August 7, 2015

Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98008

Attn: Neal Hines

RE: COMMERCIAL VAPOR INTRUSION ASSESSMENT DATA SUBMITTAL
TIER I SOIL GAS AND GROUNDWATER RESAMPLING – JUNE 2015
AUBURN AND ALGONA, WASHINGTON

Dear Mr. Hines:

Based on the results from the initial Tier I commercial vapor intrusion assessment completed in commercial Auburn and Algona in March and April 2015, The Boeing Company (Boeing) repeated Tier I soil gas and groundwater sampling at three locations where results indicated the intrusion of ambient air into the soil gas samples. The results from the initial sampling event and an initial resampling event at one location (ASB0251R/ASG0251R) were presented to Washington State Department of Ecology (Ecology) in a data submittal on May 21, 2015 (Landau Associates 2015a). The initial results and proposal to resample three locations were discussed with Ecology in a phone call on May 21, 2015. Repeat sampling activities followed the procedures used in the initial sampling event with the exception of a partially revised soil gas sample collection method designed to reduce the chance of ambient air intrusion. Soil gas samples were collected using the vapor implant method in place of the post-run tubing (PRT) method described in the documents above. The use of the vapor method as an alternate to the PRT method was presented to Ecology in an email on June 23, 2015 (Landau Associates 2015b).

Repeat Tier I sampling was completed at two locations on W.P. Glimcher property and at one location on Algona right-of-way (ROW) on June 25 and 26, 2015. The repeat sampling consisted of advancement of temporary borings and collection of shallow groundwater (ASB0251R2, ASB0256R, and ASB0261R) and soil gas samples (ASG0251R2, ASG0256R, and ASG0261R) at previously sampled locations ASB0251R/ASG0251R, ASB0256/ASG0256, and ASB0261/ASG0261. The repeat sampling locations along with the initial sampling locations in commercial Auburn and Algona are shown on Figure 1. The soil gas and groundwater results from both the initial and repeat sampling events are provided on

Table 1. A DVD with the laboratory data packages for the repeat sampling event analytical results is included with the paper copy of this letter.

A draft report summarizing the findings of the Tier I commercial vapor intrusion assessment will be submitted to Ecology for review in accordance with the schedule outlined in the work plan. If you have any questions about the information contained in this letter, please contact Jennifer Wynkoop at (253) 284-4879 or Jim Bet at (206) 679-0433.

LANDAU ASSOCIATES, INC.

Sarah Fees

Sarah Fees, L.G.
Project Hydrogeologist

Jennifer Wynkoop
Senior Associate Scientist

SEF/JWW/jrc

REFERENCES

Landau Associates. 2015a. Letter: *Commercial Vapor Intrusion Data Submittal – March and April 2015*. From Sarah Fees and Jennifer Wynkoop, Landau Associates, to Neal Hines, Washington State Department of Ecology. May 21.

Landau Associates. 2015b. Email message from Jennifer Wynkoop, Landau Associates, to Neal Hines, Washington State Department of Ecology. Re: *Vapor Implants*. June 23.

Attachments: Figure 1: Tier I Commercial Vapor Intrusion Assessment
Table 1: Soil Gas and Groundwater Analytical Data
DVD: Laboratory Data Packages

cc: Jim Bet, The Boeing Company (email only)
Jim Swortz, The Boeing Company
Robin Harrover, Washington State Department of Ecology (email only)

G:\Projects\025\164\120\105\Tier 1 Commercial VI Report\F01Tier1CommercialVIAssessment.mxd 8/7/2015 NAD 1983 StatePlane Washington North FIPS 4601 Feet

N

The Outlet Collection

Coastal Farm and Ranch

ASB0257 ASG0257

AGW236-14

ASB0256R ASG0256R

ASB0256 ASG0256

ASB0255 ASG0255

AGW207-1

ASB0258 ASG0258

ASB0259 ASG0259

AGW208-1

ASB0260 ASG0260

ASB0261R ASG0261R

ASB0261 ASG0261

AGW209-1

ASB0262 ASG0262

ASB0263 ASG0263

AGW210-1

ASB0248 ASG0248

ASB0246 ASG0246

ASB0247 ASG0247

ASB0245 ASG0245

ASB0244 ASG0244

ASB0252 ASG0252

ASB0253 ASG0253

ASB0249 ASG0249

AGW177-29

AGW179-30

Fana West

Fana

Boundary Rd SW

ASB0234-25

11th Ave N

ASB0233-9

Milwaukee Ave N

Industry Dr N

ASB0243-14

AGW193

10th Ave N

AGW194

ASB0232-7

ASB0242-12

ASB0254 ASG0254

9th Ave N

ASB0251R ASG0251R

ASB0251R2 ASG0251R2

ASB0251 ASG0251

AGW251-1

ASB0250 ASG0250

Interurban Trail

ASB0240-10

Perimeter Rd

Chicago Ave

8th Ave N

ASB0239-9

ASB0231-6

ASB0230-7

Notes

1. Commercial Groundwater Screening Levels (SL) Protective of Indoor Air:
   Trichloroethene (TCE) = 7.9
   Vinyl Chloride (VC) = 1.0
2. A shallow groundwater sample (e.g. ASB0248) and a soil gas sample (e.g. ASG0248) were collected at each new direct-push location.
3. Multilevel wells have multiple channels. Channel designations are included in the well ID (e.g., AGW207-1). Channel 1 is the shallowest screen.
4. Borehole sample designations include the location name (e.g., ASB0208-1) followed by the depth (feet, below ground surface) at which the sample was collected (e.g., 9).
5. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Base Map Source: Geometrix 2003; Aerial Photo Source: Esri World Imagery.

Legend

- Tier I Direct-Push Location
- Shallow Well
- Borehole Grab Sample
- TCE and/or VC Exceed SL
- TCE and/or VC Detected (Neither Exceed SL)
- TCE and VC Not Detected
- Additional Tier I Assessment Area
- Additional Tier II Assessment Area
- Commercial Building Where Vapor Intrusion Assessments Have Been Conducted

0 300 600

Scale in Feet

LANDAU ASSOCIATES

Boeing Auburn
Auburn, Washington

Tier I Commercial Vapor Intrusion Assessment

Figure 1

TABLE 1
SOIL GAS AND GROUNDWATER ANALYTICAL DATA
TIER I COMMERCIAL VAPOR INTRUSION SAMPLING
BOEING AUBURN

	ASG0244 MC032415-11 E503128-05 3/16/2015	ASG0245 MC032415-11 E503128-07 3/16/2015	ASG0246 MC032415-11 E503128-06 3/16/2015	ASG0247 MC032415-11 E503128-01 3/17/2015	ASG0248 MC032415-11 E503128-02 3/17/2015	ASG0249 MC032415-11 E503128-03 3/17/2015	ASG0250 MC032415-11 E503128-04 3/17/2015	ASG0251 MC032415-11 E503128-08 3/18/2015	ASG0251R MC050415-12 E505009-01 4/26/2015	ASG0251R2 MC070115-14 E507007-02 6/25/2015	ASG0252 MC032415-11 E503128-11 3/18/2015	ASG0253 MC032415-11 E503128-09 3/18/2015	ASG0254 MC032415-11 E503128-10 3/18/2015	ASG0255 MC050415-12 E505009-05 4/26/2015	ASG0256 MC050415-12 E505009-02 4/27/2015	ASG0256R MC070115-14 E507007-01 6/25/2015	ASG0257 MC050415-12 E505009-09 4/27/2015	ASG0258 MC050415-12 E505009-08 4/27/2015
VOLATILES (µg/m3)																		
Method EPA TO-15																		
cis-1,2-Dichloroethene	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	**11**	4.0 U	**5.1**	4.0 U	4.0 U	4.0 U
Trichloroethene	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	**5.6**	5.5 U	5.5 U	5.5 U
Vinyl chloride	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	**30**
VOLATILES (ppbv)																		
Method EPA TO-15																		
cis-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**2.8**	1.0 U	**1.3**	1.0 U	1.0 U	1.0 U
Trichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**1.0**	1.0 U	1.0 U	1.0 U
Vinyl chloride	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**11**
HELIUM (%)																		
Method ASTM D1945M	0.10 U	0.10 U	**0.29**	0.10 U	0.10 U	0.10 U	0.10 U	**24.2**	**15.1**	0.10 U	0.10 U	**0.77**	0.10 U	0.10 U	**32.1**	0.10 U	0.10 U	0.10 U

	ASB0244-9 1546966 7814338 3/16/2015	ASB0245-10 1546966 7814340 3/16/2015	ASB0246-10 1546966 7814341 3/16/2015	ASB0247-7 1546966 7814346 3/17/2015	ASB0248-7 1546966 7814345 3/17/2015	ASB0249-7 1546966 7814344 3/17/2015	ASB0250-7 1546966 7814343 3/17/2015	ASB0251-7 1546966 7814349 3/18/2015	ASB0251R-8 1557551 7868473 4/26/2015	ASB0251R2-8 1572790 7947119 6/25/2015	ASB0252-8 1546966 7814348 3/18/2015	ASB0253-8 1546966 7814347 3/18/2015	ASB0254-8 1546966 7814342 3/18/2015	ASB0255-10 1557551 7868474 4/26/2015	ASB0256-12 1557551 7868475 4/27/2015	ASB0256R-15 1572790 7947121 6/26/2015	ASB0257-15 1557551 7868476 4/27/2015	ASB0258-10 1557551 7868478 4/28/2015
VOLATILES (µg/L)																		
Method SW8260C																		
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	**8.7**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**10**	5.0 U	**28**	**15**	5.0 U	**5.1**	5.0 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	**0.3**	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**6.8**	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	**1.4**	**1.7**	**1.6**	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**
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	**0.3**	**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
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	**0.2**	**0.2**	0.2 U	0.2 U	**0.5**	**0.3**	0.2 U	0.2 U	0.2 U	**0.3**	**0.3**	**0.4**	0.2 U	**0.4**	**0.3**	**0.3**	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroetha	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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**	**0.4**	**0.6**	**1.5**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**2.4**
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VOLATILES (µg/L)																		
Method 8260C SIM																		
Vinyl Chloride	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.22**	**0.32**	**0.72**	**1.5**	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	**0.063**	0.020 U	**2.8**

TABLE 1
SOIL GAS AND GROUNDWATER ANALYTICAL DATA
TIER I COMMERCIAL VAPOR INTRUSION SAMPLING
BOEING AUBURN

	ASG0259 MC050415-12 E505009-03 4/28/2015	ASG0260 MC050415-12 E505009-06 4/28/2015	ASG0261 MC050415-12 E505009-10 4/28/2015	ASG0261R MC070115-14 E507007-03 6/26/2015	ASG0262 MC050415-12 E505009-07 4/29/2015	ASG0263 MC050415-12 E505009-04 4/29/2015
VOLATILES (µg/m3)						
Method EPA TO-15						
cis-1,2-Dichloroethene	**30**	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Trichloroethene	**13**	5.5 U	**8.2**	5.5 U	5.5 U	5.5 U
Vinyl chloride	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
VOLATILES (ppbv)						
Method EPA TO-15						
cis-1,2-Dichloroethene	**7.5**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	**2.3**	1.0 U	**1.5**	1.0 U	1.0 U	1.0 U
Vinyl chloride	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
HELIUM (%)						
Method ASTM D1945M	0.10 U	0.10 U	**25.7**	**0.57**	0.10 U	0.10 U

	ASB0259-10 1557551 7868479 4/28/2015	ASB0260-8 1557551 7868480 4/28/2015	ASB0261-10 1557551 7868481 4/28/2015	ASB0261R-12 1572790 7947120 6/26/2015	ASB0262-10 1557551 7868482 4/29/2015	ASB0263-10 1557551 7868483 4/29/2015
VOLATILES (µg/L)						
Method SW8260C						
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
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	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	**0.4**	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
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 (MIBK)	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	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	**0.4**	**1.7**	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroetha	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	0.2 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
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	**0.4**	0.2 U
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VOLATILES (µg/L)						
Method 8260C SIM						
Vinyl Chloride	**0.13**	0.020 U	**0.024**	0.020 U	**0.43**	0.020 U

U = Indicates the compound was not detected at the reported concentration.
Bold = Detected compound.