RESPONSE PLAN
FORMER SOUTHLAND STEEL PROPERTY

TABLES

TABLE 1: SUMMARY OF ANALYTICAL RESULTS FOR SEMI-VOLATILE ORGANICS AND PAH - SOIL - EPA Method 8270

Boring ID	Sample Depth (feet)	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b) fluoranthene	Benzo(ghi) perylene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d) pyrene	Naphthalene	Phenanthrene	Pyrene	BaP-equivalent
			µg/kg (micrograms per kilogram)																mg/kg
Industrial RSLs *:			3.30E+07	1.00E+07	1.00E+08	2.10E+03	2.10E+02	2.10E+03	1.00E+07	2.10E+03	2.10E+05	2.10E+02	2.20E+07	2.20E+07	2.10E+03	1.80E+04	1.00E+07	1.00E+07	0.16
B3	5	11/20/04	**460**	< 333	**410**	12500	16500	14600	**9250**	11500	**19500**	4560	**9770**	< 333	8760	< 333	**2030**	**15800**	22.981
B3	10	11/20/04	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	
B3	15	11/20/04	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	
B4	5	11/20/04	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	
B4	10	11/20/04	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	
B4	15	11/20/04	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	
B5	5	11/20/04	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	
B5	10	11/20/04	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	
B5	15	11/20/04	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	
B6	5	11/20/04	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	
B6	10	11/20/04	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	
B6	15	11/20/04	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	
B8	5	11/20/04	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	
B8	10	11/20/04	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	
B8	15	11/20/04	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	< 333	
B3D	5	12/13/04	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 20	< 10	< 10	< 20	< 10	< 10	< 10	
B3E	5	12/13/04	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 20	< 10	< 10	< 20	< 10	< 10	< 10	
B3F	5	12/13/04	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 20	< 10	< 10	< 20	< 10	< 10	< 10	
B3G	2	12/13/04	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 20	< 10	< 10	< 20	< 10	< 10	< 10	
B3H	2	12/13/04	**89**	< 10	< 10	< 10	**158**	< 10	< 20	< 10	**74**	< 20	< 10	< 10	< 20	< 10	< 10	< 10	**0.159**
CY3	2	01/28/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
CY4	2	02/02/05	< 5	< 5	< 5	< 5	1439	3137	**88**	< 5	**1206**	< 10	**961**	< 5	< 10	< 5	**130**	**1273**	1.765
CY5	2	02/02/05	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 10	< 5	< 5	< 10	< 5	< 5	< 5	
CY6	2	02/02/05	< 5	< 5	< 5	< 5	314	**208**	**20**	< 5	**300**	< 10	**286**	< 5	< 10	< 5	**74**	**308**	0.338
CY11	5	07/19/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
CY12	2	07/16/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
CY12	5	07/16/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
CY13	2	07/16/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
CY13	5	07/16/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
CY14	2	07/10/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
CY15	2	07/16/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
CY16	2	07/10/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	

TABLE 1 (CONT'): SUMMARY OF ANALYTICAL RESULTS FOR SEMI-VOLATILE ORGANICS AND PAH - SOIL - EPA Method 8270

Boring ID	Sample Depth (feet)	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b) fluoranthene	Benzo(ghi) perylene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d) pyrene	Naphthalene	Phenanthrene	Pyrene	BaP-equivalent
			µg/kg (micrograms per kilogram)																mg/kg
Industrial RSLs *:			3.30E+07	1.00E+07	1.00E+08	2.10E+03	2.10E+02	2.10E+03	1.00E+07	2.10E+03	2.10E+05	2.10E+02	2.20E+07	2.20E+07	2.10E+03	1.80E+04	1.00E+07	1.00E+07	0.16
CY21	2	07/19/07	< 10	< 10	**42**	**12**	**41**	**50**	< 10	**47**	**27**	< 10	**68**	< 10	< 10	< 10	**60**	**79**	**0.052**
CY21	5	07/19/07	< 10	< 10	**25**	**40**	**32**	**43**	< 10	**41**	**36**	< 10	**36**	< 10	< 10	< 10	**34**	**59**	**0.045**
CY23	5	03/13/08	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
CY24	10	04/08/08	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
CY26	2	08/25/09	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
CY26	5	08/25/09	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
CY26	10	08/25/09	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
CY26	15	08/25/09	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
CY26	20	08/25/09	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
NY1	2	01/29/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
NY2	2	01/29/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
NY3	2	07/11/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
NY4	2	07/11/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
RR1	2	07/19/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
RR1	5	07/19/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
RR2	2	07/19/07	< 10	< 10	**28**	**76**	**165**	**192**	**468**	**178**	**64**	448	**41**	< 10	**442**	**42**	**30**	**44**	0.407
RR2	5	07/19/07	< 10	< 10	< 10	< 10	**21**	< 10	< 10	< 10	**16**	< 10	< 10	< 10	< 10	< 10	< 10	**14**	**0.021**
RR3	2	07/19/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
RR3	5	07/19/07	**25**	**47**	**84**	**98**	**150**	**94**	**44**	**91**	**87**	< 10	**121**	< 10	< 10	**42**	**208**	**182**	0.179
RR4	5	07/19/07	< 10	**13**	**27**	< 10	**95**	**103**	< 10	**112**	**17**	< 10	**66**	< 10	< 10	**12**	**53**	**77**	**0.117**
RR4	8	07/19/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
RR5	2	07/19/07	< 10	< 10	**19**	**72**	**68**	**52**	**123**	**54**	**83**	< 10	**27**	< 10	**117**	**27**	**25**	**36**	**0.098**
RR5	5	07/19/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
RR6	2	07/19/07	< 10	< 10	**33**	**104**	**48**	**60**	**172**	**56**	**92**	< 10	**65**	< 10	**140**	**30**	**41**	**72**	**0.085**
RR6	5	07/19/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
RR7	2	07/19/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
RR7	5	07/19/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
RR8	2	07/19/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
RR8	5	07/19/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
RR9	2	07/19/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
RR9	5	07/19/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
SY5	2	02/02/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	

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Boring ID	Sample Depth (feet)	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b) fluoranthene	Benzo(ghi) perylene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d) pyrene	Naphthalene	Phenanthrene	Pyrene	BaP-equivalent
			µg/kg (micrograms per kilogram)																mg/kg
Industrial RSLs *:			3.30E+07	1.00E+07	1.00E+08	2.10E+03	2.10E+02	2.10E+03	1.00E+07	2.10E+03	2.10E+05	2.10E+02	2.20E+07	2.20E+07	2.10E+03	1.80E+04	1.00E+07	1.00E+07	0.16
SY10	2	07/16/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
SY11	2	07/11/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
SY12	2	07/16/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
SY13	2	07/11/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
SY14	2	07/11/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
WB1-1	2	02/04/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB1-2	2	02/04/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB1-3	2	02/04/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB1-4	2	02/04/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB1-5	2	02/04/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB2-1	2	02/02/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB2-2	2	02/02/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB2-3	2	02/02/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB2-4	2	02/02/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB2-5	2	02/02/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	**569**	< 250	**301**	< 250	< 250	< 250	< 250	**416**	**0.006**
WB2-6	2	02/02/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB2-7	2	02/02/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB2-8	2	02/02/05	< 5	< 5	< 5	< 5	**99**	**90**	< 10	< 5	**95**	< 10	**85**	< 5	< 10	< 5	**20**	**110**	**0.109**
WB2-9	2	02/02/05	< 250	< 250	< 250	< 250	584	**510**		< 250	**749**	< 250	**516**	< 250	< 250	< 250	< 250	**630**	0.642
WB2-10	2	02/02/05	< 5	< 5	< 5	< 5	**120**	**111**	< 10	< 5	**99**	< 10	**93**	< 5	< 10	< 5	**31**	**124**	**0.132**
WB2-11	2	02/02/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB2-12	2	02/02/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB2-13	2	02/02/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB2-14	2	02/02/05	< 250	< 250	< 250	< 250	1492	**1265**		< 250	**1422**	< 250	**906**	< 250	< 250	< 250	< 250	**1587**	1.633
WB2-15	5	02/02/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB2-16	5	07/10/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
WB2-17	2	07/11/07	< 10	< 10	**12**	**27**	**41**	**22**	**20**	**25**	**92**	**16**	**133**	< 10	**13**	< 10	**135**	**146**	**0.056**
WB2-17	5	07/11/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
WB2-18	2	07/11/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
WB2-19	2	07/11/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
WB2-20	5	07/16/07	< 10	< 10	< 10	< 10	**13**	< 10	**12**	< 10	**15**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**0.013**
WB2-21	2	07/16/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	

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Boring ID	Sample Depth (feet)	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b) fluoranthene	Benzo(ghi) perylene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d) pyrene	Naphthalene	Phenanthrene	Pyrene	BaP-equivalent
			µg/kg (micrograms per kilogram)																mg/kg
Industrial RSLs *:			3.30E+07	1.00E+07	1.00E+08	2.10E+03	2.10E+02	2.10E+03	1.00E+07	2.10E+03	2.10E+05	2.10E+02	2.20E+07	2.20E+07	2.10E+03	1.80E+04	1.00E+07	1.00E+07	0.16
WB2-21	5	07/16/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
WB2-29	2	07/11/07	< 10	< 10	< 10	**31**	**14**	**15**	< 10	**19**	**35**	< 10	**37**	< 10	**11**	< 10	< 10	**42**	**0.022**
WB2-29	5	07/11/07	< 10	< 10	< 10	**37**	**21**	**20**	**12**	**24**	**50**	**11**	**43**	< 10	**16**	< 10	< 10	**56**	**0.035**
WB2-33	2	07/19/07	< 10	< 10	**16**	**50**	**30**	**38**	< 10	**32**	**47**	< 10	**30**	< 10	< 10	< 10	**20**	**41**	**0.042**
WB2-33	5	07/19/07	**25**	**59**	**117**	**183**	**116**	**123**	**452**	**118**	**162**	< 10	**106**	**23**	< 10	**35**	**63**	**188**	0.160
WB2-34	2	07/19/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
WB2-34	5	07/19/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
WB2-42	10	04/08/08	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
WB3-2	2	01/28/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB3-3	2	01/28/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB3-4	2	01/29/05	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 10	< 5	< 5	< 10	< 5	< 5	< 5	
WB3-8	10	01/29/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB3-9	2	01/29/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB3-12	2	01/29/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB3-13	2	01/29/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB3-14	2	01/29/05	< 250	< 250	< 250	< 250	< 250	< 250		< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	
WB3-24	5	07/11/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**12**	< 10	**11**	< 10	< 10	< 10	< 10	**14**	**0.000**
WB3-24	10	07/11/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
WB3-24	15	07/11/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
WB3-24	20	07/11/07	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	

Notes:
PAH – polyaromatic hydrocarbon
"<" – non-detect; non-detect analytes are reported as less than the reporting limit (RL).
Where cells are blank, no analysis was performed for those parameters.
White value indicates concentration is in excess of the Screening Level for that analyte.

* RSL – Regional Screening Levels (November 2010) from EPA Region 9
BaP – calculations made using Cal/EPA recommended potency equivalency factors (2009)
µg/kg – micrograms per kilogram
mg/kg – milligrams per kilogram

TABLE 2: SUMMARY OF ANALYTICAL RESULTS FOR HEAVY METALS - SOIL - EPA Method 6010B

Sample ID	Depth (feet)	Sample Date	Antimony	Arsenic	Barium	Berryllium	Cadmium	Chromium	Hex-Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			mg/kg (milligrams per kilogram)																	
Industrial Screening Levels *:			3.80E+02	1.20E+01	63000.0	1.90E+02	7.50E+00	100000.0	3.70E+01	3200.0	38000.0	320.0	1.80E+02	4.80E+03	16000.0	4.80E+03	4.80E+03	6.30E+01	6700.0	100000.0
Central Yard																				
B3	5	11/20/04	11.30	9.56	88.2	0.27	1.30	22.4		10.9	56.5	37.3	<0.14	0.83	25.3	<1.0	<0.5	<1.0	37.0	91.9
B3	10	11/20/04	<3.0	<1.0	41.9	0.25	<0.5	6.6		4.5	4.4	1.4	<0.14	0.46	3.7	<1.0	<0.5	<1.0	23.6	18.3
B3	15	11/20/04	1.54	<1.0	139.0	0.89	0.16	21.3		12.7	20.4	5.7	<0.14	1.10	13.7	<1.0	<0.5	<1.0	51.6	65.9
B3A	2	12/10/04	<5.0	<5.0	18.0	<0.5	<0.5	6.0		<5.0	3.0	3.0	<0.1	<5.0	5.0	<1.0	<1.0	<5.0	6.0	15.0
B3B	2	12/10/04	8.00	15.00	50.0	<0.5	3.20	20.0		9.0	57.0	39.0	<0.1	<5.0	29.0	<1.0	<1.0	<5.0	46.0	77.0
B3C	2	12/10/04	6.00	<5.0	62.0	<0.5	2.00	22.0		5.0	57.0	119.0	<0.1	<5.0	26.0	<1.0	<1.0	<5.0	13.0	66.0
B3D	2	12/10/04	<5.0	<5.0	96.0	<0.5	<0.5	14.0		8.0	11.0	<1.0	<0.1	<5.0	8.0	<1.0	<1.0	<5.0	25.0	44.0
B3D	5	12/13/04	<5.0	5.00	103.0	<0.5	<0.5	17.0		9.0	14.0	<1.0	<0.1	<5.0	10.0	<1.0	<1.0	<5.0	24.0	51.0
B3E	2	12/10/04	16.00	26.00	45.0	<0.5	8.70	63.0		15.0	325.0	26.0	<0.1	<5.0	52.0	<1.0	<1.0	19.00	34.0	145.0
B3E	5	12/13/04	<5.0	<5.0	82.0	<0.5	<0.5	12.0		7.0	8.0	<1.0	<0.1	<5.0	7.0	<1.0	<1.0	<5.0	20.0	37.0
B3F	2	12/10/04	<5.0	<5.0	15.0	<0.5	<0.5	6.0		<5.0	5.0	8.0	<0.1	<5.0	<5.0	<1.0	<1.0	<5.0	5.0	49.0
B3F	5	12/13/04	<5.0	<5.0	84.0	<0.5	<0.5	13.0		7.0	7.0	<1.0	<0.1	<5.0	7.0	<1.0	<1.0	<5.0	19.0	37.0
B3G	2	12/13/04	<5.0	<5.0	107.0	<0.5	<0.5	15.0		9.0	14.0	<1.0	<0.1	<5.0	9.0	<1.0	<1.0	<5.0	23.0	50.0
B3H	2	12/13/04	<5.0	6.00	119.0	<0.5	<0.5	17.0		9.0	15.0	<1.0	<0.1	<5.0	11.0	<1.0	<1.0	<5.0	24.0	56.0
B13	10	11/20/04										3.5								
B13	20	11/20/04										1.6								
B13	30	11/20/04										1.4								
CY3	2	01/28/05	<5.0	<5.0	63.0	<0.5	<0.5	10.0		5.0	13.0	16.0	<0.1	<5.0	10.0	<1.0	<1.0	<5.0	18.0	42.0
CY12	2	07/16/07		<1.0			<0.5	11.0	<0.01		17.0	25.0	<0.1		9.0			<2.0		
CY13	2	07/16/07		<1.0			<0.5	13.0	<0.01		18.0	9.0	<0.1		9.0			<2.0		
CY14	2	07/10/07	<2.0	3.00	90.0	<1.0	<0.5	10.0	<0.01	7.0	11.0	5.0	<0.1	<1.0	8.0	<2.0	<1.0	<2.0	21.0	36.0
CY15	2	07/16/07		<1.0			<0.5	13.0	<0.01		21.0	27.0	<0.1		11.0			<2.0		
CY16	2	07/10/07	<2.0	<1.0	27.0	<1.0	<0.5	2.0	<0.01	2.0	6.0	8.0	<0.1	<1.0	4.0	<2.0	<1.0	<2.0	8.0	19.0
CY17	5	07/19/07		3.00			<0.5	9.0	<0.01		16.0	25.0	<0.1		6.0			<2.0		
CY21	2	07/19/07		2.00			<0.5	18.0	<0.01		55.0	99.0	<0.1		11.0			<2.0		
CY21	5	07/19/07		2.00			<0.5	15.0	<0.01		37.0	25.0	<0.1		11.0			<2.0		
CY21	10	07/19/07	<2.0	<1.0	144.0	<1.0	<0.5	15.0	<0.01	8.0	19.0	7.0	0.70	<1.0	11.0	<2.0	<1.0	<2.0	28.0	54.0

TABLE 2 (CONT'): SUMMARY OF ANALYTICAL RESULTS FOR HEAVY METALS - SOIL - EPA Method 6010B

Sample ID	Depth (feet)	Sample Date	Antimony	Arsenic	Barium	Berryllium	Cadmium	Chromium	Hex-Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			mg/kg (milligrams per kilogram)																	
Industrial Screening Levels *:			3.80E+02	1.20E+01	63000.0	1.90E+02	7.50E+00	100000.0	3.70E+01	3200.0	38000.0	320.0	1.80E+02	4.80E+03	16000.0	4.80E+03	4.80E+03	6.30E+01	6700.0	100000.0
Northern Yard																				
B6	5	11/20/04	<3.0	<1.0	116.0	0.63	0.18	19.8		10.2	20.5	7.7	<0.14	1.64	12.1	<1.0	<0.5	<1.0	40.7	63.9
B6	10	11/20/04	0.86	<1.0	122.0	0.83	0.16	18.6		11.5	17.4	4.9	<0.14	0.97	12.4	<1.0	<0.5	<1.0	45.6	50.4
B6	15	11/20/04	<3.0	<1.0	72.8	0.48	<0.5	10.5		8.8	6.8	2.7	<0.14	0.99	7.1	<1.0	<0.5	<1.0	26.6	39.4
B8	5	11/20/04	<3.0	<1.0	116.0	0.65	0.24	17.5		10.4	14.1	3.9	<0.14	1.28	12.0	<1.0	<0.5	<1.0	45.1	53.0
B8	10	11/20/04	0.94	<1.0	118.0	0.86	0.08	19.3		11.6	18.7	5.6	<0.14	1.35	12.1	<1.0	<0.5	<1.0	46.2	60.2
B8	15	11/20/04	<3.0	<1.0	93.5	0.67	0.06	16.0		9.0	13.9	4.3	<0.14	1.02	9.9	<1.0	<0.5	<1.0	37.1	48.4
NY1	2	01/29/05	<5.0	<5.0	101.0	<0.5	<0.5	14.0		8.0	18.0	3.0	<0.1	<5.0	10.0	<1.0	<1.0	<5.0	29.0	50.0
NY2	2	01/29/05	<5.0	<5.0	122.0	<0.5	<0.5	16.0		10.0	26.0	6.0	<0.1	<5.0	12.0	<1.0	<1.0	<5.0	34.0	61.0
NY3	2	07/11/07		2.00			<0.5	12.0	<0.01		18.0	8.0	<0.1		10.0			<2.0		
NY4	2	07/11/07		4.00			<0.5	18.0	<0.01		63.0	17.0	<0.1		15.0			<2.0		
NY4	5	07/12/07	<2.0	13.00	117.0	<1.0	<0.5	13.0	<0.01	8.0	15.0	<1.0	<0.1	<1.0	10.0	<2.0	<1.0	<2.0	24.0	47.0
RR																				
RR1	2	07/19/07	<2.0	<1.0	69.0	<1.0	<0.5	8.0	<0.01	5.0	14.0	18.0	<0.1	<1.0	5.0	<2.0	<1.0	<2.0	15.0	31.0
RR1	5	07/19/07	<2.0	2.00	96.0	<1.0	<0.5	11.0	<0.01	7.0	16.0	<1.0	<0.1	<1.0	7.0	<2.0	<1.0	<2.0	23.0	40.0
RR2	2	07/19/07	<2.0	2.00	57.0	<1.0	<0.5	7.0	<0.01	3.0	12.0	36.0	<0.1	<1.0	5.0	<2.0	<1.0	<2.0	12.0	60.0
RR2	5	07/19/07	<2.0	<1.0	62.0	<1.0	<0.5	7.0	<0.01	4.0	14.0	20.0	<0.1	<1.0	5.0	<2.0	<1.0	<2.0	13.0	49.0
RR3	2	07/19/07	<2.0	2.00	88.0	<1.0	<0.5	10.0	<0.01	6.0	16.0	40.0	<0.1	<1.0	7.0	<2.0	<1.0	<2.0	17.0	93.0
RR3	5	07/19/07	<2.0	4.00	119.0	<1.0	<0.5	14.0	<0.01	7.0	29.0	2.0	<0.1	<1.0	10.0	<2.0	<1.0	<2.0	23.0	81.0
RR4	5	07/19/07	<2.0	<1.0	16.0	<1.0	<0.5	4.0	<0.01	<1.0	3.0	6.0	<0.1	<1.0	3.0	<2.0	<1.0	<2.0	4.0	20.0
RR4	8	07/19/07	<2.0	2.00	24.0	<1.0	<0.5	2.0	<0.01	2.0	2.0	<1.0	<0.1	<1.0	2.0	<2.0	<1.0	<2.0	6.0	10.0
RR5	2	07/19/07	<2.0	<1.0	59.0	<1.0	<0.5	6.0	<0.01	4.0	8.0	21.0	<0.1	<1.0	6.0	<2.0	<1.0	<2.0	14.0	43.0
RR5	5	07/19/07	<2.0	2.00	95.0	<1.0	<0.5	11.0	<0.01	7.0	15.0	<1.0	<0.1	<1.0	9.0	<2.0	<1.0	<2.0	21.0	54.0
RR6	2	07/19/07	<2.0	<1.0	51.0	<1.0	<0.5	5.0	<0.01	4.0	10.0	25.0	<0.1	<1.0	6.0	<2.0	<1.0	<2.0	12.0	33.0
RR6	5	07/19/07	<2.0	<1.0	65.0	<1.0	<0.5	8.0	<0.01	5.0	10.0	<1.0	<0.1	<1.0	6.0	<2.0	<1.0	<2.0	16.0	28.0
RR7	2	07/19/07	<2.0	2.00	89.0	<1.0	<0.5	12.0	<0.01	7.0	16.0	5.0	<0.1	<1.0	9.0	<2.0	<1.0	<2.0	23.0	57.0
RR7	5	07/19/07	<2.0	2.00	115.0	<1.0	<0.5	16.0	<0.01	7.0	25.0	27.0	<0.1	<1.0	14.0	<2.0	<1.0	<2.0	29.0	422.0
RR8	2	07/19/07	<2.0	<1.0	78.0	<1.0	<0.5	10.0	<0.01	8.0	14.0	<1.0	<0.1	<1.0	9.0	<2.0	<1.0	<2.0	22.0	39.0
RR8	5	07/19/07	<2.0	2.00	85.0	<1.0	<0.5	12.0	<0.01	8.0	14.0	<1.0	<0.1	<1.0	9.0	<2.0	<1.0	<2.0	26.0	47.0
RR9	2	07/19/07	<2.0	3.00	71.0	<1.0	<0.5	13.0	<0.01	7.0	16.0	5.0	<0.1	<1.0	9.0	<2.0	<1.0	<2.0	21.0	39.0
RR9	5	07/19/07	<2.0	2.00	105.0	<1.0	<0.5	14.0	<0.01	10.0	18.0	<1.0	<0.1	<1.0	11.0	<2.0	<1.0	<2.0	30.0	51.0

TABLE 2 (CONT'): SUMMARY OF ANALYTICAL RESULTS FOR HEAVY METALS - SOIL - EPA Method 6010B

Sample ID	Depth (feet)	Sample Date	Antimony	Arsenic	Barium	Berryllium	Cadmium	Chromium	Hex-Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			mg/kg (milligrams per kilogram)																	
Industrial Screening Levels *:			3.80E+02	1.20E+01	63000.0	1.90E+02	7.50E+00	100000.0	3.70E+01	3200.0	38000.0	320.0	1.80E+02	4.80E+03	16000.0	4.80E+03	4.80E+03	6.30E+01	6700.0	100000.0
Southern Yard																				
B9	10	11/20/04										12.8								
B9	20	11/20/04										4.3								
B9	30	11/20/04										2.4								
B10	10	11/20/04										1.1								
B10	20	11/20/04										1.9								
B10	30	11/20/04										3.1								
B11	10	11/20/04										2.7								
B11	20	11/20/04										1.7								
B11	30	11/20/04										4.5								
SY5	2	02/02/05	<5.0	13.00	153.0	<0.5	<0.5	10.0		<5.0	23.0	1584.0	<0.1	<5.0	8.0	<1.0	<1.0	<5.0	21.0	109.0
SY10	2	07/16/07		<1.0			<0.5	9.0	<0.01		16.0	24.0	<0.1		6.0			<2.0		
SY11	2	07/11/07		3.00			<0.5	16.0	<0.01		139.0	614.0	0.90		7.0			<2.0		
SY11	5	07/11/07	<2.0	<1.0	40.0	<1.0	<0.5	4.0	<0.01	3.0	4.0	3.0	<0.1	<1.0	3.0	<2.0	<1.0	<2.0	8.0	18.0
SY12	2	07/16/07		<1.0			<0.5	9.0	<0.01		102.0	85.0	<0.1		13.0			<2.0		
SY12	5	07/16/07	<2.0	<1.0	98.0	<1.0	<0.5	9.0	<0.01	6.0	10.0	2.0	<0.1	<1.0	6.0	<2.0	<1.0	<2.0	19.0	35.0
SY13	2	07/11/07		2.00			<0.5	3.0	<0.01		4.0	7.0	<0.1		4.0			<2.0		
SY14	2	07/11/07		2.00			<0.5	10.0	<0.01		11.0	<1.0	<0.1		8.0			<2.0		
SY15	5	07/11/07		2.00			<0.5	12.0	<0.01		14.0	2.0	<0.1		10.0			<2.0		
SY19	2	02/13/08	<2.0	2.00	105.0	<1.0	10.00	37.0	0.18	3.0	89.0	286.0	<0.1	<1.0	23.0	<2.0	<1.0	<2.0	9.0	443.0
SY19	5	02/13/08	<2.0	<1.0	23.0	<1.0	<0.5	3.0	<0.01	2.0	3.0	2.0	<0.1	<1.0	2.0	<2.0	<1.0	<2.0	9.0	9.0
SY20	2	02/13/08	<2.0	3.00	81.0	<1.0	<0.5	7.0	<0.01	4.0	36.0	610.0	5.70	<1.0	6.0	<2.0	<1.0	<2.0	19.0	156.0
SY20	5	02/13/08	<2.0	<1.0	28.0	<1.0	<0.5	2.0	<0.01	2.0	3.0	2.0	<0.1	<1.0	2.0	<2.0	<1.0	<2.0	8.0	8.0
WB1																				
WB1-1	2	02/04/05	<5.0	<5.0	29.0	<0.5	<0.5	3.0		<5.0	3.0	2.0	<0.1	<5.0	<5.0	<1.0	<1.0	<5.0	9.0	18.0
WB1-2	2	02/04/05	<5.0	<5.0	86.0	<0.5	<0.5	13.0		5.0	11.0	3.0	<0.1	<5.0	9.0	<1.0	<1.0	<5.0	23.0	28.0
WB1-3	2	02/04/05	<5.0	<5.0	139.0	<0.5	<0.5	12.0		5.0	15.0	44.0	<0.1	<5.0	13.0	<1.0	<1.0	<5.0	22.0	97.0
WB1-4	2	02/04/05	<5.0	<5.0	15.0	<0.5	<0.5	2.0		<5.0	7.0	54.0	<0.1	<5.0	<5.0	<1.0	<1.0	<5.0	<5.0	23.0
WB1-5	2	02/04/05	<5.0	5.00	125.0	<0.5	<0.5	17.0		6.0	77.0	537.0	<0.1	<5.0	12.0	<1.0	<1.0	<5.0	29.0	195.0
WB1-6	5	07/12/07		2.00			<0.5	6.0	<0.01		8.0	23.0	<0.1		7.0			<2.0		
WB1-7	2	07/12/07		<1.0			<0.5	3.0	<0.01		5.0	58.0	<0.1		3.0			<2.0		
WB1-7	5	07/12/07		<1.0			<0.5	7.0	<0.01		13.0	4.0	<0.1		5.0			<2.0		

TABLE 2 (CONT'): SUMMARY OF ANALYTICAL RESULTS FOR HEAVY METALS - SOIL - EPA Method 6010B

Sample ID	Depth (feet)	Sample Date	Antimony	Arsenic	Barium	Berryllium	Cadmium	Chromium	Hex-Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			mg/kg (milligrams per kilogram)																	
Industrial Screening Levels *:			3.80E+02	1.20E+01	63000.0	1.90E+02	7.50E+00	100000.0	3.70E+01	3200.0	38000.0	320.0	1.80E+02	4.80E+03	16000.0	4.80E+03	4.80E+03	6.30E+01	6700.0	100000.0
WB2																				
WB2-1	2	02/02/05	<5.0	145.00	130.0	<0.5	<0.5	9.0		<5.0	11.0	135.0	<0.1	<5.0	7.0	<1.0	<1.0	<5.0	16.0	63.0
WB2-2	2	02/02/05	9.00	<5.0	167.0	<0.5	5.30	114.0		17.0	23139.0	3245.0	<0.1	16.00	2152.0	<1.0	<1.0	<5.0	6.0	3088.0
WB2-3	2	02/02/05	<5.0	<5.0	84.0	<0.5	<0.5	11.0		6.0	13.0	3.0	<0.1	<5.0	6.0	<1.0	<1.0	<5.0	21.0	302.0
WB2-4	2	02/02/05	<5.0	<5.0	69.0	<0.5	<0.5	11.0		<5.0	14.0	5.0	<0.1	<5.0	5.0	<1.0	<1.0	<5.0	13.0	33.0
WB2-5	2	02/02/05	<5.0	57.00	233.0	<0.5	<0.5	8.0		<5.0	15.0	126.0	<0.1	<5.0	5.0	<1.0	<1.0	<5.0	16.0	169.0
WB2-6	2	02/02/05	<5.0	<5.0	89.0	<0.5	<0.5	7.0		<5.0	12.0	1354.0	<0.1	<5.0	<5.0	<1.0	<1.0	<5.0	138.0	96.0
WB2-7	2	02/02/05	<5.0	<5.0	87.0	<0.5	<0.5	12.0		6.0	22.0	24.0	<0.1	<5.0	8.0	<1.0	<1.0	<5.0	21.0	268.0
WB2-9	2	02/02/05	<5.0	<5.0	111.0	<0.5	<0.5	18.0		5.0	15.0	9.0	<0.1	<5.0	14.0	<1.0	<1.0	<5.0	24.0	65.0
WB2-11	2	02/02/05	<5.0	<5.0	121.0	<0.5	<0.5	16.0		8.0	32.0	51.0	<0.1	<5.0	12.0	<1.0	<1.0	<5.0	29.0	79.0
WB2-12	2	02/02/05	<5.0	<5.0	69.0	<0.5	<0.5	22.0		5.0	31.0	23.0	<0.1	<5.0	16.0	<1.0	<1.0	<5.0	15.0	61.0
WB2-13	2	02/02/05	<5.0	<5.0	134.0	<0.5	<0.5	17.0		10.0	24.0	42.0	<0.1	<5.0	11.0	<1.0	<1.0	<5.0	34.0	94.0
WB2-14	2	02/02/05	<5.0	<5.0	104.0	<0.5	<0.5	20.0		11.0	67.0	1351.0	<0.1	<5.0	14.0	<1.0	<1.0	<5.0	10.0	552.0
WB2-15	5	02/02/05	<5.0	<5.0	76.0	<0.5	<0.5	9.0		5.0	7.0	<1.0	<0.1	<5.0	5.0	<1.0	<1.0	<5.0	20.0	32.0
WB2-16	2	07/10/07		2.00			<0.5	11.0	<0.01		20.0	20.0	<0.1		9.0			<2.0		
WB2-18	2	07/11/07		5.00			<0.5	8.0	<0.01		41.0	609.0	0.50		7.0			<2.0		
WB2-18	5	07/11/07		10.00			<0.5	11.0	<0.01		93.0	460.0	5.50		8.0			<2.0		
WB2-19	2	07/11/07		2.00			<0.5	9.0	<0.01		14.0	73.0	<0.1		8.0			<2.0		
WB2-19	5	07/13/07	<2.0	12.00	111.0	<1.0	<0.5	9.0	<0.01	5.0	12.0	26.0	<0.1	<1.0	7.0	<2.0	<1.0	<2.0	19.0	53.0
WB2-20	5	07/16/07		<1.0			<0.5	13.0	<0.01		29.0	32.0	<0.1		7.0			<2.0		
WB2-21	2	07/16/07		154.00			<0.5	9.0	<0.01		12.0	160.0	<0.1		7.0			<2.0		
WB2-21	5	07/16/07		5.00			<0.5	10.0	<0.01		11.0	3.0	<0.1		8.0			<2.0		
WB2-22	5	07/16/07		<1.0			<0.5	9.0	<0.01		13.0	19.0	<0.1		10.0			<2.0		
WB2-23	2	07/16/07		<1.0			<0.5	7.0	<0.01		12.0	627.0	<0.1		5.0			<2.0		
WB2-23	5	07/16/07		<1.0			<0.5	9.0	<0.01		4.0	8.0	<0.1		3.0			<2.0		
WB2-24	2	07/16/07		<1.0			<0.5	12.0	<0.01		32.0	435.0	0.80		9.0			<2.0		
WB2-24	5	07/16/07		5.00			<0.5	6.0	<0.01		9.0	213.0	0.50		3.0			<2.0		
WB2-24	10	07/16/07	<2.0	<1.0	34.0	<1.0	<0.5	3.0	<0.01	2.0	3.0	4.0	<0.1	<1.0	3.0	<2.0	<1.0	<2.0	7.0	14.0
WB2-25	5	07/16/07		<1.0			<0.5	9.0	<0.01		9.0	<1.0	<0.1		6.0			<2.0		
WB2-26	2	07/16/07		<1.0			<0.5	6.0	<0.01		8.0	9.0	<0.1		6.0			<2.0		
WB2-26	5	07/16/07		<1.0			<0.5	12.0	0.70		67.0	29.0	<0.1		9.0			<2.0		
WB2-29	2	07/11/07		2.00			<0.5	11.0	<0.01		131.0	46.0	<0.1		17.0			<2.0		

TABLE 2 (CONT'): SUMMARY OF ANALYTICAL RESULTS FOR HEAVY METALS - SOIL - EPA Method 6010B

Sample ID	Depth (feet)	Sample Date	Antimony	Arsenic	Barium	Berryllium	Cadmium	Chromium	Hex-Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			mg/kg (milligrams per kilogram)																	
Industrial Screening Levels *:			3.80E+02	1.20E+01	63000.0	1.90E+02	7.50E+00	100000.0	3.70E+01	3200.0	38000.0	320.0	1.80E+02	4.80E+03	16000.0	4.80E+03	4.80E+03	6.30E+01	6700.0	100000.0
WB2-29	5	07/11/07		2.00			<0.5	17.0	<0.01		282.0	42.0	<0.1		49.0			<2.0		
WB2-29	10	07/11/07	<2.0	5.00	171.0	<1.0	<0.5	19.0	<0.01	11.0	28.0	6.0	<0.1	<1.0	14.0	<2.0	<1.0	<2.0	34.0	62.0
WB2-29	15	07/12/07	<2.0	<1.0	147.0	<1.0	<0.5	16.0	<0.01	10.0	19.0	2.0	0.60	<1.0	12.0	<2.0	<1.0	<2.0	32.0	58.0
WB2-33	2	07/19/07		3.00			<0.5	14.0	<0.01		29.0	24.0	<0.1		10.0			<2.0		
WB2-33	5	07/19/07		2.00			<0.5	21.0	<0.01		58.0	64.0	<0.1		9.0			<2.0		
WB2-33	10	07/19/07	<2.0	<1.0	148.0	<1.0	<0.5	16.0	<0.01	10.0	21.0	3.0	<0.1	<1.0	11.0	<2.0	<1.0	<2.0	30.0	54.0
WB2-34	2	07/19/07		3.00			<0.5	13.0	<0.01		17.0	<1.0	<0.1		9.0			<2.0		
WB2-34	5	07/19/07		6.00			<0.5	11.0	<0.01		18.0	41.0	<0.1		9.0			<2.0		
WB2-34	10	07/19/07	<2.0	<1.0	95.0	<1.0	<0.5	10.0	<0.01	7.0	13.0	<1.0	<0.1	<1.0	8.0	<2.0	<1.0	<2.0	20.0	37.0
WB2-37	10	03/13/08	<2.0	<1.0	65.0	<1.0	<0.5	6.0	<0.01	3.0	13.0	2.0	0.40	<1.0	4.0	<2.0	<1.0	<2.0	19.0	22.0
WB3																				
B4	5	11/20/04	0.64	<1.0	94.4	0.61	0.19	14.1		8.9	10.6	3.1	<0.14	0.97	8.8	<1.0	<0.5	<1.0	37.0	44.0
B4	10	11/20/04	0.69	<1.0	101.0	0.65	0.12	15.1		9.2	13.5	4.3	<0.14	1.00	9.7	<1.0	<0.5	<1.0	38.2	48.2
B4	15	11/20/04	<3.0	<1.0	72.5	0.43	<0.5	9.4		5.7	8.8	2.8	<0.14	0.70	5.7	<1.0	<0.5	<1.0	25.1	29.0
B5	5	11/20/04	<3.0	<1.0	28.6	0.23	<0.5	6.1		3.3	3.3	1.4	<0.14	0.63	3.2	<1.0	<0.5	<1.0	17.5	23.5
B5	10	11/20/04	0.65	<1.0	131.0	0.82	0.16	29.3		10.8	23.6	5.5	<0.14	1.88	15.1	<1.0	<0.5	<1.0	44.2	67.2
B5	15	11/20/04	<3.0	<1.0	23.6	0.19	<0.5	4.9		2.6	2.3	1.1	<0.14	0.60	2.7	<1.0	<0.5	<1.0	14.6	20.7
B14	2	12/10/04	<5.0	6.00	119.0	<0.5	<0.5	16.0		9.0	19.0	6.0	<0.1	<5.0	11.0	<1.0	<1.0	<5.0	29.0	54.0
B14	5	12/10/04	<5.0	<5.0	131.0	<0.5	<0.5	17.0		10.0	15.0	<1.0	<0.1	<5.0	11.0	<1.0	<1.0	<5.0	29.0	54.0
B15	2	12/10/04	<5.0	<5.0	137.0	<0.5	<0.5	17.0		10.0	17.0	<1.0	<0.1	<5.0	12.0	<1.0	<1.0	<5.0	32.0	54.0
B15	5	12/10/04	<5.0	<5.0	133.0	<0.5	<0.5	19.0		11.0	13.0	<1.0	<0.1	<5.0	12.0	<1.0	<1.0	<5.0	30.0	58.0
B16	2	12/10/04	<5.0	5.00	137.0	<0.5	<0.5	17.0		10.0	15.0	<1.0	<0.1	<5.0	11.0	<1.0	<1.0	<5.0	27.0	51.0
B16	5	12/10/04	<5.0	6.00	134.0	<0.5	<0.5	18.0		11.0	16.0	<1.0	<0.1	<5.0	12.0	<1.0	<1.0	<5.0	29.0	55.0
B17	2	12/10/04	<5.0	6.00	128.0	<0.5	<0.5	19.0		8.0	33.0	14.0	<0.1	<5.0	11.0	<1.0	<1.0	<5.0	25.0	141.0
B17	5	12/10/04	<5.0	6.00	142.0	<0.5	<0.5	20.0		11.0	19.0	<1.0	<0.1	<5.0	13.0	<1.0	<1.0	<5.0	30.0	60.0
WB3-2	2	01/28/05	<5.0	<5.0	103.0	<0.5	<0.5	14.0		8.0	19.0	4.0	<0.1	<5.0	11.0	<1.0	<1.0	<5.0	31.0	52.0
WB3-3	2	01/28/05	<5.0	<5.0	146.0	<0.5	<0.5	9.0		6.0	45.0	91.0	<0.1	<5.0	7.0	<1.0	<1.0	<5.0	21.0	459.0
WB3-8	10	01/29/05	<5.0	<5.0	117.0	<0.5	<0.5	16.0		10.0	18.0	<1.0	<0.1	<5.0	11.0	<1.0	<1.0	<5.0	33.0	58.0
WB3-9	2	01/29/05	<5.0	<5.0	56.0	<0.5	<0.5	7.0		6.0	11.0	<1.0	<0.1	<5.0	6.0	<1.0	<1.0	<5.0	19.0	33.0
WB3-12	2	01/29/05	<5.0	<5.0	101.0	<0.5	<0.5	11.0		7.0	16.0	15.0	<0.1	<5.0	8.0	<1.0	<1.0	<5.0	26.0	64.0
WB3-13	2	01/29/05	<5.0	<5.0	102.0	<0.5	<0.5	16.0		9.0	20.0	3.0	<0.1	<5.0	11.0	<1.0	<1.0	<5.0	32.0	56.0
WB3-14	2	01/29/05	<5.0	<5.0	116.0	<0.5	<0.5	18.0		8.0	23.0	<1.0	<0.1	<5.0	13.0	<1.0	<1.0	<5.0	35.0	58.0

TABLE 2 (CONT'): SUMMARY OF ANALYTICAL RESULTS FOR HEAVY METALS - SOIL - EPA Method 6010B

Sample ID	Depth (feet)	Sample Date	Antimony	Arsenic	Barium	Berryllium	Cadmium	Chromium	Hex-Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			mg/kg (milligrams per kilogram)																	
Industrial Screening Levels *:			3.80E+02	1.20E+01	63000.0	1.90E+02	7.50E+00	100000.0	3.70E+01	3200.0	38000.0	320.0	1.80E+02	4.80E+03	16000.0	4.80E+03	4.80E+03	6.30E+01	6700.0	100000.0
WB3-22	10	07/16/07		<1.0			<0.5	10.0	<0.01		11.0	<1.0	<0.1		7.0			<2.0		
WB3-22	15	07/16/07		<1.0			<0.5	12.0	<0.01		15.0	3.0	<0.1		9.0			<2.0		
WB3-22	20	07/16/07		<1.0			<0.5	3.0	<0.01		3.0	<1.0	<0.1		2.0			<2.0		
WB3-23	10	07/16/07		<1.0			<0.5	7.0	<0.01		7.0	<1.0	<0.1		5.0			<2.0		
WB3-23	15	07/16/07		<1.0			<0.5	12.0	<0.01		14.0	6.0	<0.1		9.0			<2.0		
WB3-23	20	07/16/07		<1.0			<0.5	3.0	<0.01		3.0	<1.0	<0.1		3.0			<2.0		
WB3-24	10	07/11/07		3.00			<0.5	16.0	<0.01		20.0	<1.0	<0.1		13.0			<2.0		
WB3-24	15	07/11/07		2.00			<0.5	5.0	<0.01		5.0	3.0	<0.1		4.0			<2.0		
WB3-24	20	07/11/07		<1.0			<0.5	4.0	<0.01		4.0	2.0	<0.1		3.0			<2.0		

Notes:
"<" – non-detect; non-detect analytes are reported as less than the reporting limit (RL).
RR – Railroad
White value indicates concentration is in excess of the Screening Level for that analyte.
Where cells are blank, no analysis was done for those parameters.
* – Screening Levels are as recommended by Office of Environmental Health Hazard Assessment (OEHHA) (updated table on 09/23/10).

TABLE 3: SUMMARY OF POTENTIAL HEALTH EFFECTS

Hypothetical On-Site Commercial/Industrial Worker

Exposure Pathways	Hazard Quotient
Incidental Ingestion of Shallow Soils	1.2E+00
Dermal Contact with Shallow Soils	1.0E+00
Inhalation of Shallow Soil Volatile Emissions	1.3E-03
Inhalation of Shallow Soil Particulate Emissions	1.8E-02
Inhalation of Indoor Air	1.8E+00
Total Hazard Quotient:	**4.0E+00**

Exposure Pathways	Incremental Lifetime Cancer Risk
Incidental Ingestion of Shallow Soils	1.8E-04
Dermal Contact with Shallow Soils	7.8E-04
Inhalation of Shallow Soil Volatile Emissions	0.0E+00
Inhalation of Shallow Soil Particulate Emissions	1.1E-07
Inhalation of Indoor Air	7.5E-05
Total Incremental Lifetime Cancer Risk:	**1.0E-03**

TABLE 4: SUMMARY OF SOIL VAPOR CONCENTRATIONS OF PCE & TCE AT 5 AND 10 FOOT DEPTHS

Number	Location	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)
		5-foot Depth		10-foot Depth	
Commercial Risk-Based Screening Levels (RBSL) µg/L):		35.6	13.6	60.0	23.6
Central Yard					
1	CY1			2.3	< 0.5
2	CY2			4.1	< 0.5
3	CY3	2.5	< 0.5	3.0	< 0.5
4	CY7	5.5	< 0.5		
5	CY8	6.3	< 0.5		
6	CY9	5.9	< 0.5		
7	CY10			5.6	< 0.5
8	CY14	21.2	< 0.02		
9	CY16	16.5	< 0.02		
10	CY18	24.5	< 0.02		
11	CY20	9.3	1.6		
	CY20	13.1	2.7		
12	CY21	< 0.02	< 0.02		
	CY21	0.4	< 0.02		
Northern Yard					
1	NY1	1.7	< 0.5	5.4	< 0.5
2	NY2	8.8	< 0.5	10.9	< 0.5
3	NY3	16.3	< 0.02		
	NY3	26.6	< 0.02		
4	NY4	4.2	0.0		
RR					
1	RR1	0.1	< 0.02		
2	RR2	4.7	0.6		
3	RR3	< 0.02	< 0.02		
4	RR5	0.5	< 0.02		
5	RR6	5.1	< 0.02		
6	RR7	0.3	< 0.02		
7	RR8	2.7	< 0.02		
8	RR9	3.5	< 0.02		
Southern Yard					
1	SY1	3.3	< 0.5	2.4	< 0.1
2	SY2	1.2	< 0.5		
3	SY3	3.5	< 0.5	3.7	< 0.1
4	SY4			3.0	< 0.5
5	SY5	10.1	< 0.5		
	SY5	18.3	< 0.1	19.5	< 0.1
6	SY6	2.7	< 0.5	3.5	< 0.1
7	SY7			2.7	< 0.5
8	SY8			3.3	< 0.5
	SY8			4.9	< 0.1
9	SY9			5.1	< 0.5
10	SY13	14.1	< 0.02		
11	SY14	4.9	< 0.02		
12	SY16	3.1	< 0.02		
13	SY17	4.4	< 0.02		
WB1					
1	WB1-1	0.6	< 0.5		
2	WB1-2	4.4	< 0.5	3.8	< 0.1
3	WB1-3	3.6	< 0.5		
4	WB1-4	9.5	< 0.5	6.1	< 0.1
5	WB1-5	1.4	< 0.5	2.3	< 0.1
6	WB1-6	1.0	< 0.02		
7	WB1-9	1.4	< 0.02		

TABLE 4 (Cont'): SUMMARY OF SOIL VAPOR CONCENTRATIONS OF PCE & TCE AT 5 AND 10 FOOT DEPTHS

Number	Location	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)
		5-foot Depth		10-foot Depth	
Commercial Risk-Based Screening Levels (RBSL) µg/L):		35.6	13.6	60.0	23.6
WB2					
1	WB2-1	24.3	< 0.5	19.1	< 0.1
2	WB2-2	8.2	< 0.5		
3	WB2-3	15.3	< 0.5	14.6	< 0.1
4	WB2-4	13.8	< 0.5	6.7	< 0.1
5	WB2-5	5.6	< 0.5		
6	WB2-6	15.5	< 0.5		
7	WB2-7	9.5	< 0.5	5.0	< 0.1
8	WB2-9	20.3	1.6	26.1	1.2
9	WB2-11	9.1	< 0.5		
10	WB2-12	14.4	< 0.5	18.1	< 0.1
11	WB2-13	4.8	< 0.5		
12	WB2-14	6.5	< 0.5		
13	WB2-15	14.3	< 0.5	18.9	< 0.1
14	WB2-17	3.4	< 0.02		
	WB2-17	12.5	< 0.02		
	WB2-17	24.2	0.1		
15	WB2-18	101.0	0.7		
	WB2-18	119.0	0.7		
16	WB2-19	23.7	< 0.02		
17	WB2-29	44.1	0.1		
	WB2-29	39.5	< 0.02		
18	WB2-32	5.2	< 0.02		
19	WB2-33	3.8	< 0.02		
20	WB2-34	1.4	< 0.02		
WB3					
1	WB3-1	1.4	< 0.5	3.7	< 0.5
2	WB3-2	3.2	< 0.5	6.1	< 0.5
3	WB3-3	11.4	< 0.5	3.9	< 0.5
	WB3-3			5.6	< 0.5
4	WB3-5	4.5	< 0.5	9.3	< 0.5
5	WB3-6			10.2	< 0.5
6	WB3-7	2.0	< 0.5		
7	WB3-8	6.5	< 0.5		
8	WB3-9	4.6	< 0.5	3.1	< 0.5
9	WB3-10	7.2	< 0.5	10.0	< 0.5
10	WB3-11	6.4	< 0.5	8.1	0.4
11	WB3-12	3.0	< 0.5	3.0	< 0.5
12	WB3-13	3.5	< 0.5	3.9	< 0.5
13	WB3-14	2.4	< 0.5	1.6	< 0.5
14	WB3-15			4.4	< 0.5
15	WB3-16	3.5	< 0.5	4.3	< 0.5
16	WB3-17	4.0	< 0.5	5.3	< 0.5
17	WB3-18	12.9	0.3		
18	WB3-26	72.5	17.9		
	WB3-26	79.2	20.8		

Notes:

"<" – non-detect; non-detect analytes are reported as less than the reporting limit (RL).

Where cells are blank, no analysis was performed for those parameters.

Red fill *value* indicate concentration is in excess of the Risk-Based Screening Level (RBSL) for that analyte.

* RBSL are as calculated and presented in Appendix B.

TABLE 5 - WATER LEVEL MEASUREMENTS FOR GROUNDWATER MONITORING WELLS AND RANKS INDICATIVE OF WATER FLOW DIRECTION

Well	Top of Casing	Total Well Depth	Date	Depth to Water	Groundwater Elevations	Screened Interval of Wells	Measured by		05/08/08	06/23/11	10/21/13	11/21/13	02/25/14
	feet			feet					Ranked (high to low)				
CY23	175.78	150	05/08/08	135.89	39.98	130- 150	PE		1				
	175.87		06/23/11	136.71	39.16		URS			1			
			10/21/13	141.53	34.34		URS				4		
			11/12/13	141.77	34.10		URS					4	
			02/25/14	141.81	34.06		ECO						4
CY25	175.27	150	05/08/08	135.85	39.54	130- 150	PE		3				
	175.39		06/23/11	136.29	39.10		URS			2			
			10/21/13	138.98	36.41		URS				3		
			11/12/13	139.45	35.94		URS					3	
			02/25/14	140.12	35.27		ECO						3
WB2-37	175.26	150	05/08/08	135.85	39.55	130- 150	PE		2				
	175.40		06/23/11	136.80	38.60		URS			3			
			10/21/13	137.47	37.93		URS				1		
			11/12/13	137.55	37.85		URS					1	
			02/25/14	137.60	37.80		ECO						1
SY23	175.24	147	05/08/08	135.96	39.40	127- 147	PE		4				
	175.36		06/23/11	137.12	38.24		URS			4			
			10/21/13	137.78	37.58		URS				2		
			11/12/13	137.86	37.50		URS					2	
			02/25/14	137.96	37.40		ECO						2

Notes:

1. The well casing elevations in Column two are for the two surveys conducted at the site. The second survey performed in February 2014 is used to calculate the water elevations that are reported in Groundwater Elevations Column.

2. Water elevation measurements made by Pacific Edge and Eco & Associates on Behalf of the City of Huntington Park and by URS as authorized by the City.

TABLE 6: SUMMARY OF GROUNDWATER SAMPLING RESULTS FOR PCE TCE AT MONITORING WELLS

Well	Sample Date	Tetrachloroethylene (PCE)	Trichloroethylene (TCE)	PCE/TCE Ratio
		µg/L		
CY23	05/01/08	727	180	4.04
	06/23/11	240	170	1.41
CY25	05/01/08	304	122	2.49
	06/23/11	67	42	1.60
WB2-37	05/01/08	2188	333	6.57
	06/23/11	370	230	1.61
SY23	05/01/08	242	102	2.37
	06/23/11	180	150	1.20

Notes:

1. The 2008 sampling was performed by Pacific Edge on behalf of the City of Huntington Park (City).

2. The 2011 sampling was performed by URS under contract to Department of Toxic Substances Control and the sampling was done with permission from the City.

TABLE 7.1

Detailed Analysis of Alternatives Based on Implementability - Soil

Evaluation Factor	Weighting Factor (W)	Alternative No. S1 No Action		Alternative No. S2 Excavation, On-site Stabilization & Backfill		Alternative No. S3 Excavation & Off-site Disposal	
		Rating	*WS*	*Rating*	*WS*	*Rating*	*WS*
TECHNICAL FEASIBILITY							
Construction and operational considerations	4	*4*	16	*1*	4	*2*	8
Demonstrated performance/useful life	4	*1*	4	*2*	8	*4*	16
Adaptable to environmental conditions	4	*1*	4	*3*	12	*4*	16
Contributes to remedial performance of future remedial actions	3	*1*	3	*3*	9	*3*	9
AVAILABILITY							
Equipment, personnel, services, and off-site treatment and disposal capacity	1	*4*	4	*2*	2	*4*	4
O&M requirements	3	*2*	6	*3*	9	*3*	9
ADMINSTRATIVE FEASIBILITY							
Permit requirements	4	*4*	16	*2*	8	*3*	12
Property issues	2	*0*	0	*3*	6	*3*	6
Total	25		53		58		80
Weighted Average			**2.12**		**2.32**		**3.20**

Notes:
1. W denotes weighting factor, the degree of significance or relevancy to nature of project:
   1 = not significant, 2 = intermediate, 3 = significant, 4 = very significant
2. R denotes rating. Relative ranges are:
   0 = very unfavorable, 1 = unfavorable, 2 = intermediate, 3 = favorable, 4 = very favorabl
3. WS denotes weighted sums = W x R
4. Weighted Average = (Total of WS)/(Total of W)

TABLE 7.2

Detailed Analysis of Alternatives Based on Implementability - Soil Vapor

Evaluation Factor	Weighting Factor (W)	Alternative No. SV1 No Action		Alternative No. SV2 Soil Vapor Extraction System		Alternative No. SV3 Soil Excavation & Off-Site Disposal		Alternative No. SV4 Active or Passive Soil Venting	
		Rating	*WS*	*Rating*	*WS*	*Rating*	*WS*	*Rating*	*WS*
TECHNICAL FEASIBILITY									
Construction and operational considerations	4	*4*	16	*1*	4	*3*	12	*1*	4
Demonstrated performance/useful life	4	*1*	4	*3*	12	*3*	12	*3*	12
Adaptable to environmental conditions	4	*1*	4	*3*	12	*2*	8	*2*	8
Contributes to remedial performance of future remedial actions	3	*1*	3	*3*	9	*2*	6	*2*	6
AVAILABILITY									
Equipment, personnel, services, and off-site treatment and disposal capacity	1	*4*	4	*3*	3	*4*	4	*3*	3
O&M requirements	3	*3*	9	*2*	6	*3*	9	*2*	6
ADMINSTRATIVE FEASIBILITY									
Permit requirements	4	*4*	16	*2*	8	*3*	12	*2*	8
Property issues	2	*1*	2	*3*	6	*3*	6	*3*	6
Total	25		58		60		69		53
Weighted Average			**2.32**		**2.40**		**2.76**		**2.12**

Notes:
1. W denotes weighting factor, the degree of significance or relevancy to nature of project
   1 = not significant, 2 = intermediate, 3 = significant, 4 = very significar
2. R denotes rating. Relative ranges are:
   0 = very unfavorable, 1 = unfavorable, 2 = intermediate, 3 = favorable, 4 = very favorabl
3. WS denotes weighted sums = W x R
4. Weighted Average = (Total of WS)/(Total of W)

TABLE 7.3

Detailed Analysis of Alternatives Based on Implementability - Groundwater

Evaluation Factor	Weighting Factor (W)	Alternative No. GW1 No Action		Alternative No. GW2 In-Situ Treatment by Dechlorination		Alternative No. GW3 Groundwater Pump & Treat	
		Rating	*WS*	*Rating*	*WS*	*Rating*	*WS*
TECHNICAL FEASIBILITY							
Construction and operational considerations	4	*4*	16	*2*	8	*2*	8
Demonstrated performance/useful life	4	*1*	4	*2*	8	*2*	8
Adaptable to environmental conditions	4	*1*	4	*2*	8	*3*	12
Contributes to remedial performance of future remedial actions	3	*1*	3	*3*	9	*3*	9
AVAILABILITY							
Equipment, personnel, services, and off-site treatment and disposal capacity	1	*4*	4	*3*	3	*1*	1
O&M requirements	3	*3*	9	*2*	6	*2*	6
ADMINSTRATIVE FEASIBILITY							
Permit requirements	4	*4*	16	*2*	8	*2*	8
Property issues	2	*0*	0	*3*	6	*2*	4
Total	25		56		56		56
Weighted Average			**2.24**		**2.24**		**2.24**

Notes:

1. W denotes weighting factor, the degree of significance or relevancy to nature of project:
   1 = not significant, 2 = intermediate, 3 = significant, 4 = very significant
2. R denotes rating. Relative ranges are:
   0 = very unfavorable, 1 = unfavorable, 2 = intermediate, 3 = favorable, 4 = very favorabl
3. WS denotes weighted sums = W x R
4. Weighted Average = (Total of WS)/(Total of W)

TABLE 8.1

Detailed Analysis of Alternatives Based on Effectiveness - Soil

Evaluation Factor	Weighting Factor (W)	Alternative No. S1 No Action		Alternative No. S2 Excavation, On-site Stabilization & Backfill		Alternative No. S3 Excavation & Off-site Disposal	
		Rating	*WS*	*Rating*	*WS*	*Rating*	*WS*
PROTECTIVENESS							
Protective of public health and community	4	*1*	4	*3*	12	*4*	16
Protective of workers during implementation	4	*4*	16	*2*	8	*2*	8
Protective of the environment	4	*1*	4	*3*	12	*4*	16
Compliance with ARARs	4	*0*	0	*3*	12	*3*	12
ABILITY TO ACHIEVE OBJECTIVES							
Will maintain long-term control	4	*1*	4	*2*	8	*3*	12
No residual effect concerns	2	*1*	2	*3*	6	*3*	6
Magnitude of remaining risk	3	*1*	3	*3*	9	*4*	12
Reduction of toxicity, mobility, and/or volume	4	*0*	0	*2*	8	*4*	16
TOTAL	29		33		75		98
WEIGHTED AVERAGE			**1.14**		**2.59**		**3.38**

Notes:

1. W denotes weighting factor, the degree of significance or relevancy to nature of project:
   1 = not significant, 2 = intermediate, 3 = significant, 4 = very significant
2. R denotes rating. Relative ranges are:
   0 = very unfavorable, 1 = unfavorable, 2 = intermediate, 3 = favorable, 4 = very favorable
3. WS denotes weighted sums = W x R
4. Weighted Average = (Total of WS)/(Total of W)

TABLE 8.2

Detailed Analysis of Alternatives Based on Effectiveness - Soil Vapor

Evaluation Factor	Weighting Factor (W)	Alternative No. SV1 No Action		Alternative No. SV2 Soil Vapor Extraction System		Alternative No. SV3 Soil Excavation & Off-Site Disposal		Alternative No. SV4 Active or Passive Soil Venting	
		Rating	*WS*	*Rating*	*WS*	*Rating*	*WS*	*Rating*	*WS*
PROTECTIVENESS									
Protective of public health and community	4	*1*	4	*3*	12	*3*	12	*3*	12
Protective of workers during implementation	4	*4*	16	*2*	8	*2*	8	*2*	8
Protective of the environment	4	*1*	4	*3*	12	*2*	8	*3*	12
Compliance with ARARs	4	*0*	0	*3*	12	*3*	12	*3*	12
ABILITY TO ACHIEVE OBJECTIVES									
Will maintain long-term control	4	*1*	4	*3*	12	*3*	12	*3*	12
No residual effect concerns	2	*1*	2	*3*	6	*2*	4	*3*	6
Magnitude of remaining risk	3	*1*	3	*3*	9	*2*	6	*3*	9
Reduction of toxicity, mobility, and/or volume	4	*0*	0	*2*	8	*2*	8	*4*	16
TOTAL	29		33		79		70		87
WEIGHTED AVERAGE			**1.14**		**2.72**		**2.41**		**3.00**

Notes:

1. W denotes weighting factor, the degree of significance or relevancy to nature of project:
   1 = not significant, 2 = intermediate, 3 = significant, 4 = very significant
2. R denotes rating. Relative ranges are:
   0 = very unfavorable, 1 = unfavorable, 2 = intermediate, 3 = favorable, 4 = very favorable
3. WS denotes weighted sums = W x R
4. Weighted Average = (Total of WS)/(Total of W)

TABLE 8.3

Detailed Analysis of Alternatives Based on Effectiveness - Groundwater

Evaluation Factor	Weighting Factor (W)	Alternative No. GW1 No Action		Alternative No. GW2 In-Situ Treatment by Dechlorination		Alternative No. GW3 Groundwater Pump & Treat	
		Rating	*WS*	*Rating*	*WS*	*Rating*	*WS*
PROTECTIVENESS							
Protective of public health and community	4	*1*	4	*2*	8	*3*	12
Protective of workers during implementation	4	*4*	16	*3*	12	*2*	8
Protective of the environment	4	*1*	4	*3*	12	*3*	12
Compliance with ARARs	4	*0*	0	*3*	12	*3*	12
ABILITY TO ACHIEVE OBJECTIVES							
Will maintain long-term control	4	*1*	4	*2*	8	*3*	12
No residual effect concerns	2	*1*	2	*3*	6	*3*	6
Magnitude of remaining risk	3	*1*	3	*2*	6	*2*	6
Reduction of toxicity, mobility, and/or volume	4	*0*	0	*2*	8	*2*	8
TOTAL	29		33		72		76
WEIGHTED AVERAGE			**1.14**		**2.48**		**2.62**

Notes:

1. W denotes weighting factor, the degree of significance or relevancy to nature of project:
   1 = not significant, 2 = intermediate, 3 = significant, 4 = very significant
2. R denotes rating. Relative ranges are:
   0 = very unfavorable, 1 = unfavorable, 2 = intermediate, 3 = favorable, 4 = very favorable
3. WS denotes weighted sums = W x R
4. Weighted Average = (Total of WS)/(Total of W)

TABLE 9.1

Detailed Analysis of Alternatives Based on Cost Analysis - Soil

Evaluation Factor	Weighting Factor (W)	Alternative No. S1 No Action		Alternative No. S2 Excavation, On-site Stabilization & Backfill		Alternative No. S3 Excavation & Off-site Disposal	
		Rating	*WS*	*Rating*	*WS*	*Rating*	*WS*
Capital Costs	8	*4*	32	*1*	8	*2*	16
O&M Costs	8	*1*	8	*2*	16	*3*	24
Cost Uncertainty	4	*1*	4	*2*	8	*3*	12
Total	20		44		32		52
Weighted Average			**2.20**		**1.60**		**2.60**

Notes:

1. W denotes weighting factor, the degree of significance or relevancy to nature of project:
   1 = not significant, 2 = intermediate, 3 = significant, 4 = very significant
2. R denotes rating. Relative ranges are:
   0 = very unfavorable, 1 = unfavorable, 2 = intermediate, 3 = favorable, 4 = very favorable
3. WS denotes weighted sums = W x R
4. Weighted Average = (Total of WS)/(Total of W)

TABLE 9.2

Detailed Analysis of Alternatives Based on Cost Analysis - Soil Vapor

Evaluation Factor	Weighting Factor (W)	Alternative No. SV1 No Action		Alternative No. SV2 Soil Vapor Extraction System		Alternative No. SV3 Soil Excavation & Off-Site Disposal		Alternative No. SV4 Active or Passive Soil Venting	
		Rating	*WS*	*Rating*	*WS*	*Rating*	*WS*	*Rating*	*WS*
Capital Costs	8	*4*	32	*1*	8	*3*	24	*2*	16
O&M Costs	8	*1*	8	*2*	16	*3*	24	*2*	16
Cost Uncertainty	4	*1*	4	*2*	8	*3*	12	*3*	12
Total	20		44		32		60		44
Weighted Average			**2.20**		**1.60**		**3.00**		**2.20**

Notes:

1. W denotes weighting factor, the degree of significance or relevancy to nature of project:
   1 = not significant, 2 = intermediate, 3 = significant, 4 = very significant
2. R denotes rating. Relative ranges are:
   0 = very unfavorable, 1 = unfavorable, 2 = intermediate, 3 = favorable, 4 = very favorable
3. WS denotes weighted sums = W x R
4. Weighted Average = (Total of WS)/(Total of W)

TABLE 9.3

Detailed Analysis of Alternatives Based on Cost Analysis - Groundwater

Evaluation Factor	Weighting Factor (W)	Alternative No. GW1 No Action		Alternative No. GW2 In-Situ Treatment by Dechlorination		Alternative No. GW3 Groundwater Pump & Treat	
		Rating	*WS*	*Rating*	*WS*	*Rating*	*WS*
Capital Costs	8	*4*	32	*2*	16	*1*	8
O&M Costs	8	*1*	8	*3*	24	*2*	16
Cost Uncertainty	4	*1*	4	*1*	4	*1*	4
Total	20		44		44		28
Weighted Average			**2.20**		**2.20**		**1.40**

Notes:

1. W denotes weighting factor, the degree of significance or relevancy to nature of project:
   1 = not significant, 2 = intermediate, 3 = significant, 4 = very significant
2. R denotes rating. Relative ranges are:
   0 = very unfavorable, 1 = unfavorable, 2 = intermediate, 3 = favorable, 4 = very favorable
3. WS denotes weighted sums = W x R
4. Weighted Average = (Total of WS)/(Total of W)

TABLE 10.1

Summary of Detailed Analysis of Alternatives - Soil

Evaluation Factor	Weighting Factor (W)	Alternative No. S1 No Action	Alternative No. S2 Excavation, On-site Stabilization & Backfill	Alternative No. S3 Excavation & Off-site Disposal
Alternative Measure				
Implementability*	25	2.12	2.32	3.20
Effectiveness*	29	1.14	2.59	3.38
Weighted Average**		1.59	2.46	3.30
Cost Measure				
Weighted Cost Average***		2.20	1.60	2.60
Total		**3.79**	**4.06**	**5.90**
Cost Effectiveness		**0.72**	**1.54**	**1.27**
RANKING ON TOTAL:		No. 3	No. 2	No. 1
COST-EFFECTIVENESS RANKING:		No. 1	No. 3	No. 2

Notes:
* From Tables 7.1 and 8.1
** Weighted average = (Sum of (weighting factor [W] times rating [R]))/ (Sum of weighting factor [W])
*** Weighted cost average from Table 9.1
Cost Effectiveness = Weighted Effectiveness Average/ Weighted Cost Average

TABLE 10.2

Summary of Detailed Analysis of Alternatives - Soil Vapor

Evaluation Factor	Weighting Factor (W)	Alternative No. SV1 No Action	Alternative No. SV2 Soil Vapor Extraction System	Alternative No. SV3 Soil Excavation & Off-Site Disposal	Alternative No. SV4 Active or Passive Soil Venting
Alternative Measure					
Implementability*	25	2.32	2.40	2.76	2.12
Effectiveness*	29	1.14	2.72	2.41	3.00
Weighted Average**		1.69	2.57	2.57	2.59
Cost Measure					
Weighted Cost Average***		2.20	1.60	3.00	2.20
Total		**3.89**	**4.17**	**5.57**	**4.79**
Cost Effectiveness		**0.77**	**1.61**	**0.86**	**1.18**
RANKING ON TOTAL:		No. 4	No. 3	No. 1	No. 2
COST-EFFECTIVENESS RANKING:		No. 1	No. 4	No. 2	No. 3

Notes:
* From Tables 7.2 and 8.2
** Weighted average = (Sum of (weighting factor [W] times rating [R]))/ (Sum of weighting factor [W])
*** Weighted cost average from Table 9.2
Cost Effectiveness = Weighted Effectiveness Average/ Weighted Cost Average

TABLE 10.3

Summary of Detailed Analysis of Alternatives - Groundwater

Evaluation Factor	Weighting Factor (W)	Alternative No. GW1 No Action	Alternative No. GW2 In-Situ Treatment by Dechlorination	Alternative No. GW3 Groundwater Pump & Treat
Alternative Measure				
Implementability*	25	2.24	2.24	2.24
Effectiveness*	29	1.14	2.48	2.62
Weighted Average**		1.65	2.37	2.44
Cost Measure				
Weighted Cost Average***		2.20	2.20	1.40
Total		**3.85**	**4.57**	**3.84**
Cost Effectiveness		**0.75**	**1.08**	**1.75**
RANKING ON TOTAL:		No. 2	No. 1	No. 3
COST-EFFECTIVENESS RANKING:		No. 1	No. 2	No. 3

Notes:
* From Tables 7.3 and 8.3
** Weighted average = (Sum of (weighting factor [W] times rating [R]))/ (Sum of weighting factor [W])
*** Weighted cost average from Table 9.3
Cost Effectiveness = Weighted Effectiveness Average/ Weighted Cost Average