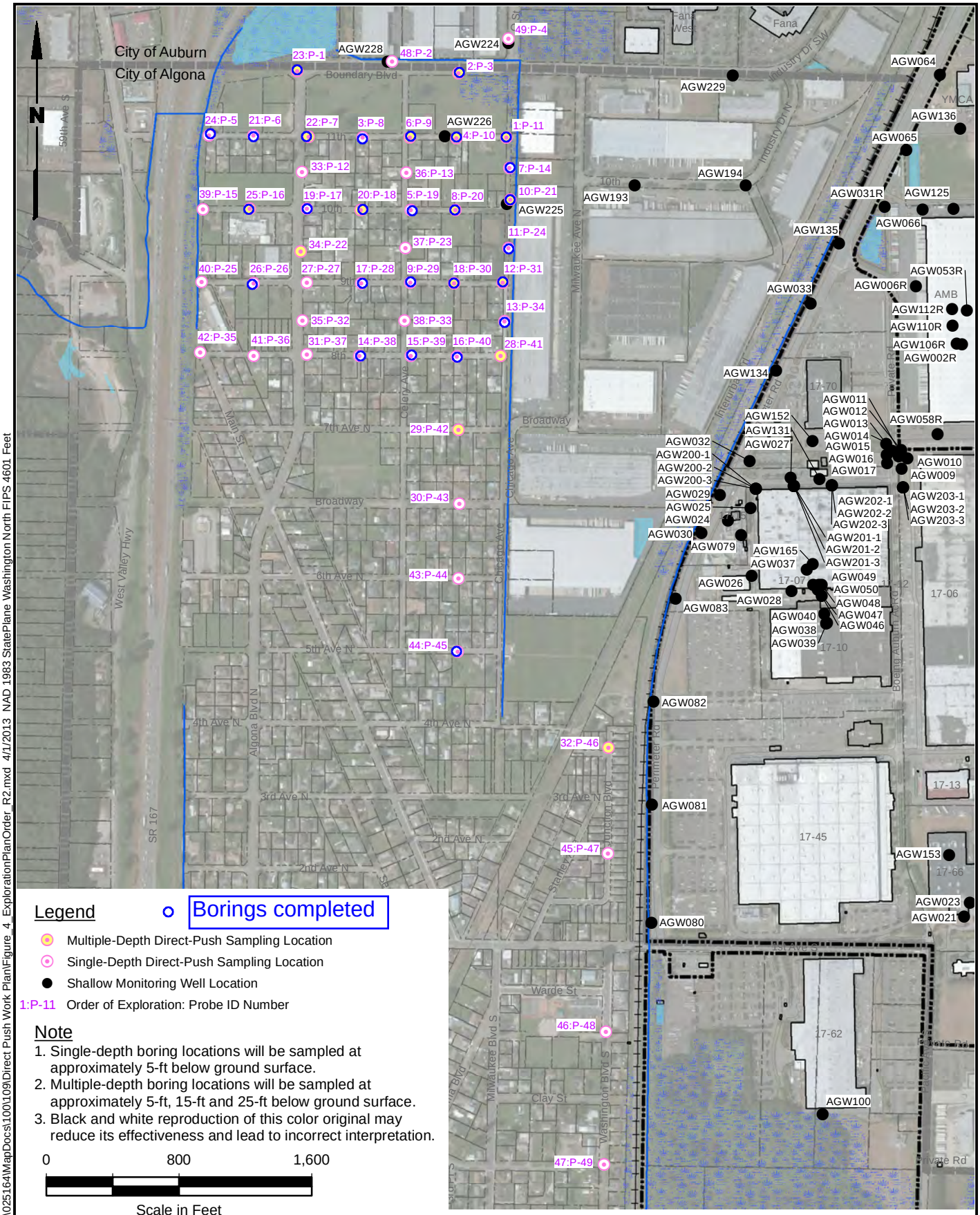

Legend

Borings completed

- Multiple-Depth Direct-Push Sampling Location
- Single-Depth Direct-Push Sampling Location
- Shallow Monitoring Well Location

1:P-11 Order of Exploration: Probe ID Number

Note

1. Single-depth boring locations will be sampled at approximately 5-ft below ground surface.
2. Multiple-depth boring locations will be sampled at approximately 5-ft, 15-ft and 25-ft below ground surface.
3. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

0 800 1,600

Scale in Feet

Base map source: Geometrix 2003; Aerial Photo Source: Bing Maps 2010; Parcel Data Source: King County GIS 2010

Y:\Projects\025164\MapDocs\100\109\Direct Push Work Plan\Figure_4_ExplorationPlanOrder_R2.mxd 4/1/2013 NAD 1983 StatePlane Washington North FIPS 4601 Feet

LANDAU ASSOCIATES

Boeing Auburn
Auburn, Washington

Borings Completed as of 4/22/13

Figure
4

TABLE 1
ALGONA GEOPROBE INVESTIGATION
DRAFT BOREHOLE GROUNDWATER ANALYTICAL RESULTS
BOEING AUBURN

Boring:	P-3	P-3	P-3	P-3	P-8	P-9
Location:	ASB0182-9	ASB0182-9b	ASB0182-15	ASB0182-25	ASB0183-5	ASB0186-5
Depth (ft):	9	9	15	25	5	5
QA Completed?:	Y	Y	Y	Y	Y	Y
	4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/8/2013
VOLATILES (µg/L)						
Method SW8260C						
Acetone	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ	25 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
2-Butanone	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ	25 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	**1.4**	**1.2**	**3.4**	**2.6**	1.0 U	1.0 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	**0.4**	**0.2**	1.0 U	1.0 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
2-Hexanone	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ	25 U
4-Methyl-2-Pentanone (MIBK)	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ	25 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Trichloroethene	**2.4**	**1.8**	**12**	**7.6**	1.0 U	1.0 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
Vinyl Chloride	**2.1**	**2.1**	**0.3**	0.2 U	1.0 U	1.0 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
VOLATILES (µg/L)						
Method 8260C SIM						
Trichloroethene	**1.3**	**1.4**	**9.0**	**6.2**	0.10 U	0.10 U
Vinyl Chloride	**1.8**	**1.7**	**0.27**	**0.16**	0.10 U	**0.12**
VOLATILES (µg/L)						
Method 8260C SIM						
with anti-foaming agent						
Trichloroethene					0.020 U	**0.022**
Vinyl Chloride					0.020 U	**0.16**

TABLE 1
ALGONA GEOPROBE INVESTIGATION
DRAFT BOREHOLE GROUNDWATER ANALYTICAL RESULTS
BOEING AUBURN

Boring:	P-9	P-9	P-10	P-10	P-10	P-10	P-11
Location:	ASB0186-15	ASB0186-25	ASB0184-5	ASB0184-5b	ASB0184-15	ASB0184-25	ASB0181-5
Depth (ft):	15	25	5	5	15	25	5
QA Completed?:	Y	Y	Y	Y	Y	Y	Y
	4/8/2013	4/8/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/3/2013
VOLATILES (µg/L)							
Method SW8260C							
Acetone	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	25 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
2-Butanone	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	25 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
1,2-Dichloroethane	0.2 U	**0.4**	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
cis-1,2-Dichloroethene	**3.3**	**4.8**	**0.5**	**0.5**	**3.4**	**2.9**	1.0 U
trans-1,2-Dichloroethene	**0.4**	**0.5**	0.2 U	0.2 U	**0.4**	**0.3**	1.0 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
2-Hexanone	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	25 U
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	25 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 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	2.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Trichloroethene	**3.2**	0.2 U	**0.2**	**0.2**	**6.9**	**6.6**	1.0 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
Vinyl Chloride	**0.6**	**0.9**	**1.3**	**1.3**	**0.5**	**0.3**	1.0 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
VOLATILES (µg/L)							
Method 8260C SIM							
Trichloroethene	**2.5**	**0.039**	**0.15**	**0.18**	**5.6**	**5.6**	**0.13**
Vinyl Chloride	**0.53**	**0.93**	**1.1**	**1.3**	**0.42**	**0.27**	**0.22**
VOLATILES (µg/L)							
Method 8260C SIM							
with anti-foaming agent							
Trichloroethene							
Vinyl Chloride							

TABLE 1
ALGONA GEOPROBE INVESTIGATION
DRAFT BOREHOLE GROUNDWATER ANALYTICAL RESULTS
BOEING AUBURN

Boring:	P-11	P-11	P-11	P-14	P-14	P-14	P-19
Location:	ASB0181-5b	ASB0181-15	ASB0181-25	ASB0187-5	ASB0187-5r	ASB0187-5b	ASB0185-5
Depth (ft):	5	15	25	5	5	5	5
QA Completed?:	Y	Y	Y	Y	Y	Y	Y
	4/3/2013	4/3/2013	4/3/2013	04/08/2013	04/08/2013	04/08/2013	4/5/2013
VOLATILES (µg/L)							
Method SW8260C							
Acetone	25 U	5.0 U	5.0 U	5.0 U	**8.8**	5.0 U	5.0 UJ
Benzene	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ
Carbon Disulfide	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	1.0 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 U	**2.2**	**2.4**	0.2 U	0.2 U	0.2 U	**0.9**
trans-1,2-Dichloroethene	1.0 U	**0.3**	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ
4-Methyl-2-Pentanone (MIBK)	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ
Methylene Chloride	2.5 U	0.5 U	0.5 U	0.5 U	**17**	0.5 U	0.5 U
Styrene	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	1.0 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	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.0 U	**3.5**	**5.6**	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	1.0 U	**2.8**	**0.3**	0.2 U	0.2 U	0.2 U	**1.1**
m,p-Xylene	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VOLATILES (µg/L)							
Method 8260C SIM							
Trichloroethene	**0.20**	**2.7**	**4.3**	**0.025**	0.020 U	**0.024**	0.020 U
Vinyl Chloride	**0.32**	**2.4**	**0.22**	0.020 U	0.020 U	0.020 U	**0.98**
VOLATILES (µg/L)							
Method 8260C SIM							
with anti-foaming agent							
Trichloroethene							
Vinyl Chloride							

TABLE 1
ALGONA GEOPROBE INVESTIGATION
DRAFT BOREHOLE GROUNDWATER ANALYTICAL RESULTS
BOEING AUBURN

Boring:	P-20	P-20	P-20	P-20	P-20	P-21
				Dup of ASB0188-15		
Location:	ASB0188-5	ASB0188-5b	ASB0188-15	ASB9188-15	ASB0188-25	ASB0192-5
Depth (ft):	5	5	15	15	25	5
QA Completed?:	Y	Y	Y	Y	Y	Y
	4/9/2013	4/9/2013	4/9/2013	4/9/2013	4/9/2013	4/11/2013
VOLATILES (µg/L)						
Method SW8260C						
Acetone	25 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	25 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	1.0 U	1.0 U	**0.2**	**0.2**	**0.2**	0.2 U
1,1-Dichloroethene	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	1.0 U	1.0 U	**8.4**	**8.0**	**8.2**	**6.4**
trans-1,2-Dichloroethene	1.0 U	1.0 U	**1.1**	**1.0**	**1.1**	**0.4**
1,2-Dichloropropane	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	25 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-Pentanone (MIBK)	25 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.0 U	1.0 U	0.2 U	0.2 U	**0.3**	**0.5**
Trichlorofluoromethane	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	1.0 U	1.0 U	**0.7**	**0.7**	**0.9**	0.2 U
m,p-Xylene	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VOLATILES (µg/L)						
Method 8260C SIM						
Trichloroethene	0.20 U	0.10 U	**0.13**	**0.13**	**0.26**	**0.38**
Vinyl Chloride	0.20 U	0.10 U	**0.66**	**0.61**	**0.82**	**0.16**
VOLATILES (µg/L)						
Method 8260C SIM						
with anti-foaming agent						
Trichloroethene	0.020 U					
Vinyl Chloride	0.020 U					

TABLE 1
ALGONA GEOPROBE INVESTIGATION
DRAFT BOREHOLE GROUNDWATER ANALYTICAL RESULTS
BOEING AUBURN

Boring:	P-21	P-21	P-21	P-24	P-24 Dup of ASB0193-5	P-28
Location:	ASB0192-5b	ASB0192-15	ASB0192-25	ASB0193-5	ASB9193-5	ASB0197-8
Depth (ft):	5	15	25	5	5	8
QA Completed?:	Y	Y	Y	Y	Y	Y
	4/11/2013	4/11/2013	4/11/2013	4/11/2013	4/11/2013	4/15/2013
VOLATILES (µg/L)						
Method SW8260C						
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
cis-1,2-Dichloroethene	**7.0**	**7.1**	**5.9**	**0.7**	**0.7**	0.4 U
trans-1,2-Dichloroethene	**0.4**	**0.7**	**0.6**	0.2 U	0.2 U	0.4 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
2-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
Trichloroethene	**0.5**	**1.8**	**2.4**	0.2 U	0.2 U	0.4 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
Vinyl Chloride	0.2 U	**0.6**	**0.5**	0.2 U	0.2 U	0.4 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
VOLATILES (µg/L)						
Method 8260C SIM						
Trichloroethene	**0.39**	**1.5**	**1.9**	0.020 U	0.020 U	0.020 U
Vinyl Chloride	**0.17**	**0.48**	**0.43**	**0.11**	**0.11**	0.020 U
VOLATILES (µg/L)						
Method 8260C SIM						
with anti-foaming agent						
Trichloroethene						
Vinyl Chloride						

TABLE 1
ALGONA GEOPROBE INVESTIGATION
DRAFT BOREHOLE GROUNDWATER ANALYTICAL RESULTS
BOEING AUBURN

Boring:	P-29	P-30	P-30	P-30	P-31	P-31
Location:	ASB0189-5	ASB0198-5	ASB0198-15	ASB0198-25	ASB0190-10	ASB0190-10b
Depth (ft):	5	5	15	25	10	10
QA Completed?:	Y	Y	Y	Y	Y	Y
	4/9/2013	4/15/2013	4/15/2013	4/15/2013	4/10/2013	4/10/2013
VOLATILES (µg/L)						
Method SW8260C						
Acetone	25 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	1.0 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	2.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	2.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	2.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	25 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	2.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	1.0 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	2.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	2.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	1.0 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	2.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	2.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	2.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	1.0 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	1.0 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	1.0 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	1.0 U	0.4 U	0.2 U	0.2 U	**0.2**	**0.3**
1,2-Dichloropropane	2.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	1.0 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	1.0 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	2.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	25 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-Pentanone (MIBK)	25 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	2.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	2.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	1.0 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	1.0 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	1.0 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	2.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	2.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1.0 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.0 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	2.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	2.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	1.0 U	0.4 U	0.2 U	0.2 U	**0.4**	**1.6**
m,p-Xylene	2.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	2.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
VOLATILES (µg/L)						
Method 8260C SIM						
Trichloroethene	0.10 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Vinyl Chloride	0.10 U	0.020 U	0.020 U	0.020 U	**0.36**	**1.3**
VOLATILES (µg/L)						
Method 8260C SIM						
with anti-foaming agent						
Trichloroethene	0.020 U					
Vinyl Chloride	0.020 U					

TABLE 1
ALGONA GEOPROBE INVESTIGATION
DRAFT BOREHOLE GROUNDWATER ANALYTICAL RESULTS
BOEING AUBURN

Boring:	P-31	P-31	P-34	P-38	P-39	P-40	P-40
Location:	ASB0190-15	ASB0190-25	ASB0191-5	ASB0194-5	ASB0195-5	ASB0196-5	ASB0196-5b
Depth (ft):	15	25	5	5	5	5	5
QA Completed?:	Y	Y	Y	Y	Y	Y	Y
	4/10/2013	4/10/2013	4/10/2013	4/12/2013	4/12/2013	4/13/2012	4/12/2013
VOLATILES (µg/L)							
Method SW8260C							
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	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
Bromoform	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
2-Butanone	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
Carbon Tetrachloride	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
Chloroethane	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
Chloromethane	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
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	**0.9**	**4.3**	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	**0.5**	**0.9**	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
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
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
Ethylbenzene	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
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	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
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
Tetrachloroethene	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
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
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
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
Trichloroethene	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
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	**3.8**	**3.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VOLATILES (µg/L)							
Method 8260C SIM							
Trichloroethene	**0.031**	**0.049**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Vinyl Chloride	**3.4**	**2.6**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
VOLATILES (µg/L)							
Method 8260C SIM							
with anti-foaming agent							
Trichloroethene							
Vinyl Chloride							

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