



Infrastructure, environment, facilities

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Transmittal Letter

To:
Peter S. Ouderkirk, P.E.
Project Manager
New York State Department of Environmental Conservation
Dulles State Office Building
317 Washington Street
Watertown, NY 13601-3787

Copies:
Greg Rys, NYSDOH
Chris Motta, ARCADIS
Tom Blackman, LMC
MariKay Fish, AIGDC

ENVIRONMENT

From:
Jeffrey Bonsteel

Date:
28 February 2008

Subject:
GE West Lot Site, Utica, New York
(Site No. 6-33-036)

ARCADIS Project No.:
AY000265.0016

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Comments:

Horizontal lines for entering comments.

Imagine the result

FEB 20 2008

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Peter S. Ouder Kirk, P.E.
Project Manager
New York State Department of Environmental Conservation
Dulles State Office Building
317 Washington Street
Watertown, NY 13601-3787

ENVIRONMENT

Subject:
Vapor Intrusion Study, GE West Lot Site, Utica, New York
(Site No. 6-33-036)

Date:
28 February 2008

Dear Mr. Ouder Kirk:

Contact:
Jeffrey Bonsteel

On behalf of Lockheed Martin Corporation (Lockheed Martin), ARCADIS conducted a vapor intrusion study in response to the 1 May 2006 comment letter from NYSDEC to Lockheed Martin regarding the *Vapor Intrusion Pathway Evaluation* (ARCADIS 2006a). Through subsequent conversations with NYSDEC and NYSDOH, including an on-site meeting on 7 August 2006, a consensus was reached on the scope of work to investigate the potential off-site migration of soil gas from the GE West Lot Site. This scope of work was presented in the *Work Plan for Vapor Intrusion Study* (ARCADIS 2006b). The scope of work and results of the vapor intrusion study are presented in this report.

Phone:
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On 16 March 2007, four soil gas samples were collected from three locations on the New York State Department of Transportation (DOT) property adjacent to the West Lot Site located in Utica, New York (the Site). The results were compared to the soil gas results for five samples collected from four locations at the Site on 23 January 2007. The sample locations are shown on Figure 1. A summary of the results for the Site and the DOT property is provided in Tables 1 and 2, respectively. A comparison of the frequency of detection and range of concentrations is provided in Table 3.

Our reference:
AY000265.0016

The purpose of the sampling was to determine if conditions on the West Lot Site were impacting soil gas and potentially causing vapor intrusion issues on the DOT property. The results indicate that there is a source of impacts to soil gas that appears to be located on the DOT property, not related to the West Lot Site, and that conditions on the West Lot site are not impacting the DOT property. In addition, the results indicate that further investigation of the vapor intrusion pathway associated with conditions at the West Lot Site is not warranted. As such, if NYSDEC and NYSDOH determine that action is necessary to address vapor intrusion on the DOT property, such action should not involve ARCADIS or Lockheed Martin.

Imagine the result

The conclusions of the vapor intrusion study for the West Lot Site are based on the following information:

- Although trichloroethene (TCE), tetrachloroethene (PCE), and 1,1,1-trichloroethane (1,1,1-TCA) were detected on the West Lot Site, they were not detected on the DOT property (detection limits were equal to or less than 1 microgram per cubic meter ($\mu\text{g}/\text{m}^3$)). Furthermore, the on-site (West Lot Site) concentrations were less than NYSDOH air guidelines for sub-slab soil gas.
- Other site-related constituents present in groundwater, including vinyl chloride (VC), cis-1,2-dichloroethene (cis-1,2-DCE), and 1,1-dichloroethane (1,1-DCA), were not detected on the West Lot Site.
- Many of the laboratory identified constituents were only detected on the DOT property or were detected on the DOT property at a higher frequency or concentration (Table 3) as follows:
 - 4-Ethyltoluene; only detected on DOT property
 - Vinyl chloride; only detected on DOT property
 - cis-1,2-DCE; only detected on DOT property
 - 1,3,5-trimethylbenzene; detected at a higher frequency and concentration on DOT property
 - Chloroform; detected at a higher frequency and concentration on DOT property
 - Cyclohexane; detected at higher concentrations on DOT property
 - Xylenes; detected at higher concentrations on DOT property
 - Heptane; detected at higher concentrations on DOT property
 - Toluene; detected at higher concentrations on DOT property
 - 2,2,4-Trimethylpentane; detected at higher concentrations on DOT property
 - Ethylbenzene; detected at higher concentrations on DOT property
 - Hexane; detected in higher concentrations on DOT property

- The primary constituents detected on the DOT property do not match those detected on the West Lot Site (Figure 2). Individual and total concentrations of constituents on the DOT property are typically an order of magnitude greater than the concentrations on the West Lot Site (Figure 3, Figure 4, and Figure 5).
- Carbon dioxide (CO₂), a typical landfill gas, was noted as an interfering compound by the laboratory in two samples collected from the DOT property.

Although TCE, PCE, and 1,1,1-TCA are constituents that have been detected frequently in on-site groundwater and at high concentrations compared to other constituents, the vapor intrusion study indicates that their pathway in soil gas does not extend off the West Lot Site. Under these conditions, there is no potential for exposure to TCE, PCE, or 1,1,1-TCA vapors in the off-site DOT buildings. Furthermore, the detected soil gas concentrations of these constituents are low (i.e., less than NYSDOH air guidelines for sub-slab soil gas) in all samples collected from the West Lot Site.

The distribution of site-related chlorinated constituents detected in soil gas is consistent with the findings presented in the *Vapor Intrusion Pathway Evaluation* (ARCADIS 2006b). The report shows that the groundwater plume migrates towards the south-southwest, not towards the building on the DOT property.

The detected constituents and the concentration gradients indicate there are impacts from the former New Hartford Village landfill. Soil gas at the DOT property appears to be representative of its historical use as a landfill and perhaps its current use as a DOT facility. Similarly, sub-slab soil gas sampling on the DOT property is expected to yield results attributed to the DOT property (and associated landfill) but not attributable to the West Lot Site. As such, further study of the vapor intrusion pathway associated with the West Lot Site is not warranted. If NYSDEC and NYSDOH determine that action is necessary to address vapor intrusion on the DOT property, such action should not involve ARCADIS or Lockheed Martin.

Please contact the undersigned if you have questions or comments.

Sincerely,



Jeffrey J. Bonsteel
Project Scientist



Christopher J. Motta, CPG
Project Manager

Copies:

Greg Rys – NYSDOH, Herkimer
Tom Blackman – Lockheed Martin
MariKay Fish - AIGDC

References

ARCADIS 2006a. *Vapor Intrusion Pathway Evaluation*, GE West Lot Site, Utica, New York, March 2006.

ARCADIS 2006b. *Work Plan for Vapor Intrusion Study*, GE West Lot Site, Utica, New York, November 2006.

Environmental Protection Agency 2002. *Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils*. November 2002.

Figure 2. Comparison of Maximum Soil Gas Concentrations at the DOT Property and the West Lot Site.

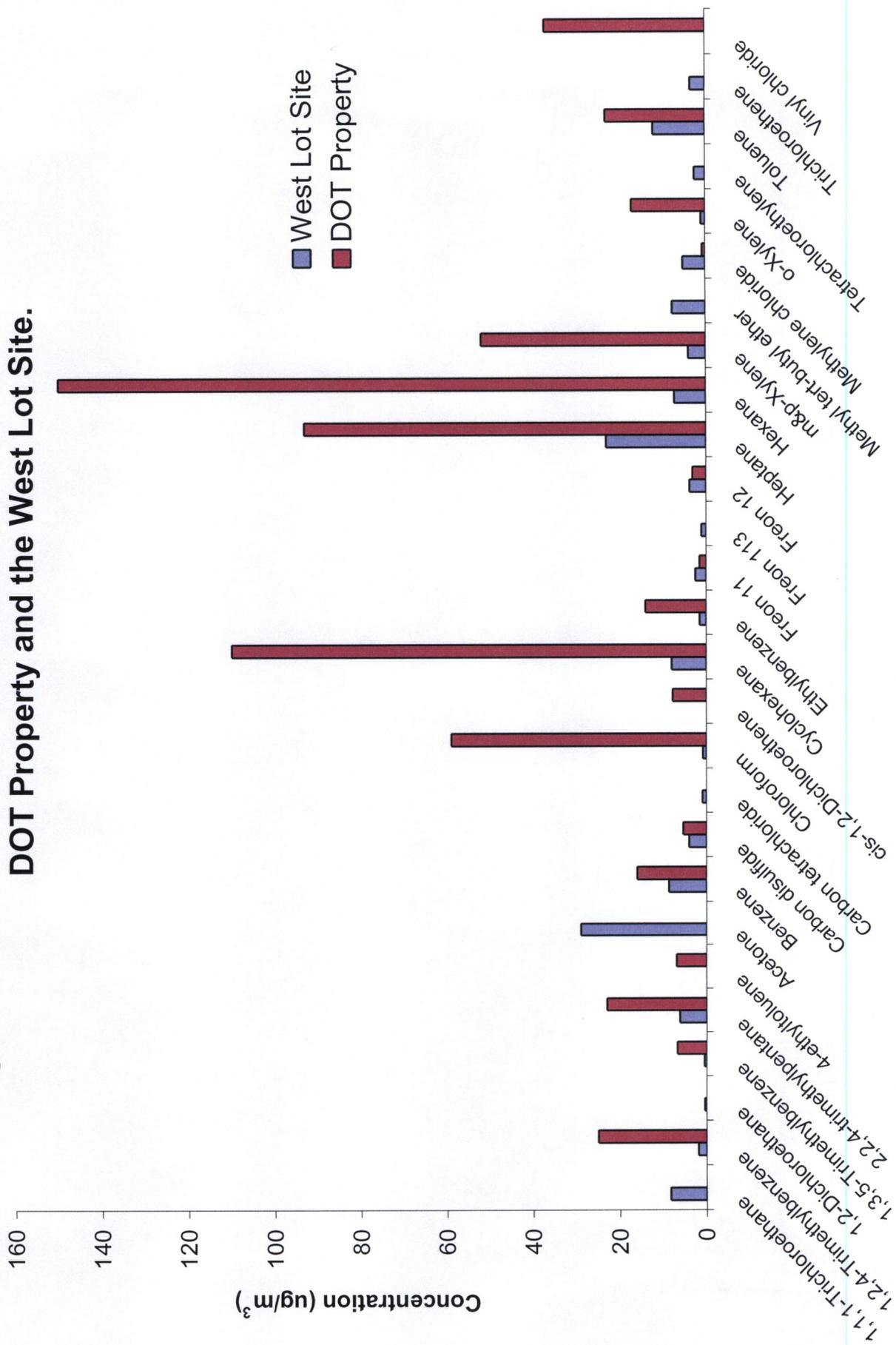


Figure 3. Soil Gas Concentrations of Constituents Detected at the West Lot Site.

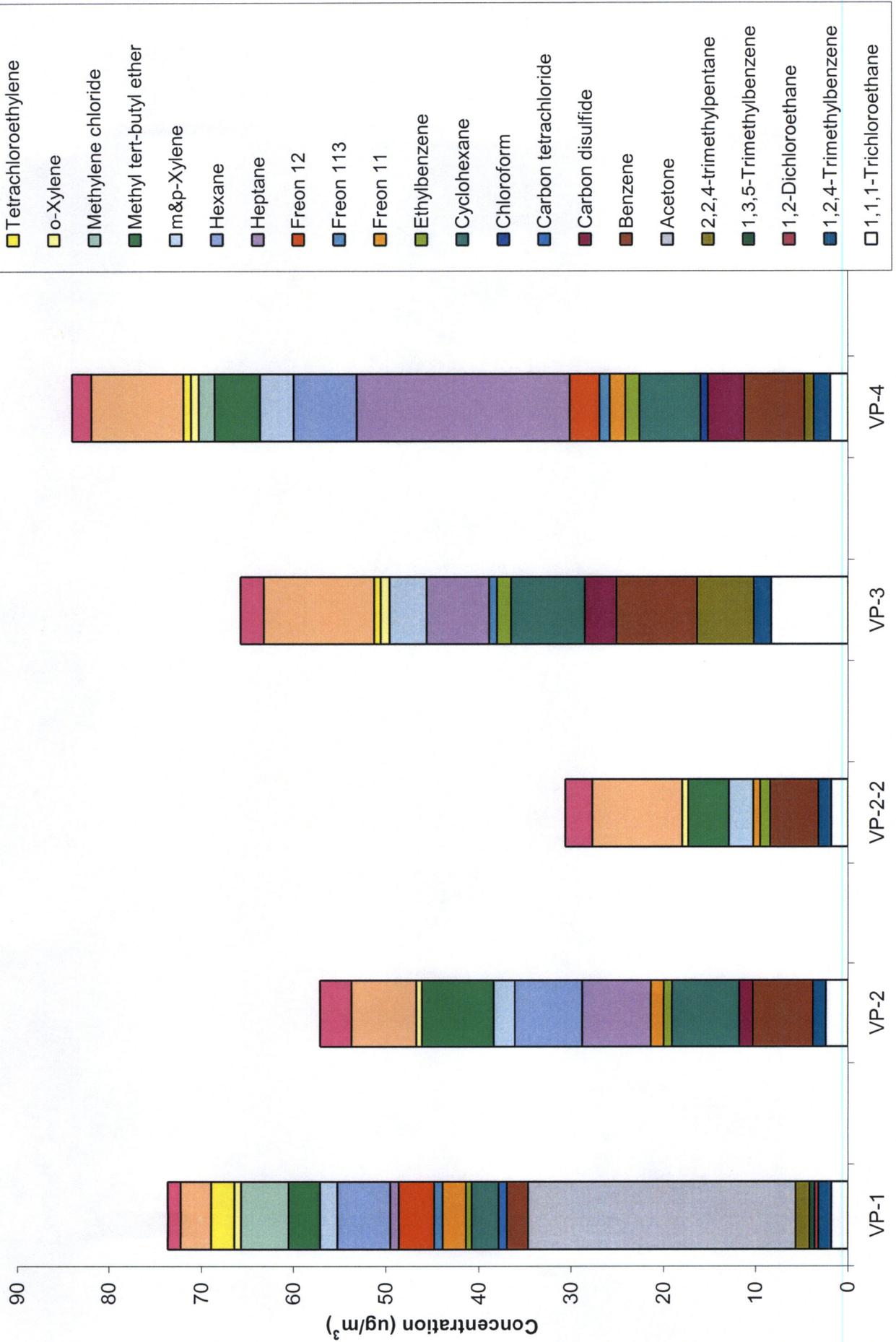


Figure 5. Comparison of Compounds Detected in All Samples From the DOT Property to Compounds Detected in Samples From the West Lot Site.

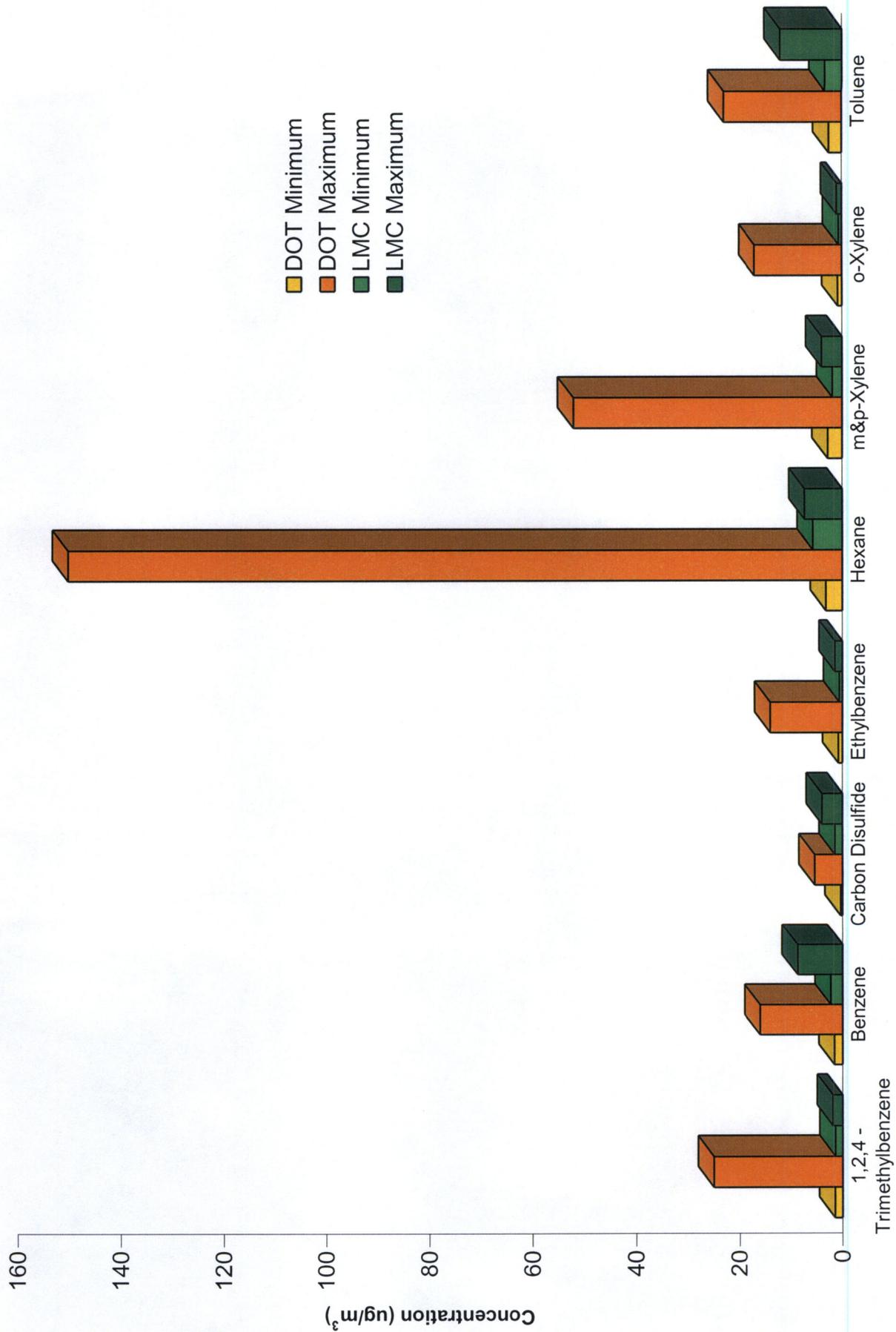


Table 1. Summary of Soil Gas Data for the West Lot Site.

Analyte	Property: Sample ID: Sample No: Sample Date: Units:	West Lot Site				
		C0701029-001A	C0701029-002A	C0701029-003A	C0701029-004A	C0701029-005A
		VP-1	VP-2	VP-2-2	VP-3	VP-4
		1/23/2007	1/23/2007	1/23/2007	1/23/2007	1/23/2007
		$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
1,1,1-Trichloroethane	1.8	2.4	1.8	8.3	1.9	
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U	
1,1,2-Trichloroethane	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	
1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	
1,1-Dichloroethene	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	
1,2,4-Trichlorobenzene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
1,2,4-Trimethylbenzene	1.4	1.4	1.4	1.9	1.8	
1,2-Dibromoethane	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
1,2-Dichlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	
1,2-Dichloroethane	0.41 J	0.62 U	0.62 U	0.62 U	0.62 U	
1,2-Dichloropropane	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	
1,3,5-Trimethylbenzene	0.55 J	0.75 U	0.75 U	0.75 U	0.75 U	
1,3-Butadiene	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	
1,3-Dichlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	
1,4-Dichlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	
1,4-Dioxane	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
2,2,4-Trimethylpentane	1.5	0.71 U	0.71 U	6.2	1	
4-Ethyltoluene	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	
Acetone	29	0.72 U	0.72 U	0.72 U	0.72 U	
Allyl chloride	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	
Benzene	2.3	6.5	5.2	8.7	6.5	
Benzyl chloride	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	
Bromoform	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	
Bromomethane	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	
Carbon disulfide	0.47 U	1.5	0.47 U	3.4	4	
Carbon tetrachloride	0.9 J	0.96 U	0.96 U	0.96 U	0.96 U	
Chlorobenzene	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	
Chloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	
Chloroform	0.74 U	0.74 U	0.74 U	0.74 U	0.79	
Chloromethane	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	
cis-1,2-Dichloroethene	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	
cis-1,3-Dichloropropene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	
Cyclohexane	2.9	7.3	0.52 U	8	6.6	
Dibromochloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	
Ethyl acetate	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	
Ethylbenzene	0.62 J	0.88	1.1	1.5	1.5	
Freon 11	2.5	1.4	0.74 J	0.86 U	1.7	
Freon 113	0.93 J	1.2 U	1.2 U	0.86 J	1.1 J	
Freon 114	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
Freon 12	3.8	0.75 U	0.75 U	0.75 U	3.2	
Heptane	0.92	7.4	0.62 U	6.7	23	
Hexachloro-1,3-butadiene	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	
Hexane	5.7	7.3	0.54 U	0.54 U	6.8	
Isopropyl alcohol	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	
m&p-Xylene	1.9	2.3	2.7	4	3.7	
Methyl butyl ketone	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Methyl ethyl ketone	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	
Methyl isobutyl ketone	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Methyl tert-butyl ether	3.4	7.7	4.4	0.55 U	4.9	
Methylene chloride	5.2	0.53 U	0.53 U	0.53 U	1.7	
o-Xylene	0.71	0.62 J	0.66	0.97	0.84	
Propylene	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	
Styrene	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	
Tetrachloroethylene	2.5	1 U	1 U	0.69 J	0.83 J	
Tetrahydrofuran	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	
Toluene	3.3	7	9.7	12	10	
trans-1,2-Dichloroethene	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	
trans-1,3-Dichloropropene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	
Trichloroethene	1.4	3.4	2.9	2.5	2.1	
Vinyl acetate	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	
Vinyl bromide	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	
Vinyl chloride	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	

U - Constituent not detected

J - Estimated concentration

Table 2. Summary of Soil Gas Data for the DOT Property.

Analyte	Property:	DOT Property				
	Sample ID: Sample No: Sample Date: Units:	C0703026-001A VP-1-DOT 3/16/2007 µg/m ³	C0703026-002A VP-2-DOT 3/16/2007 µg/m ³	C0703026-004A VP-2-DOT-2 3/16/2007 µg/m ³	C0703026-003A VP-3-DOT 3/16/2007 µg/m ³	C0703026-005A Ambient-1 DOT 3/16/2007 µg/m ³
1,1,1-Trichloroethane	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
1,2,4-Trichlorobenzene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene	25	16	11	1.5	0.9	
1,2-Dibromoethane	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,3,5-Trimethylbenzene	6.8	5.4	3.5	0.75 U	0.75 U	
1,3-Butadiene	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dioxane	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	18	22	23	0.71 U	0.71 U	
4-Ethyltoluene	6.9	4.4	2	0.75 U	0.75 U	
Acetone	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Allyl chloride	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
Benzene	16	10	5.9	1.6	1	
Benzyl chloride	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon disulfide	4.6	5.4	0.76	0.41 J	0.47 U	
Carbon tetrachloride	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
Chlorobenzene	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Chloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform	59	36	13	0.74 U	0.74 U	
Chloromethane	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene	0.6 U	7.4	7.8	0.6 U	0.6 U	
cis-1,3-Dichloropropene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	88	110	87	0.52 U	0.52 U	
Dibromochloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Ethyl acetate	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethylbenzene	14	6.6	4.1	0.79	0.66 U	
Freon 11	0.86 U	0.86 U	0.86 U	1.5	1.7	
Freon 113	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Freon 114	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Freon 12	0.75 U	0.75 U	0.75 U	3.1	2.9	
Heptane	87	90	93	0.62 U	0.62 U	
Hexachloro-1,3-butadiene	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexane	150	27	16	3.2	1.3	
Isopropyl alcohol	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
m&p-Xylene	52	16 J	12	2.8	0.88 J	
Methyl butyl ketone	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Methyl ethyl ketone	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Methyl isobutyl ketone	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Methyl tert-butyl ether	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methylene chloride	0.53 U	0.53 U	0.53 U	0.71	0.53 U	
o-Xylene	17	9.7 J	7.8	0.84	0.66 U	
Propylene	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethylene	1 U	1 U	1 U	1 U	1 U	1 U
Tetrahydrofuran	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Toluene	23	15	10	2.5	1.9	
trans-1,2-Dichloroethene	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
trans-1,3-Dichloropropene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Vinyl acetate	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl bromide	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl chloride	0.39 U	37	0.39 U	0.39 U	0.39 U	

U - Constituent not detected

J - Estimated concentration

Table 3. Frequency and Range of Concentrations for Constituents Detected at the West Lot Site and the DOT Property.

Analyte	DOT Property		West Lot Site	
	Frequency of Detections	Range of Detects Min -- Max ($\mu\text{g}/\text{m}^3$)	Frequency of Detections	Range of Detects Min -- Max ($\mu\text{g}/\text{m}^3$)
1,1,1-Trichloroethane	0/4	-- -- --	4/4	1.8 -- 8.3
1,1,2,2-Tetrachloroethane	0/4	-- -- --	0/4	-- -- --
1,1,2-Trichloroethane	0/4	-- -- --	0/4	-- -- --
1,1-Dichloroethane	0/4	-- -- --	0/4	-- -- --
1,1-Dichloroethene	0/4	-- -- --	0/4	-- -- --
1,2,4-Trichlorobenzene	0/4	-- -- --	0/4	-- -- --
1,2,4-Trimethylbenzene	4/4	1.5 -- 25	4/4	1.4 -- 1.9
1,2-Dibromoethane	0/4	-- -- --	0/4	-- -- --
1,2-Dichlorobenzene	0/4	-- -- --	0/4	-- -- --
1,2-Dichloroethane	0/4	-- -- --	1/4	0.41 -- 0.41
1,2-Dichloropropane	0/4	-- -- --	0/4	-- -- --
1,3,5-Trimethylbenzene	3/4	3.5 -- 6.8	1/4	0.55 -- 0.55
1,3-Butadiene	0/4	-- -- --	0/4	-- -- --
1,3-Dichlorobenzene	0/4	-- -- --	0/4	-- -- --
1,4-Dichlorobenzene	0/4	-- -- --	0/4	-- -- --
1,4-Dioxane	0/4	-- -- --	0/4	-- -- --
2,2,4-Trimethylpentane	3/4	18 -- 23	3/4	1 -- 6.2
4-Ethyltoluene	3/4	2 -- 6.9	0/4	-- -- --
Acetone	0/4	-- -- --	1/4	29 -- 29
Allyl chloride	0/4	-- -- --	0/4	-- -- --
Benzene	4/4	1.6 -- 16	4/4	2.3 -- 8.7
Benzyl chloride	0/4	-- -- --	0/4	-- -- --
Bromodichloromethane	0/4	-- -- --	0/4	-- -- --
Bromoform	0/4	-- -- --	0/4	-- -- --
Bromomethane	0/4	-- -- --	0/4	-- -- --
Carbon disulfide	4/4	0.41 -- 5.4	3/4	1.5 -- 4
Carbon tetrachloride	0/4	-- -- --	1/4	0.9 -- 0.9
Chlorobenzene	0/4	-- -- --	0/4	-- -- --
Chloroethane	0/4	-- -- --	0/4	-- -- --
Chloroform	3/4	13 -- 59	1/4	0.79 -- 0.79
Chloromethane	0/4	-- -- --	0/4	-- -- --
cis-1,2-Dichloroethene	2/4	7.4 -- 7.8	0/4	-- -- --
cis-1,3-Dichloropropene	0/4	-- -- --	0/4	-- -- --
Cyclohexane	3/4	87 -- 110	4/4	2.9 -- 8
Dibromochloromethane	0/4	-- -- --	0/4	-- -- --
Ethyl acetate	0/4	-- -- --	0/4	-- -- --
Ethylbenzene	4/4	0.79 -- 14	4/4	0.62 -- 1.5
Freon 11	1/4	1.5 -- 1.5	3/4	0.74 -- 2.5
Freon 113	0/4	-- -- --	3/4	0.86 -- 1.1
Freon 114	0/4	-- -- --	0/4	-- -- --
Freon 12	1/4	3.1 -- 3.1	2/4	3.2 -- 3.8
Heptane	3/4	87 -- 93	4/4	0.92 -- 23
Hexachloro-1,3-butadiene	0/4	-- -- --	0/4	-- -- --
Hexane	4/4	3.2 -- 150	3/4	5.7 -- 7.3
Isopropyl alcohol	0/4	-- -- --	0/4	-- -- --
m&p-Xylene	4/4	2.8 -- 52	4/4	1.9 -- 4
Methyl butyl ketone	0/4	-- -- --	0/4	-- -- --
Methyl ethyl ketone	0/4	-- -- --	0/4	-- -- --
Methyl isobutyl ketone	0/4	-- -- --	0/4	-- -- --
Methyl tert-butyl ether	0/4	-- -- --	3/4	3.4 -- 7.7
Methylene chloride	1/4	0.71 -- 0.71	2/4	1.7 -- 5.2
o-Xylene	4/4	0.84 -- 17	4/4	0.62 -- 0.97
Propylene	0/4	-- -- --	0/4	-- -- --
Styrene	0/4	-- -- --	0/4	-- -- --
Tetrachloroethylene	0/4	-- -- --	3/4	0.69 -- 2.5
Tetrahydrofuran	0/4	-- -- --	0/4	-- -- --
Toluene	4/4	2.5 -- 23	4/4	3.3 -- 12
trans-1,2-Dichloroethene	0/4	-- -- --	0/4	-- -- --
trans-1,3-Dichloropropene	0/4	-- -- --	0/4	-- -- --
Trichloroethene	0/4	-- -- --	4/4	1.4 -- 3.4
Vinyl acetate	0/4	-- -- --	0/4	-- -- --
Vinyl bromide	0/4	-- -- --	0/4	-- -- --
Vinyl chloride	1/4	37 -- 37	0/4	-- -- --

U - Constituent not detected

J - Estimated concentration