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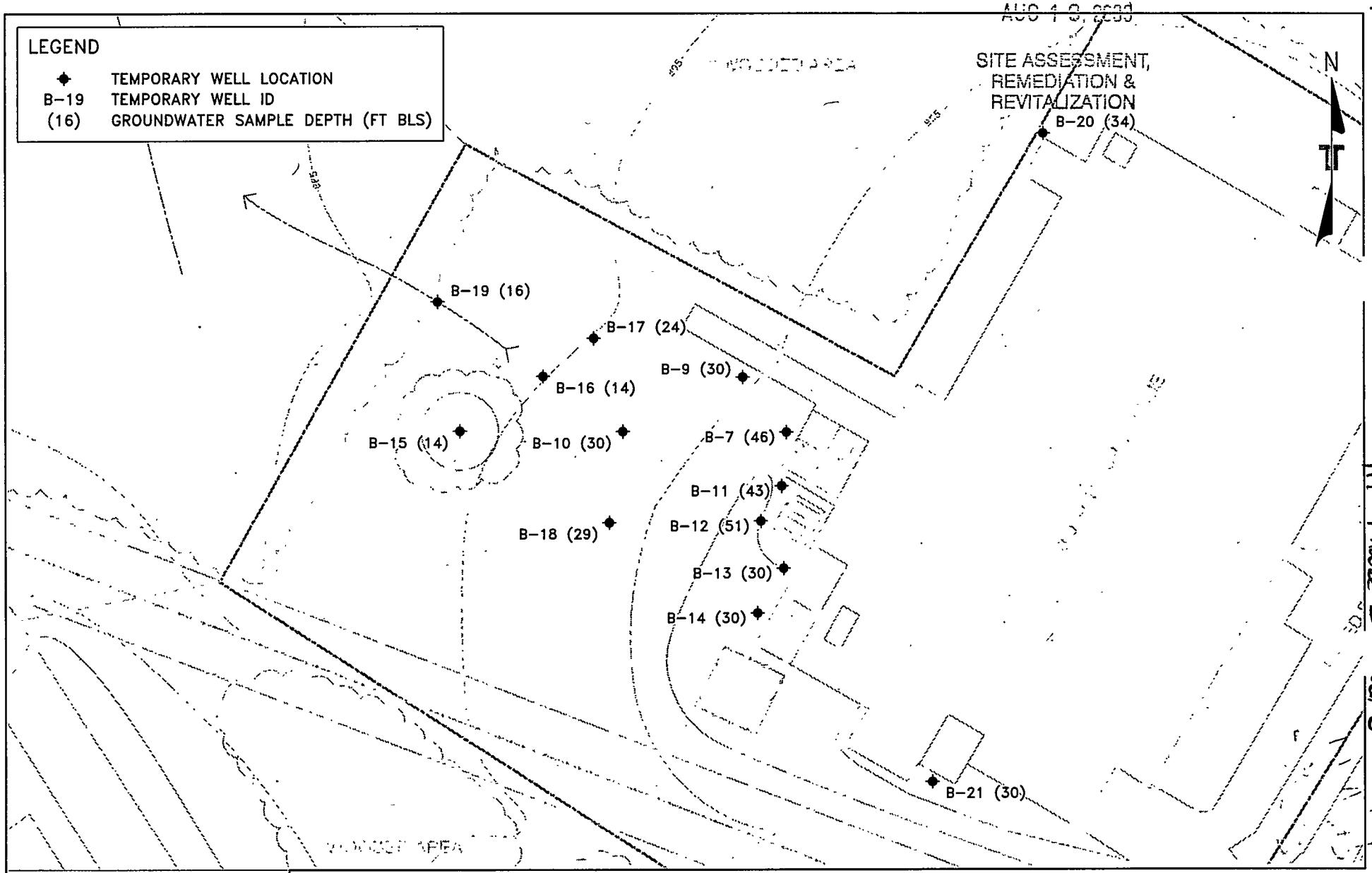

Response to Comments #5 & 23 RI Phase I

Project Mngr: CDE	Project No: 86077044	Terracon Consulting Engineers and Scientists	GROUNDWATER SAMPLE LOCATION MAP	FIG No.
Drawn By: SKN	Scale: AS SHOWN	3534 RUTHERFORD ROAD TAYLORS, SC 29687 PH. (864) 292-2901 FAX (864) 292-6361	REMEDIAL INVESTIGATION PHASE I REPORT	4A
Checked By: CDE	File Name: 86077044\7044RIFIGURES.DWG		CASTLEBRIDGE PROPERTIES, LLC PROPERTY	
Approved By: CDE	Date: 12/01/2008		200 NATIONAL AVENUE	
			SPARTANBURG, SPARTANBURG COUNTY SOUTH CAROLINA	

50 0 50 100
Scale In Feet

18a

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SITE ASSESSMENT, REMEDIATION & REVITALIZATION

Table 3
Summary of Inorganic Constituents in Soil / Sediment Samples
Remedial Investigation Phase I Report
Voluntary Cleanup Contract 07-5217-RP

Constituent	Industrial SSL[1]	280 National Avenue		200 National Avenue							
		B-2(25)	B-4(25)	B-7(22.5)	B-9(17.5)	B-10(0)	B-11(15)	B-12(7.5)	B-15(2.5)	B-16(2.5)	B-19(5)
		30-Sep-08	30-Sep-08	1-Oct-08	2-Oct-08	1-Oct-08	2-Oct-08	2-Oct-08	3-Oct-08	3-Oct-08	3-Oct-08
Aluminum	990,000	**38,000**	**110,000**	**34,000**	**120,000**	**120,000**	**46,000**	**82,000**	**100,000**	**120,000**	**100,000**
Antimony	NA[2]	*< 1.2*	*< 6.6*	*< 3.4*	*< 3*	*< 3.3*	*< 3.3*	*< 6.4*	*< 3.2*	*< 6.5*	*< 3.4*
Arsenic	1.6	*< 0.62*	**6.3**	*< 0.68*	*< 3*	**1.1**	*< 3.3*	*< 6.4*	*< 3.2*	*< 6.5*	*< 3.4*
Barium	190,000	**120**	**48**	**250**	**190**	**150**	**250**	**73**	**240**	**150**	**140**
Beryllium	2,000	*< 2.5*	*< 0.26*	*< 2.7*	**2.7**	*< 2.6*	**2.6**	**1.6**	**2.3**	**1.8**	**1.3**
Cadmium	810	*< 0.25*	*< 1.3*	*< 0.68*	*< 0.61*	*< 0.66*	**0.74**	*< 1.3*	*< 0.63*	*< 1.3*	*< 0.67*
Calcium	NE[3]	*< 310*	**600**	*< 340*	*< 300*	*< 330*	*< 330*	*< 320*	*< 320*	*< 330*	*< 340*
Chromium	1,400	**29**	**79**	**160**	**33**	**81**	**54**	**140**	**75**	**74**	**120**
Cobalt	300	**23**	**3.5**	**41**	**18**	**20**	**37**	**4.1**	**28**	**12**	**11**
Copper	41,000	**25**	**32**	**42**	**51**	**67**	**26**	**47**	**21**	**87**	**35**
Iron	720,000	**26,000**	**71,000**	**45,000**	**40,000**	**60,000**	**58,000**	**66,000**	**52,000**	**69,000**	**55,000**
Lead	800	**12**	**24**	**18**	**22**	**38**	**19**	**32**	**19**	**22**	**19**
Magnesium	NE	**4,000**	**670**	**14,000**	**9,600**	**5,000**	**7,900**	**1,700**	**11,000**	**7,800**	**7,100**
Manganese	23,000	**410**	**96**	**850**	**370**	**380**	**1,200**	**160**	**590**	**280**	**220**
Mercury	NA	*< 0.1*	*< 0.11*	*< 0.11*	*< 0.1*	*< 0.11*	*< 0.11*	*< 0.11*	*< 0.1*	*< 0.11*	*< 0.11*
Nickel	20,000	**23**	*< 26*	**58**	**45**	**54**	**47**	**31**	**40**	**40**	**46**
Potassium	NE	**5,800**	*< 3,300*	**19,000**	**8,000**	**4,900**	**10,000**	*< 3,200*	**8,300**	**5,500**	**5,100**
Selenium	5,100	*< 1.2*	*< 6.6*	*< 3.4*	*< 3*	*< 3.3*	*< 3.3*	*< 6.4*	*< 3.2*	*< 6.5*	*< 3.4*
Silver	5,100	**0.92**	*< 3.3*	**2.2**	*< 1.5*	**1.6**	**3.2**	*< 3.2*	**1.9**	*< 3.3*	*< 1.7*
Sodium	NE	*< 620*	*< 3,300*	*< 1,700*	*< 1,500*	*< 1,600*	*< 1,600*	*< 3,200*	*< 1,600*	*< 3,300*	*< 1,700*
Thallium	66	*< 6.2*	*< 33*	*< 17*	*< 15*	*< 16*	*< 16*	*< 32*	*< 16*	*< 33*	*< 17*
Vanadium	7,200	**43**	**180**	**110**	**110**	**130**	**120**	**140**	**150**	**190**	**170**
Zinc	310,000	**47**	**44**	**91**	**99**	**100**	**200**	**51**	**78**	**75**	**77**

NOTES:

[1] Industrial Soil Screening Level (SSL), Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites, RSL Table Update, USEPA, September 2008.

[2] Contaminant not detected in soil samples; screening level Not Applicable (NA).

[3] Industrial SLL Not Established (NE).

- Concentrations reported in mg/kg.
- Bold concentrations indicate contaminant detected in sample above Practical Quantitation Limit (PQL).
- Shaded concentrations indicate contaminant detected in sample above SSL.

Table 3
Summary of Inorganic Constituents in Soil / Sediment Samples
Remedial Investigation Phase I Report
Voluntary Cleanup Contract 07-5217-RP

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SITE ASSESSMENT, REMEDIATION & REVITALIZATION

Constituent	Industrial SSL[1]	200 National Avenue					
		B-20(12.5)	B-21(0)	B-22(3)	SD-1	SD-2	SD-3
		6-Oct-08	6-Oct-08	18-Nov-08	18-Nov-08	18-Nov-08	18-Nov-08
Aluminum	990,000	**43,000**	**71,000**	**100,000**	**45,000**	**5,200**	**26,000**
Antimony	NA[2]	*< 0.56*	*< 2.8*	*< 1.2*	*< 0.64*	*< 0.64*	*< 1.0*
Arsenic	1.6	*< 0.56*	*< 2.8*	*< 5.8*	**3.1**	*< 0.64*	**1.3**
Barium	190,000	**29**	**290**	**96**	**65**	**26**	**67**
Beryllium	2,000	**0.41**	*< 2.3*	**1.2**	**0.86**	*< 0.26*	**0.78**
Cadmium	810	*< 0.11*	*< 0.57*	**0.33**	**0.34**	*< 0.13*	*< 0.21*
Calcium	NE[3]	*< 280*	*< 1,400*	*< 2,900*	**430**	*< 320*	*< 520*
Chromium	1,400	**29**	**75**	**75**	**79**	**5.1**	**34**
Cobalt	300	**2.3**	**24**	**6.9**	**6.7**	*< 1.7*	**2.9**
Copper	41,000	**16**	**46**	**49**	**170**	**1.1**	**43**
Iron	720,000	**27,000**	**48,000**	**55,000**	**27,000**	**1,600**	**11,000**
Lead	800	**17**	**26**	**35**	**170**	**1.8**	**38**
Magnesium	NE	**640**	**10,000**	**3,200**	**2,000**	**660**	**1,500**
Manganese	23,000	**30**	**480**	**180**	**190**	**22**	**67**
Mercury	NA	*< 0.093*	*< 0.094*	*< 0.096*	*< 0.10*	*< 0.11*	*< 0.17*
Nickel	20,000	**13**	**45**	**33**	**18**	*< 2.6*	**10**
Potassium	NE	**460**	**10,000**	**3,100**	**2,100**	**510**	**1,400**
Selenium	5,100	*< 0.56*	*< 2.8*	*< 5.8*	**3.5**	*< 0.64*	**1.4**
Silver	5,100	*< 0.28*	**2.0**	*< 0.58*	*< 0.32*	*< 0.32*	*< 0.52*
Sodium	NE	*< 280*	*< 1,400*	*< 2,900*	*< 320*	*< 320*	*< 520*
Thallium	66	*< 2.8*	*< 14*	*< 29*	*< 3.2*	*< 3.2*	*< 5.2*
Vanadium	7,200	**74**	**120**	**150**	**70**	**5.8**	**38**
Zinc	310,000	**23**	**130**	**71**	**240**	**18**	**72**

NOTES:

[1] Industrial Soil Screening Level (SSL), Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites, RSL Table Update, USEPA, September 2008.

[2] Contaminant not detected in soil samples; screening level Not Applicable (NA).

[3] Industrial SSL Not Established (NE).

- Concentrations reported in mg/kg.
- Bold concentrations indicate contaminant detected in sample above Practical.Quantitation Limit (PQL).
- Shaded concentrations indicate contaminant detected in sample above SSL.

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SITE ASSESSMENT, REMEDIATION & REVITALIZATION

Table 4
Summary of Organic Constituents in Groundwater / Surface Water Samples
Remedial Investigation Phase I Report
Voluntary Cleanup Contract 07-5217-RP

Constituent	MCL[1]	280 National Avenue			
		B-2(42)	B-3(30)	B-4(39)	B-5(46)
		08-Oct-08	06-Oct-08	08-Oct-08	01-Oct-08
1,1,1-Trichloroethane	NA[2]	< 5.0	< 5.0	< 5.0	< 10
1,1,2,2-Tetrachloroethane	NA	< 5.0	< 5.0	< 5.0	< 10
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	< 5.0	< 5.0	< 5.0	< 10
1,1,2-Trichloroethane	NA	< 5.0	< 5.0	< 5.0	< 10
1,1-Dichloroethane	NA	< 5.0	< 5.0	< 5.0	< 10
1,1-Dichloroethene	NA	< 5.0	< 5.0	< 5.0	< 10
1,2,4-Trichlorobenzene	NA	< 5.0	< 5.0	< 5.0	< 10
1,2-Dibromo-3-chloropropane (DBCP)	NA	< 5.0	< 5.0	< 5.0	< 10
1,2-Dibromoethane (EDB)	NA	< 5.0	< 5.0	< 5.0	< 10
1,2-Dichlorobenzene	NA	< 5.0	< 5.0	< 5.0	< 10
1,2-Dichloroethane	NA	< 5.0	< 5.0	< 5.0	< 10
1,2-Dichloropropane	NA	< 5.0	< 5.0	< 5.0	< 10
1,3-Dichlorobenzene	NA	< 5.0	< 5.0	< 5.0	< 10
1,4-Dichlorobenzene	NA	< 5.0	< 5.0	< 5.0	< 10
2-Butanone (MEK)	NA	< 10	< 10	< 10	< 20
2-Hexanone	NA	< 10	< 10	< 10	< 20
4-Methyl-2-pentanone	NA	< 10	< 10	< 10	< 20
Acetone	NE[3]	< 20	< 20	< 20	< 40
Benzene	NA	< 5.0	< 5.0	< 5.0	< 10
Bromodichloromethane	NA	< 5.0	< 5.0	< 5.0	< 10
Bromoform	NA	< 5.0	< 5.0	< 5.0	< 10
Bromomethane (Methyl bromide)	NA	< 5.0	< 5.0	< 5.0	< 10
Carbon disulfide	NA	< 5.0	< 5.0	< 5.0	< 10
Carbon tetrachloride	NA	< 5.0	< 5.0	< 5.0	< 10
Chlorobenzene	NA	< 5.0	< 5.0	< 5.0	< 10
Chloroethane	NA	< 5.0	< 5.0	< 5.0	< 10
Chloroform	NA	< 5.0	< 5.0	< 5.0	< 10
Chloromethane (Methyl chloride)	NA	< 5.0	< 5.0	< 5.0	< 10
cis-1,2-Dichloroethene	70	**7.6**	< 5.0	< 5.0	**25**
cis-1,3-Dichloropropene	NA	< 5.0	< 5.0	< 5.0	< 10
Cyclohexane	NA	< 5.0	< 5.0	< 5.0	< 10
Dibromochloromethane	NA	< 5.0	< 5.0	< 5.0	< 10
Dichlorodifluoromethane	NA	< 5.0	< 5.0	< 5.0	< 10
Ethylbenzene	NA	< 5.0	< 5.0	< 5.0	< 10
Isopropylbenzene	NA	< 5.0	< 5.0	< 5.0	< 10
Methyl acetate	NA	< 5.0	< 5.0	< 5.0	< 10
Methyl tertiary butyl ether (MTBE)	NA	< 5.0	< 5.0	< 5.0	< 10
Methylcyclohexane	NA	< 5.0	< 5.0	< 5.0	< 10
Methylene chloride	NA	< 5.0	< 5.0	< 5.0	< 10
Styrene	NA	< 5.0	< 5.0	< 5.0	< 10
Tetrachloroethene	5.0	**440**	**29**	< 5.0	**220**
Toluene	NA	< 5.0	< 5.0	< 5.0	< 10
trans-1,2-Dichloroethene	NA	< 5.0	< 5.0	< 5.0	< 10
trans-1,3-Dichloropropene	NA	< 5.0	< 5.0	< 5.0	< 10
Trichloroethene	5.0	**5.3**	< 5.0	< 5.0	**11**
Trichlorofluoromethane	NA	< 5.0	< 5.0	< 5.0	< 10
Vinyl chloride	NA	< 2.0	< 2.0	< 2.0	< 4
Xylenes (total)	NA	< 5.0	< 5.0	< 5.0	< 10

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Table 4
Summary of Organic Constituents in Groundwater / Surface Water Samples
Remedial Investigation Phase I Report
Voluntary Cleanup Contract 07-5217-RP

Constituent	MCL[1]	200 National Avenue						
		B-6(30)	B-7(46)	B-7(46)A	B-9(30)	B-10(30)	B-11(43)	B-12(51)
		06-Oct-08	02-Oct-08	02-Oct-08	02-Oct-08	01-Oct-08	02-Oct-08	02-Oct-08
1,1,1-Trichloroethane	NA[2]	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
1,1-Dichloroethane	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
1,1-Dichloroethene	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
1,2,4-Trichlorobenzene	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane (DBCP)	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
1,2-Dibromoethane (EDB)	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
1,2-Dichloroethane	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
1,2-Dichloropropane	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
2-Butanone (MEK)	NA	< 10	< 10	< 20	< 10	< 10	< 10	< 10
2-Hexanone	NA	< 10	< 10	< 20	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	NA	< 10	< 10	< 20	< 10	< 10	< 10	< 10
Acetone	NE[3]	< 20	< 20	< 40	< 20	**28**	< 20	< 20
Benzene	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Bromodichloromethane	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Bromoform	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Bromomethane (Methyl bromide)	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Carbon disulfide	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Carbon tetrachloride	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Chlorobenzene	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Chloroethane	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Chloroform	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Chloromethane (Methyl chloride)	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
cis-1,2-Dichloroethene	70	< 5.0	< 5	< 10	**53**	**9.1**	< 5	**14**
cis-1,3-Dichloropropene	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Cyclohexane	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Dibromochloromethane	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Dichlorodifluoromethane	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Ethylbenzene	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Isopropylbenzene	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Methyl acetate	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Methyl tertiary butyl ether (MTBE)	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Methylcyclohexane	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Methylene chloride	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Styrene	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Tetrachloroethene	5.0	**6.5**	**420**	**330**	**180**	**61**	**76**	**200**
Toluene	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Trichloroethene	5.0	< 5.0	< 5	< 10	**47**	< 5	< 5	**6.7**
Trichlorofluoromethane	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5
Vinyl chloride	NA	< 2.0	< 2	< 4	< 2	< 2	< 2	< 2
Xylenes (total)	NA	< 5.0	< 5	< 10	< 5	< 5	< 5	< 5

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Table 4
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Remedial Investigation Phase I Report
Voluntary Cleanup Contract 07-5217-RP

Constituent	MCL[1]	200 National Avenue						
		B-13(30)	B-14(30)	B-15(14)	B-16(14)	B-17(24)	B-18(29)	B-19(16)
		02-Oct-08	03-Oct-08	03-Oct-08	03-Oct-08	03-Oct-08	01-Oct-08	03-Oct-08
1,1,1-Trichloroethane	NA[2]	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
1,1,2,2-Tetrachloroethane	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
1,1,2-Trichloroethane	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
1,1-Dichloroethane	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
1,1-Dichloroethene	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
1,2,4-Trichlorobenzene	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
1,2-Dibromo-3-chloropropane (DBCP)	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
1,2-Dibromoethane (EDB)	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
1,2-Dichlorobenzene	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
1,2-Dichloroethane	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
1,2-Dichloropropane	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
1,3-Dichlorobenzene	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
1,4-Dichlorobenzene	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
2-Butanone (MEK)	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	NE[3]	**32**	< 20	< 20	< 20	< 20	< 20	< 20
Benzene	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Bromodichloromethane	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Bromoform	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Bromomethane (Methyl bromide)	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Carbon disulfide	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Carbon tetrachloride	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Chlorobenzene	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Chloroethane	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Chloroform	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Chloromethane (Methyl chloride)	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
cis-1,2-Dichloroethene	70	**5.9**	**6.6**	< 5.0	< 5.0	< 5.0	< 5	< 5.0
cis-1,3-Dichloropropene	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Cyclohexane	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Dibromochloromethane	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Dichlorodifluoromethane	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Ethylbenzene	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Isopropylbenzene	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Methyl acetate	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Methyl tertiary butyl ether (MTBE)	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Methylcyclohexane	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Methylene chloride	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Styrene	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Tetrachloroethene	5.0	**21**	**110**	**6.3**	< 5.0	**17**	**290**	**8.1**
Toluene	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
trans-1,2-Dichloroethene	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
trans-1,3-Dichloropropene	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Trichloroethene	5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Trichlorofluoromethane	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0
Vinyl chloride	NA	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2.0
Xylenes (total)	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0

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Table 4
Summary of Organic Constituents in Groundwater / Surface Water Samples
Remedial Investigation Phase I Report
Voluntary Cleanup Contract 07-5217-RP

Constituent	MCL[1]	200 National Avenue				
		B-20(34)	B-21(30)	IB-1	SW-2	SW-3
		06-Oct-08	06-Oct-08	18-Nov-08	18-Nov-08	18-Nov-08
1,1,1-Trichloroethane	NA[2]	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trichlorobenzene	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dibromo-3-chloropropane (DBCP)	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dibromoethane (EDB)	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichlorobenzene	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3-Dichlorobenzene	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-Dichlorobenzene	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone (MEK)	NA	< 10	< 10	< 10	< 10	< 10
2-Hexanone	NA	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	NA	< 10	< 10	< 10	< 10	< 10
Acetone	NE[3]	< 20	< 20	< 20	< 20	< 20
Benzene	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromodichloromethane	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane (Methyl bromide)	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon disulfide	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon tetrachloride	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane (Methyl chloride)	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	70	**16**	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Cyclohexane	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Dibromochloromethane	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Dichlorodifluoromethane	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Isopropylbenzene	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl acetate	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl tertiary butyl ether (MTBE)	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylcyclohexane	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylene chloride	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	5.0	**16**	**9.2**	< 5.0	< 5.0	< 5.0
Toluene	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	5.0	**16**	< 5.0	**27**	< 5.0	< 5.0
Trichlorofluoromethane	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl chloride	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Xylenes (total)	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

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Table 4
Summary of Organic Constituents in Groundwater / Surface Water Samples
Remedial Investigation Phase I Report
Voluntary Cleanup Contract 07-5217-RP

NOTES:

[1] Maximum Contaminant Level (MCL), regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites, RSL Table Update, USEPA, September 2008.

[2] Contaminant not detected in groundwater samples; screening level Not Applicable (NA).

[3] MCL Not Established (NE).

- Concentrations reported in µg/L.
- Bold concentrations indicate contaminant detected in sample above Practical Quantitation Limit (PQL).
- Shaded concentrations indicate contaminant detected in sample above MCL.

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Table 5
Summary of Inorganic Constituents in Groundwater / Surface Water Samples
Remedial Investigation Phase I Report
Voluntary Cleanup Contract 07-5217-RP

Constituent	MCL[1]	280 National Avenue		200 National Avenue								
		B-2(42)	B-4(39)	B-7(46)	B-7(46)A	B-9(30)	B-10(30)	B-11(43)	B-12(51)	B-13(30)	B-15(14)	B-16(14)
		8-Oct-08	8-Oct-08	2-Oct-08	2-Oct-08	2-Oct-08	1-Oct-08	2-Oct-08	2-Oct-08	2-Oct-08	3-Oct-08	3-Oct-08
Aluminum	NE[2]	**210**	**230**	**320**	**110**	**340**	**1,000**	**93**	**170**	**15**	**1,400**	**1,400**
Antimony	0.006	*< 0.050*	*< 0.050*	*< 0.02*	*< 0.01*	*< 0.01*	*< 0.05*	*< 0.01*	*< 0.01*	*< 0.01*	*< 0.050*	*< 0.050*
Arsenic	0.010	*< 0.050*	*< 0.010*	*< 0.02*	*< 0.01*	*< 0.01*	*< 0.05*	*< 0.01*	*< 0.01*	*< 0.01*	**0.030**	**0.027**
Barium	2	**16**	**4.2**	**20**	**2.6**	**19**	**26**	**4.2**	**3**	**0.45**	**36**	**15**
Beryllium	0.004	*< 0.020*	**0.013**	**0.031**	**0.0066**	**0.0094**	**0.061**	**0.01**	*< 0.008*	*< 0.004*	**0.040**	**0.045**
Cadmium	0.005	*< 0.010*	*< 0.010*	*< 0.004*	*< 0.002*	*< 0.002*	*< 0.01*	*< 0.002*	*< 0.002*	*< 0.002*	*< 0.010*	*< 0.010*
Calcium	NE	*< 25*	**44**	**65**	**7.1**	**7.5**	**40**	**9.5**	**6**	*< 5*	**20**	**40**
Chromium	0.1	**0.27**	**1.4**	**0.37**	**0.12**	**0.096**	**0.98**	**0.17**	**0.67**	**0.052**	**1.2**	**0.67**
Cobalt	NE	**0.21**	**0.25**	**0.39**	**0.059**	**0.17**	**3.4**	**0.1**	**0.18**	**0.032**	**1.2**	**0.29**
Copper	1.3	**0.31**	**0.37**	**0.51**	**0.13**	**0.26**	**0.77**	**0.071**	**0.31**	**0.035**	**0.96**	**0.83**
Iron	NE	**100**	**450**	**250**	**65**	**75**	**930**	**51**	**180**	**24**	**320**	**320**
Lead	0.015	**0.16**	**0.10**	**0.21**	**0.091**	**0.16**	**0.43**	**0.078**	**0.13**	**0.015**	**0.31**	**0.24**
Magnesium	NE	**32**	**140**	**77**	**16**	**17**	**210**	**8.3**	**24**	*< 5*	**57**	**78**
Manganese	NE	**12**	**10**	**16**	**2.3**	**7.1**	**86**	**4.4**	**5.7**	**1.2**	**25**	**20**
Mercury	0.002	*< 0.00010*	*< 0.00010*	*< 0.0001*	*< 0.0001*	*< 0.0001*	*< 0.0001*	*< 0.0001*	*< 0.0001*	*< 0.0001*	*< 0.00010*	*< 0.00010*
Nickel	NE	**0.22**	**0.49**	**0.24**	**0.088**	**0.2**	**0.65**	**0.078**	**0.27**	*< 0.04*	**0.32**	**0.28**
Potassium	NE	**49**	**110**	**74**	**16**	**23**	**190**	**9.1**	**25**	**6.1**	**81**	**98**
Selenium	NA[3]	*< 0.050*	*< 0.050*	*< 0.02*	*< 0.01*	*< 0.01*	*< 0.05*	*< 0.01*	*< 0.01*	*< 0.01*	*< 0.050*	*< 0.050*
Silver	NE	*< 0.020*	*< 0.020*	**0.015**	**0.016**	**0.017**	**0.045**	**0.013**	**0.036**	*< 0.005*	*< 0.020*	*< 0.020*
Sodium	NA	*< 25*	*< 25*	*< 10*	*< 5*	*< 5*	*< 25*	*< 5*	*< 5*	*< 5*	*< 25*	*< 25*
Thallium	0.002	*< 0.25*	*< 0.25*	*< 0.1*	*< 0.05*	*< 0.05*	*< 0.25*	*< 0.05*	*< 0.05*	*< 0.05*	*< 0.25*	*< 0.25*
Vanadium	NE	*< 0.25*	**1.0**	**0.76**	**0.2**	**0.17**	**1.9**	**0.16**	**0.33**	**0.058**	**0.79**	**0.81**
Zinc	NE	**0.54**	**1.7**	**0.69**	**0.19**	**0.86**	**2.8**	**0.17**	**0.84**	**0.077**	**0.82**	**0.95**

NOTES:

[1] Maximum Contaminant Level (MCL), Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites, RSL Table Update, USEPA, September 2008.

[2] MCL Not Established (NE).

[3] Contaminant not detected in groundwater samples; MCL Not Applicable (NA).

- Concentrations reported in mg/L.
- Bold concentrations indicate contaminant detected in sample above Practical Quantitation Limt (PQL).
- Shaded concentrations indicate contaminant detected in sample above MCL.

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Table 5
Summary of Inorganic Constituents in Groundwater / Surface Water Samples
Remedial Investigation Phase I Report
Voluntary Cleanup Contract 07-5217-RP

Constituent	MCL[1]	200 National Avenue					
		B-19(16)	B-20(34)	B-21(30)	IB-1	SW-2	SW-3
		3-Oct-08	6-Oct-08	6-Oct-08	18-Nov-08	18-Nov-08	18-Nov-08
Aluminum	NE[2]	**790**	**160**	**1,600**	*< 0.20*	**0.24**	*< 0.20*
Antimony	0.006	*< 0.010*	*< 0.050*	*< 0.050*	*< 0.010*	*< 0.010*	*< 0.010*
Arsenic	0.010	**0.019**	*< 0.050*	*< 0.050*	*< 0.010*	*< 0.010*	*< 0.010*
Barium	2	**11**	**24**	**45**	*< 0.020*	**0.028**	**0.048**
Beryllium	0.004	**0.035**	*< 0.020*	**0.075**	*< 0.0040*	*< 0.0040*	*< 0.0040*
Cadmium	0.005	**0.0020**	*< 0.010*	*< 0.010*	*< 0.0020*	*< 0.0020*	*< 0.0020*
Calcium	NE	**13**	*< 25*	**58**	**11**	*< 5.0*	*< 5.0*
Chromium	0.1	**0.34**	**0.34**	**2.8**	*< 0.0050*	*< 0.0050*	*< 0.0050*
Cobalt	NE	**0.16**	**1.8**	**5.1**	*< 0.020*	*< 0.020*	*< 0.020*
Copper	1.3	**0.47**	**0.33**	**2.0**	**0.0080**	*< 0.0050*	*< 0.0050*
Iron	NE	**78**	**170**	**850**	**0.25**	**5.9**	**3.5**
Lead	0.015	**0.21**	**0.34**	**1.0**	*< 0.010*	*< 0.010*	*< 0.010*
Magnesium	NE	**20**	**30**	**150**	*< 5.0*	*< 5.0*	*< 5.0*
Manganese	NE	**15**	**33**	**82**	*< 0.015*	**0.062**	**0.070**
Mercury	0.002	*< 0.00010*	**0.00012**	**0.00038**	*< 0.00010*	*< 0.00010*	*< 0.00010*
Nickel	NE	**0.13**	*< 0.20*	**1.3**	*< 0.040*	*< 0.040*	*< 0.040*
Potassium	NE	**26**	**46**	**200**	**6.0**	*< 5.0*	*< 5.0*
Selenium	NA[3]	*< 0.010*	*< 0.050*	*< 0.050*	*< 0.010*	*< 0.010*	*< 0.010*
Silver	NE	*< 0.0050*	*< 0.020*	*< 0.020*	*< 0.0050*	*< 0.0050*	*< 0.0050*
Sodium	NA	*< 25*	*< 25*	*< 25*	*< 5.0*	*< 5.0*	*< 5.0*
Thallium	0.002	*< 0.050*	*< 0.25*	*< 0.25*	*< 0.050*	*< 0.050*	*< 0.050*
Vanadium	NE	**0.21**	**0.36**	**1.5**	*< 0.050*	*< 0.050*	*< 0.050*
Zinc	NE	**0.45**	**0.76**	**4.9**	**0.048**	*< 0.020*	**0.027**

NOTES:

[1] Maximum Contaminant Level (MCL), Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites, RSL Table Update, USEPA, September 2008.

[2] MCL Not Established (NE).

[3] Contaminant not detected in groundwater samples; MCL Not Applicable (NA).

- Concentrations reported in mg/L.
- Bold concentrations indicate contaminant detected in sample above Practical Quantitation Limt (PQL).
- Shaded concentrations indicate contaminant detected in sample above MCL.

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Table 6
Summary of XRF Soil Screening Data
Remedial Investigation Phase I Report
Voluntary Cleanup Contract 07-5217-RP

		Constituent													
Boring Location	Sample Depth	As	Cd	Cr	Cu	Fe	Hg	Mn	Mo	Nb	Ni	Pb	Sn	Ti	Zn
B-09	0-2.5	<10	<50	<10	<10	52044	<10	<10	<10	NA	<10	38	<50	5578	43
B-09	2.5-5	<10	<50	<10	<10	55363	<10	<10	<10	NA	<10	30	<50	5136	<10
B-09	5-7.5	<10	<50	<10	<10	45556	<10	359	<10	NA	<10	27	<50	7279	78
B-09	7.5-10	<10	<50	<10	<10	44819	<10	<10	<10	NA	<10	<10	<50	5289	<10
B-09	10-12.5	<10	<50	<10	<10	48301	<10	<10	<10	NA	<10	26	<50	<10	45
B-09	12.5-15	<10	<50	<10	59	73429	<10	738	<10	NA	<10	<10	<50	7984	124
B-09	15-17.5	<10	<50	<10	47	64762	<10	541	<10	NA	110	<10	<50	6684	91
B-09	17.5-20	<10	<50	<10	<10	111300	<10	<10	<10	NA	<10	<10	<50	14508	49
B-09	20-22.5	<10	<50	<10	<10	26917	<10	<10	<10	NA	85	<10	<50	2800	43
B-09	22.5-25	<10	<50	<10	<10	70634	<10	1354	<10	NA	129	<10	<50	4748	89
B-09	25-27.5	<10	<50	<10	50	38660	<10	697	<10	NA	<10	<10	<50	4028	102
B-09	27.5-30	<10	<50	<10	<10	14508	<10	257	<10	NA	<10	<10	<50	<10	56
B-11	0-2.5	<10	<50	<10	<10	36692	<10	<10	<10	NA	106	33	<50	4650	45
B-11	2.5-5	<10	<50	<10	<10	90962	<10	890	<10	NA	210	60	<50	11191	110
B-11	5-7.5	<10	<50	<10	54	57832	<10	554	<10	NA	<10	28	<50	10607	86
B-11	7.5-10	<10	<50	<10	51	65389	<10	1206	<10	NA	144	<10	<50	10840	131
B-11	10-12.5	<10	<50	<10	<10	31831	<10	2027	<10	NA	<10	82	<50	3845	99
B-11	12.5-15	<10	<50	<10	<10	49431	<10	901	<10	NA	96	27	<50	9983	72
B-11	15-17.5	<10	<50	<10	<10	91934	<10	1174	<10	NA	146	<10	<50	17538	184
B-11	17.5-20	<10	<50	<10	56	53344	<10	585	<10	NA	155	<10	<50	7079	172
B-11	20-22.5	<10	<50	<10	61	43829	<10	1057	<10	NA	129	26	<50	7225	128
B-11	22.5-25	<10	<50	<10	49	55190	<10	1908	<10	NA	190	<10	<50	4228	86
B-11	25-27.5	<10	<50	<10	50	49424	<10	836	<10	NA	190	<10	<50	5407	79
B-11	27.5-30	<10	<50	<10	<10	48588	<10	594	<10	NA	123	<10	<50	6824	80
B-12	0-2.5	<10	<50	<10	55	62208	<10	495	<10	NA	<10	37	<50	7042	92
B-12	2.5-5	<10	<50	<10	<10	46743	<10	463	<10	NA	112	<10	<50	6677	67
B-12	5-7.5	<10	<50	<10	59	64161	<10	<10	<10	NA	<10	44	<50	8879	56
B-12	7.5-10	<10	<50	<10	<10	74924	<10	<10	<10	NA	149	52	<50	10241	130
B-12	10-12.5	<10	<50	<10	52	50622	<10	720	<10	NA	<10	42	<50	5664	98
B-12	12.5-15	<10	<50	<10	60	39429	<10	3305	<10	NA	110	49	<50	3523	138
B-12	15-17.5	<10	<50	<10	<10	18426	<10	1145	<10	NA	82	<10	<50	<10	72

NOTES:

- Sample depth measured in feet below ground surface.
- Concentrations reported in mg/L.

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Table 6
Summary of XRF Soil Screening Data
Remedial Investigation Phase I Report
Voluntary Cleanup Contract 07-5217-RP

		Constituent													
Boring Location	Sample Depth	As	Cd	Cr	Cu	Fe	Hg	Mn	Mo	Nb	Ni	Pb	Sn	Ti	Zn
B-12	17.5-20	<10	<50	<10	<10	33678	<10	453	<10	NA	108	<10	<50	4585	162
B-12	20-22.5	<10	<50	<10	<10	44888	<10	1924	<10	NA	129	40	<50	5429	150
B-12	22.5-25	<10	<50	<10	64	47629	<10	974	<10	NA	187	<10	<50	9132	136
B-12	25-27.5	<10	<50	<10	41	32582	<10	414	<10	NA	117	<10	<50	4140	64
B-12	27.5-30	<10	<50	<10	<10	58699	<10	957	<10	NA	178	<10	<50	9893	172
B-15	0-2.5	<10	<50	<10	<10	53756	<10	465	<10	NA	<10	<10	<50	3783	54
B-15	2.5-5	<10	<50	<10	<10	87190	<10	1648	<10	NA	<10	<10	<50	5545	62
B-15	5-7.5	<10	<50	<10	<10	63899	<10	2447	<10	NA	<10	<10	<50	3914	79
B-15	7.5-10	<10	<50	<10	<10	43545	<10	600	<10	NA	98	<10	<50	3644	79
B-15	10-12.5	<10	<50	<10	<10	37600	<10	922	<10	NA	<10	<10	<50	4102	95
B-16	0-2.5	<10	<50	<10	<10	23535	<10	<10	<10	NA	<10	<10	<50	3754	62
B-16	2.5-5	<10	<50	<10	<10	119943	<10	780	<10	NA	<10	32	<50	6496	79
B-16	5-7.5	<10	<50	<10	<10	64271	<10	535	<10	NA	<10	<10	<50	7655	81
B-16	7.5-10	<10	<50	<10	58	45275	<10	940	<10	NA	151	29	<50	5244	79
B-16	10-12.5	<10	<50	<10	<10	46119	<10	779	<10	NA	<10	<10	211	3816	78
B-16	12.5-15	<10	<50	<10	<10	73928	<10	1285	<10	NA	<10	<10	<50	6462	97
B-19	0-2.5	<10	<50	<10	74	18363	<10	<10	<10	NA	<10	53	<50	4117	125
B-19	2.5-5	<10	<50	<10	<10	54732	<10	405	<10	NA	104	31	<50	4522	121
B-19	5-7.5	<10	<50	<10	<10	80226	<10	<10	<10	NA	152	<10	<50	3613	94
B-19	7.5-10	<10	<50	<10	<10	44286	<10	909	<10	NA	<10	<10	<50	<10	75
B-19	10-12.5	<10	<50	<10	<10	52275	<10	825	<10	NA	<10	<10	<50	4439	114
B-19	12.5-15	<10	<50	<10	<10	65456	<10	727	<10	NA	<10	48	<50	6916	111

NOTES:

- Sample depth measured in feet below ground surface.
- Concentrations reported in mg/L.