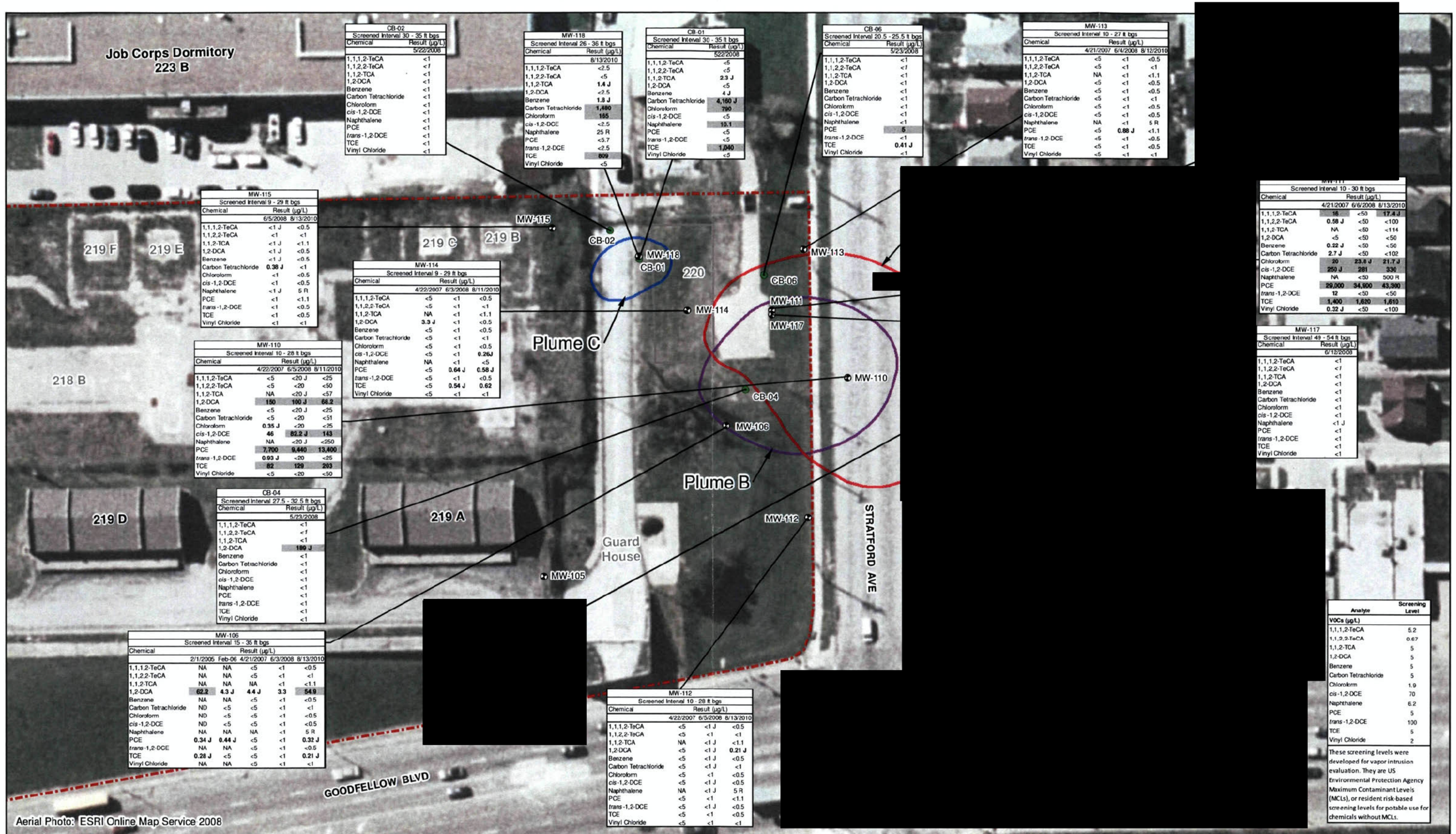

CB-02	
Screened Interval 30 - 35 ft bgs	
Chemical	Result (µg/L)
	5/22/2008
1,1,1,2-TeCA	<1
1,1,2,2-TeCA	<1
1,1,2-TCA	<1
1,2-DCA	<1
Benzene	<1
Carbon Tetrachloride	<1
Chloroform	<1
cis-1,2-DCE	<1
Naphthalene	<1
PCE	<1
trans-1,2-DCE	<1
TCE	<1
Vinyl Chloride	<1

MW-118	
Screened Interval 26 - 36 ft bgs	
Chemical	Result (µg/L)
	8/13/2010
1,1,1,2-TeCA	<2.5
1,1,2,2-TeCA	<5
1,1,2-TCA	**1.4 J**
1,2-DCA	<2.5
Benzene	**1.8 J**
Carbon Tetrachloride	**1,480**
Chloroform	**185**
cis-1,2-DCE	<2.5
Naphthalene	25 R
PCE	<3.7
trans-1,2-DCE	<2.5
TCE	**809**
Vinyl Chloride	<5

CB-01	
Screened Interval 30 - 35 ft bgs	
Chemical	Result (µg/L)
	5/22/2008
1,1,1,2-TeCA	<5
1,1,2,2-TeCA	<5
1,1,2-TCA	**2.3 J**
1,2-DCA	<5
Benzene	**4 J**
Carbon Tetrachloride	**4,160 J**
Chloroform	**790**
cis-1,2-DCE	<5
Naphthalene	**19.1**
PCE	<5
trans-1,2-DCE	<5
TCE	**1,040**
Vinyl Chloride	<5

CB-06	
Screened Interval 20.5 - 25.5 ft bgs	
Chemical	Result (µg/L)
	5/23/2008
1,1,1,2-TeCA	<1
1,1,2,2-TeCA	<1
1,1,2-TCA	<1
1,2-DCA	<1
Benzene	<1
Carbon Tetrachloride	<1
Chloroform	<1
cis-1,2-DCE	<1
Naphthalene	<1
PCE	**5**
trans-1,2-DCE	<1
TCE	**0.41 J**
Vinyl Chloride	<1

MW-113			
Screened Interval 10 - 27 ft bgs			
Chemical	Result (µg/L)		
	4/21/2007	6/4/2008	8/12/2010
1,1,1,2-TeCA	<5	<1	<0.5
1,1,2,2-TeCA	<5	<1	<1
1,1,2-TCA	NA	<1	<1.1
1,2-DCA	<5	<1	<0.5
Benzene	<5	<1	<0.5
Carbon Tetrachloride	<5	<1	<1
Chloroform	<5	<1	<0.5
cis-1,2DCE	<5	<1	<0.5
Naphthalene	NA	<1	5 R
PCE	<5	**0.88 J**	<1.1
trans-1,2-DCE	<5	<1	<0.5
TCE	<5	<1	<0.5
Vinyl Chloride	<5	<1	<1

MW-111			
Screened Interval 10 - 30 ft bgs			
Chemical	Result (µg/L)		
	4/21/2007	6/6/2008	8/13/2010
1,1,1,2-TeCA	**16**	<50	**17.4 J**
1,1,2,2-TeCA	**0.58 J**	<50	<100
1,1,2-TCA	NA	<50	<114
1,2-DCA	<5	<50	<50
Benzene	**0.22 J**	<50	<50
Carbon Tetrachloride	**2.7 J**	<50	<102
Chloroform	**20**	**23.8 J**	**21.7 J**
cis-1,2-DCE	**250 J**	**281**	**330**
Naphthalene	NA	<50	500 R
PCE	**29,000**	**34,900**	**43,300**
trans-1,2-DCE	**12**	<50	<50
TCE	**1,400**	**1,620**	**1,610**
Vinyl Chloride	**0.32 J**	<50	<100

MW-115		
Screened Interval 9 - 29 ft bgs		
Chemical	Result (µg/L)	
	6/5/2008	8/13/2010
1,1,1,2-TeCA	<1 J	<0.5
1,1,2,2-TeCA	<1	<1
1,1,2-TCA	<1 J	<1.1
1,2-DCA	<1 J	<0.5
Benzene	<1 J	<0.5
Carbon Tetrachloride	**0.38 J**	<1
Chloroform	<1	<0.5
cis-1,2-DCE	<1	<0.5
Naphthalene	<1 J	5 R
PCE	<1	<1.1
trans-1,2-DCE	<1	<0.5
TCE	<1	<0.5
Vinyl Chloride	<1	<1

MW-114			
Screened Interval 9 - 29 ft bgs			
Chemical	Result (µg/L)		
	4/22/2007	6/3/2008	8/11/2010
1,1,1,2-TeCA	<5	<1	<0.5
1,1,2,2-TeCA	<5	<1	<1
1,1,2-TCA	NA	<1	<1.1
1,2-DCA	**3.3 J**	<1	<0.5
Benzene	<5	<1	<0.5
Carbon Tetrachloride	<5	<1	<1
Chloroform	<5	<1	<0.5
cis-1,2-DCE	<5	<1	**0.26J**
Naphthalene	NA	<1	<5
PCE	<5	**0.64 J**	**0.58 J**
trans-1,2-DCE	<5	<1	<0.5
TCE	<5	**0.54 J**	**0.62**
Vinyl Chloride	<5	<1	<1

MW-110			
Screened Interval 10 - 28 ft bgs			
Chemical	Result (µg/L)		
	4/22/2007	6/5/2008	8/11/2010
1,1,1,2-TeCA	<5	<20 J	<25
1,1,2,2-TeCA	<5	<20	<50
1,1,2-TCA	NA	<20 J	<57
1,2-DCA	**150**	**100 J**	**66.2**
Benzene	<5	<20 J	<25
Carbon Tetrachloride	<5	<20	<51
Chloroform	**0.35 J**	<20	<25
cis-1,2-DCE	**46**	**82.2 J**	**143**
Naphthalene	NA	<20 J	<250
PCE	**7,700**	**9,440**	**13,400**
trans-1,2-DCE	**0.93 J**	<20	<25
TCE	**82**	**129**	**203**
Vinyl Chloride	<5	<20	<50

MW-117	
Screened Interval 49 - 54 ft bgs	
Chemical	Result (µg/L)
	6/12/2008
1,1,1,2-TeCA	<1
1,1,2,2-TeCA	<1
1,1,2-TCA	<1
1,2-DCA	<1
Benzene	<1
Carbon Tetrachloride	<1
Chloroform	<1
cis-1,2-DCE	<1
Naphthalene	<1 J
PCE	<1
trans-1,2-DCE	<1
TCE	<1
Vinyl Chloride	<1

CB-04	
Screened Interval 27.5 - 32.5 ft bgs	
Chemical	Result (µg/L)
	5/23/2008
1,1,1,2-TeCA	<1
1,1,2,2-TeCA	<1
1,1,2-TCA	<1
1,2-DCA	**189 J**
Benzene	<1
Carbon Tetrachloride	<1
Chloroform	<1
cis-1,2-DCE	<1
Naphthalene	<1
PCE	<1
trans-1,2-DCE	<1
TCE	<1
Vinyl Chloride	<1

MW-106					
Screened Interval 15 - 35 ft bgs					
Chemical	Result (µg/L)				
	2/1/2005	Feb-06	4/21/2007	6/3/2008	8/13/2010
1,1,1,2-TeCA	NA	NA	<5	<1	<0.5
1,1,2,2-TeCA	NA	NA	<5	<1	<1
1,1,2-TCA	NA	NA	NA	<1	<1.1
1,2-DCA	**62.2**	**4.3 J**	**4.4 J**	**3.3**	**54.9**
Benzene	NA	NA	<5	<1	<0.5
Carbon Tetrachloride	ND	<5	<5	<1	<1
Chloroform	ND	<5	<5	<1	<0.5
cis-1,2-DCE	ND	<5	<5	<1	<0.5
Naphthalene	NA	NA	NA	<1	5 R
PCE	**0.34 J**	**0.44 J**	<5	<1	**0.32 J**
trans-1,2-DCE	NA	NA	<5	<1	<0.5
TCE	**0.28 J**	<5	<5	<1	**0.21 J**
Vinyl Chloride	NA	NA	<5	<1	<1

MW-112			
Screened Interval 10 - 28 ft bgs			
Chemical	Result (µg/L)		
	4/22/2007	6/5/2008	8/13/2010
1,1,1,2-TeCA	<5	<1 J	<0.5
1,1,2,2-TeCA	<5	<1	<1
1,1,2-TCA	NA	<1 J	<1.1
1,2-DCA	<5	<1 J	**0.21 J**
Benzene	<5	<1 J	<0.5
Carbon Tetrachloride	<5	<1 J	<1
Chloroform	<5	<1	<0.5
cis-1,2-DCE	<5	<1 J	<0.5
Naphthalene	NA	<1 J	5 R
PCE	<5	<1	<1.1
trans-1,2-DCE	<5	<1 J	<0.5
TCE	<5	<1	<0.5
Vinyl Chloride	<5	<1	<1

Analyte	Screening Level
VOCs (µg/L)	
1,1,1,2-TeCA	5.2
1,1,2,2-TeCA	0.67
1,1,2-TCA	5
1,2-DCA	5
Benzene	5
Carbon Tetrachloride	5
Chloroform	1.9
cis-1,2-DCE	70
Naphthalene	6.2
PCE	5
trans-1,2-DCE	100
TCE	5
Vinyl Chloride	2

These screening levels were developed for vapor intrusion evaluation. They are US Envirormental Protection Agency Maximum Contaminant Levels (MCLs), or resident risk-based screening levels for potable use for chemicals without MCLs.

0 30 60 Feet

LEGEND

- Groundwater Sample Point
- Temporary Well
- Monitoring Well
- Site Boundary
- 220 Former Building
- Area Exceeding MCL for 1,2-DCA (Plume B)
- Area Exceeding MCL for Carbon Tetrachloride (Plume C)
- Area Exceeding MCL for PCE, TCE, and cis-1,2-DCE (Plume A)

NOTES:

1. VOC = volatile organic compound
2. TeCA = tetrachloroethane
3. TCA = trichloroethane
4. DCA = dichloroethane
5. DCE = dichloroethene
6. PCE = tetrachloroethene
7. TCE = trichloroethene
8. J = Estimated Concentration
9. < = Chemical not detected above the method detection limit
10. Bold type indicates the chemical was detected
11. Shading indicates a detected concentration above the screening level
12. Italicized values represent detection limits above screening levels
13. µg/L = micrograms per liter

FIGURE 1
VOCs IN GROUNDWATER AT CONCENTRATIONS EXCEEDING SCREENING LEVELS
St. Louis Ordnance Plant
Former Hanley Area
St. Louis, Missouri

40381802
Superfund

CH2MHILL

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