

Appendix B
Bechtel National, Inc. Analytical Data

[illegible][illegible]

NOTE: Co Extended value No Rejected value No Technically rejected value See test for qualifiers.

• BISE guideline levels.

100 Rise Level for Total Volatile Organics = 1.000.

000 RISE level for Total Base/Neutral Extractable. Provides a 10,000

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TABLE 3-2 : SOIL BORING DATA (VOA & BNAE) : MAYWOOD & VICINITY SITES (cont'd)

SOIL BORING		B-14	B-14	B-14	B-15	B-15	B-16	B-16	B-16	B-16	B-17	B-18	B-19	B-20	B-21	B-22	B-23	B-24	B-25	B-26	B-27	B-28	B-29
SAMPLE NUMBER	GUIDANCE LEVEL ^a	S-1	S-2	S-3	S-1	S-2	S-1	S-3	S-3	COMP	COMP	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1
VOLATILE ORGANIC COMPOUNDS (ppb) ^{aa}		1																					
Acetone		TR	31 E	TR	23 E	88 E	320 E	3100 E	3300 E														
Benzene		TR		TR																			
Bromodichloromethane		TR		TR																			
Chlorobenzene		TR		TR																			
1,2-Dichloroethene		TR		TR																			
Ethylbenzene		TR		TR				4.0	7.8														
Methyl chloride		TR		TR																			
Methylene chloride		TR	3 E	TR		26 E	65	110	42														
Methyl ethyl ketone		TR	24 E	TR	23 E	27 E	41 E	45 E	37 E														
Tetrachloroethylene		TR		TR																			
Toluene		TR		TR																			
1,1-Trichloroethane		TR		TR																			
Trichloroethylene		TR		TR																			
Xylene		TR		TR				16															
SEMI-VOLATILES (ppb) ^{aaa}		10																					
Acenaphthene								TR	TR														
Acenaphthylene								TR	TR														
Anthracene								TR	TR														
Benzo(a)Anthracene								TR	TR														
Benzo(a)Pyrene								TR	TR														
Benzo(b)Fluoranthene								TR	TR														
Benzo(g,h,i)Perylene								TR	TR														
Benzo(k)Fluoranthene								TR	TR														
Benzoic acid								TR	TR														
Benzyl Alcohol								TR	TR														
Bis(2-Ethylhexyl)Phthalate					1200 R	1300 R	370 R	TR	TR	460 E													
2-chlorophenol								TR	TR														
Chrysene								TR	TR														
Dibenz(a,h)Anthracene								TR	TR														
Dibenzofuran								TR	TR														
1,4-Dichlorobenzene								TR	TR														
2,4-Dichlorophenol								TR	TR														
Diethyl Phthalate								TR	TR														
Diethylbenzene								TR	TR														
2,4-Dimethyl phenol								TR	TR														
Di-n-butyl Phthalate								TR	TR														
Di-n-octyl Phthalate								TR	TR														
2,4-Dinitrotoluene								TR	TR														
Fluoranthene								TR	TR														
Fluorene								TR	TR														
Indeno(1,2,3-cd)Pyrene								TR	TR														
2-Methyl naphthalene								TR	TR														
2-Methyl phenol								TR	TR														
4-Methyl phenol								TR	TR														
Naphthalene								TR	TR														
Nitrobenzene								TR	TR														
N-Nitrosodiphenylamine								TR	TR														
N-Nitroso-di-n-propylamine								TR	TR														
4-nitrophenol								TR	TR														
4-nitrotoluene								TR	TR														
Pentachlorophenol								TR	TR														
Phenanthrene								TR	TR														
Phenol								TR	TR														
Pyrene								TR	TR														
Tetrahydrofuran								TR	TR														
1,2,4-Trichlorobenzene								TR	TR														

NOTE: E= Estimated value R= Rejected value TR= Technically rejected value See text for qualifiers.

^a BISE guideline levels.^{aa} BISE level for Total Volatile Organics = 1 ppb.^{aaa} BISE level for Total Base/Neutral Extractable Organics = 10 ppb.

COMP results are from the Bechtel Survey. Samples composited to a maximum depth of 16 feet.

TABLE 3-2 : EXISTING SOIL BORING DATA (VOA & BNAE) : HAYWOOD & VICINITY SITES (cont'd)

SOIL BORING	GUIDANCE	B-30	B-31	B-32	B-33	B-34	B-35
SAMPLE NUMBER	LEVEL ^a	S-1	S-1	S-1	S-1	S-1	S-1
VOLATILE ORGANIC COMPOUNDS (ppb) ^{aa}							
Acetone	1						
Benzene							
Bromodichloromethane							< 5
Chlorobenzene							
1,2-Dichloroethene							
Ethylbenzene							
Methyl chloride							
Methylene chloride							
Methyl ethyl ketone							
Tetrachloroethylene							
Toluene							< 13
1,1-Trichloroethane							
Trichloroethylene							
Xylene							
SEMI-VOLATILES (ppb) ^{aaa}							
Acenaphthene	10				7	6	
Acenaphthylene						10	
Anthracene							
Benzo(a)Anthracene				18	87	150	
Benzo(a)Pyrene				16	70	110	
Benzo(b)Fluoranthene				27	110		
Benzo(g,h,i)Perylene				10	41	85	
Benzo(k)Fluoranthene				28		150	
Benzoic acid							
Benzyl Alcohol							
Bis(2-Ethylhexyl)Phthalate					15	7	
2-chlorophenol							
Chrysene				18	76	120	
Dibenzo(a,h)Anthracene				5	18	34	
Dibenzofuran					7	5	
1,4-Dichlorobenzene							
2,4-Dichlorophenol							
Diethyl Phthalate							
Dimethylbenzene							
2,4-Diethyl phenol							
Di-n-butyl Phthalate					25	6	
Di-n-octyl Phthalate							
2,4-Dinitrotoluene							
Fluoranthene				32	160	340	
Fluorene						8	
Indeno(1,2,3-cd)Pyrene				13	50	73	
2-Methyl naphthalene							
2-Methyl phenol							
4-Methyl phenol							
Naphthalene							
Nitrobenzene						7	
N-Nitrosodiphenylamine							
N-Nitroso-di-n-propylamine							
4-nitrophenol							
4-nitrotoluene							
Pentachlorophenol							
Phenanthrene				21	8	180	
Phenol							
Pyrene				37	200	230	
Tetrahydrofuran							
1,2,4-Trichlorobenzene							

NOTE: E= Estimated value R= Rejected value TR= Technically rejected value See text for qualifiers.
^a BISE guideline levels.

^{aa} BISE level for Total Volatile Organics = 1 ppm.

^{aaa} BISE level for Total Base/Neutral Extractable Organics = 10 ppm.

COMP results are from the Bechtel Survey. Samples composited to a maximum depth of 6 feet.

: EXISTING SOIL BORING DATA (PESTICIDES & METALS) : MAYWOOD & VICINITY SITES

S	GUIDANCE LEVEL#	B-1	B-1	B-1	B-2	B-2	B-2	B-2	B-2	B-3	B-3	B-4	B-4	B-4	B-4	B-4	B-5	B-5	B-5	B-5	B-6
		S-1	S-2	COMP	S-1	S-2	S-3	S-4	COMP	S-1	S-2	S-1	S-2	S-3	S-4	COMP	S-1	S-2	S-3	S-4	S-1
BER																					
(ppb)																					
		120								45 R		40	63	21							
												17		3.9				240			
sulfate																					
a)																					
	20	6.3	2		2.5	5.9	7.6			23	7.3	9.2 E	8.9 E	8.6 E	3.2 E		15	3.4	2.9		11
	3	1.2			3.8	3.4	2.8			4	4.3		3.7				1.7	1.3			2.5
	100	40	13		36	197	315			439	258	68 R	51 R	9.6 R	7.6 R		424	19	9.0		11
	170																				
	100	773 R	11 R		530 R	8420 R	92 R			174 R	68 R	73 R	51 R	8.6 R	3.7 R		129 R	12 R	2.0 R		55 R
	1	0.5	0.12		0.26	0.52	0.32			0.58	0.42	0.47	0.12		0.11		1.5	0.36			
	100	17	9.7		15	22	37			23	24	10 R	11 R				26	16	9.0		22
	4																				
	3																				
	350	135	22 R		460 R	663 R	188 R			22 - 430	284 R	171 R	39 R	45 R	19 R	11 R	126 R	83 R	14 R		132 R

NOTE: E= Estimated value R= Rejected value TR= Technically rejected value See text for qualifiers.
 # BISE guideline levels.
 ** BISE level for Total Volatile Organics = 1 ppm.
 *** BISE level for Total Base/Neutral Extractable Organics = 10 ppm.
 COMP results are from the Bechtel Survey. Samples composited to a maximum depth of 16 feet.

-3 : EXISTING SOIL BORING DATA (PESTICIDES & METALS) : MAYWOOD & VICINITY SITES (cont'd)

RING NUMBER	GUIDANCE LEVEL*	B-7 S-1	B-7 S-2	B-7 COMP	B-8 S-1	B-8 S-2	B-9 S-1	B-9 S-2	B-9 COMP	B-10 S-1	B-10 S-2	B-10 COMP	B-11 S-1	B-11 S-2	B-11 COMP	B-12 S-1	B-12 S-2	B-12 S-3	B-12 S-4	B-12 COMP	B-13 S-1
DES (ppb)																					
HC		6.9	3.0								3.1										
HC		170								190			31	10							
n fan 1 fan sulfate			3.9							50 58 230	5.4										
		39											12								
(ppm)																					
ay	20	27	11				11			16 E	3.2 E		7.4 E	9.9 E	<2 - 14		8.5	3.6	3.7		2.8
un	3	1.4					1.4	1.7	<.08 - 2						<.08 - 2		1.4				3.0
ia, Total	100	133	12		62	37	21	19		204 R	11 R		83 R	12 R			21	13	9.0		19
170	100	263 R	6.3 R		42 R	21 R	23 R	25 R		184 R	2.4 R		40 R	18 R			6.7 R	4.0 R	4.1 R		26 R
100	1	6.0	0.16	<.1 - .8	0.11					0.93				0.15							0.28
100	4	24	12		9.7	10	11	11		18 R			9.9 R	13 R	5.7 - 18	13 R	16	11	9.8		
4	3			<1 - <4																	
3																					
350	129 R	19 R			29 R	22 R	392 R	181 R		134 R	12 R		36 R	58 R	<2 - 8	27 R	23 R	15 R	10 R		42 R

NOTE: E= Estimated value R= Rejected value TR= Technically rejected value See text for qualifiers.
 * BISE guideline levels.
 ** BISE level for Total Volatile Organics = 1 ppm.
 *** BISE level for Total Base/Neutral Extractable Organics = 10 ppm.
 COMP results are from the Bechtel Survey. Samples composited to a maximum depth of 16 feet.

EXISTING SOIL BORING DATA (PESTICIDES & METALS) : MAYWOOD & VICINITY SITES (cont'd)

NO		B-14	B-14	B-14	B-15	B-15	B-16	B-16	B-16	B-16	B-17	B-18	B-19	B-20	B-21	B-22	B-23	B-24	B-25	B-26	B-27
NUMBER	GUIDANCE LEVEL*	S-1	S-2	S-3	S-1	S-2	S-1	S-3	S-3	COMP	COMP	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1
S (ppb)																					
		20	16	0.3							47										
			94	61							45										
			17	13																	
n l																					
n sulfate																					
		12																			
pal																					
	20	3	2.5	2.7	1.3	2.2	2.2	11 E	65 E	4.6 E	<2 - 10				<1 - 44	<1 - 44	<1 - 44	<1 - 44	<1 - 44	<1 - 44	<1 - 44
	3	10	10	10	16	15	13	19 R	32 R	9.0 R					<0.01						
Total	100	14 R	18 R	5.4 R	6.4 R	4.8 R	15 R	123 R	4.4 R						<0.08-2	<4 - 20	<4 - 20	<4 - 20	<4 - 20	<4 - 20	<4 - 20
	100	0.13	30	9.2	21		0.37	0.32													
	1																				
	100																				
	4																				
	3																				
	350	29 R	26 R	20 R	22 R	20 R	47 R	87 R	21 R						<5-744	<5-744	<5-744	<5-744	<5-744	<5-744	<5-744
															16 - 304						

NOTE: E= Estimated value R= Rejected value TR= Technically rejected value See text for qualifiers.
 * DISE guideline levels.
 ** DISE level for Total Volatile Organics = 1 ppm.
 *** DISE level for Total Base/Neutral Extractable Organics = 10 ppm.
 COMP results are from the Bechtel Survey. Samples composited to a maximum depth of 16 feet.

EXISTING SOIL BORING DATA (PESTICIDES & METALS) : MAYWOOD & VICINITY SITES (cont'd)

	GUIDANCE LEVEL*	B-30	B-31	B-32	B-33	B-34	B-35
R		S-1	S-1	S-1	S-1	S-1	S-1

ppb)

ulfate

	20	<1 - 44	<1 - 44	
tal	3	<4 - 20	<4 - 20	<4 - 20
	100	<1 - 167	<1 - 167	
	170	<1 - 790	<1 - 790	<1 - 790
	100			
	1			
	100			
	4			
	3			
	350	<5-744	<5-744	<5-744

stinated value R= Rejected value TR= Technically rejected value See text for qualifiers.
SE guideline levels.
ISE level for Total Volatile Organics = 1 ppm.
DISE level for Total Base/Neutral Extractable Organics = 10 ppm.
results are from the Dechiel Survey. Samples composited to a maximum depth of 16 feet.