APPENDIX A

OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS

TABLE A-1 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – B1-1
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		B1BS0082	B1BS0084	B1BS0085	B1BS0086	B1BS0087	B1BS0088	B1BS0089	B1BS0090	B1BS0091	B1BS0092	B1BS0092
				Sample Name:		B1BS0082S001	B1BS0084S001	B1BS0085S001	B1BS0086S001	B1BS0087S001	B1BS0088S001	B1BS0089S001	B1BS0090S001	B1BS0091S001	B1BS0092D001	B1BS0092S001
				Collection Date:		6/3/2009	6/5/2009	6/5/2009	6/5/2009	6/5/2009	6/5/2009	6/5/2009	6/5/2009	6/30/2009	6/30/2009	6/30/2009
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																
Cadmium	mg/kg	1	1	--	--	0.131 J	0.496	0.245	0.447	0.402	--	--	--	--	--	--
DIOXINS																
TCDD TEQ	pg/g	0.87	3.0	--	--	--	--	--	--	0.330	7.86	0.456	1.40	3.73	35.2	24.5

TABLE A-1 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – B1-1
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		B1BS0093	B1BS0106	B1BS0108	B1BS0109	B1BS0110	B1BS0110	B1BS0111	B1BS0112	B1BS0113	B1BS0113	B1BS0114
				Sample Name:		B1BS0093S001	B1BS0106S001	B1BS0108S001	B1BS0109S001	B1BS0110S001	B1BS0110S002	B1BS0111S001	B1BS0112S001	B1BS0113D001	B1BS0113S001	B1BS0114S001
				Collection Date:		6/30/2009	1/25/2010	1/25/2010	1/25/2010	2/9/2010	2/9/2010	1/27/2010	1/28/2010	1/28/2010	1/28/2010	2/9/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 1.0	0.0 - 1.0	0.0 - 1.0	0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																
Cadmium	mg/kg	1	1	--	--	--	0.36	0.115 J	0.212 P	3.74 P	0.0844 P	--	--	--	--	0.182 J
DIOXINS																
TCDD TEQ	pg/g	0.87	3.0	--	--	0.395	--	--	--	5.05	--	0.777 P	0.338	0.416	0.225	0.904

TABLE A-1 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – B1-1
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**B1BS0115**	**B1BS0117**	**B1BS0118**	**B1BS0119**	**B1BS0121**	**B1BS0122**	**B1BS0123**	**B1BS0124**	**B1BS0125**	**B1BS0126**	**B1BS0127**
				Sample Name:		B1BS0115S001	B1BS0117S001	B1BS0118S001	B1BS0119S001	B1BS0121S001	B1BS0122S001	B1BS0123S001	B1BS0124S001	B1BS0125S001	B1BS0126S001	B1BS0127S001
				Collection Date:		1/27/2010	1/27/2010	1/27/2010	1/27/2010	1/27/2010	1/28/2010	1/27/2010	1/27/2010	1/27/2010	1/27/2010	2/9/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																
Cadmium	mg/kg	1	1	--	--	--	--	--	--	0.627	--	--	--	--	--	--
DIOXINS																
TCDD TEQ	pg/g	0.87	3.0	--	--	0.00777	0*	16.6 P	1.04	81.2	3.49 P	0*	0*	0.674 P	8.45	0.935 P

TABLE A-1 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – B1-1
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		B1BS0129	B1BS0149	B1BS0150	B1BS0151	B1BS0152	B1BS0153	B1BS0154	B1BS0155	B1BS0156	B1BS0157	B1BS0158
				Sample Name:		B1BS0129S001	B1BS0149S001	B1BS0150S001	B1BS0151S001	B1BS0152S001	B1BS0153S001	B1BS0154S001	B1BS0155S001	B1BS0156S001	B1BS0157S001	B1BS0158S001
				Collection Date:		1/27/2010	3/2/2010	3/2/2010	3/2/2010	3/2/2010	3/2/2010	3/2/2010	3/2/2010	3/2/2010	3/2/2010	3/2/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																
Cadmium	mg/kg	1	1	--	--	--	--	0.18 J	--	--	--	0.213 J	--	--	0.132 J	0.0981 P
DIOXINS																
TCDD TEQ	pg/g	0.87	3.0	--	--	16.8	0.755 P	180 P	2.01 P	6.51 P	0.134 P	0.465 P	1.15 P	0.578 P	0.126 P	--

TABLE A-1 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – B1-1
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**B1BS0159**	**B1BS0173**	**B1BS0174**	**B1BS0175**	**B1BS0175**
				Sample Name:		B1BS0159S001	B1BS0173S001	B1BS0174S001	B1BS0175S001	B1BS0175S002
				Collection Date:		3/2/2010	3/17/2010	3/17/2010	3/17/2010	3/17/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	4.5 - 5.0
				Status:		In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS										
Cadmium	mg/kg	1	1	--	--	0.543 P	--	--	--	--
DIOXINS										
TCDD TEQ	pg/g	0.87	3.0	--	--	--	1.00 P	1.08 P	820 P	23.7 P

TABLE A-2 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – B1-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**B1BS0069**	**B1BS0075**	**B1BS0076**	**B1BS0077**	**B1BS0077**	**B1BS0078**	**B1BS0078**	**B1BS0079**	**B1BS0080**
				Sample Name:		B1BS0069AS001	B1BS0075S001	B1BS0076S001	B1BS0077S001	B1BS0077S002	B1BS0078S001	B1BS0078S002	B1BS0079S001	B1BS0080D001
				Collection Date:		1/25/2010	6/5/2009	6/5/2009	6/3/2009	6/3/2009	6/3/2009	6/3/2009	6/5/2009	6/3/2009
				Sample Depth (feet):		3.5 - 4.0	0.0 - 0.5	3.5 - 4.0	0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS														
Aluminum	mg/kg	20,000	--	--	--	--	--	--	--	--	12,300	--	--	10,300
Beryllium	mg/kg	1.1	--	--	--	--	--	--	--	--	0.61	--	--	0.48
Cadmium	mg/kg	1	1	--	--	0.215 J	0.175 J	0.188 J	0.104 J	--	0.713 J	--	0.601	0.129 J
Copper	mg/kg	29	29	--	--	7.26 J	8.74	9.41	9.4 J	--	11.3 J	--	13.2	5.16 J
Lead	mg/kg	34	34	--	--	9.73 J	30.7 J	11.6 J	3.94 J	--	10.4 J	--	20.9 J	5.12 J
Selenium	mg/kg	0.655	--	--	--	--	<0.54	<0.521	<0.515	--	<0.53	--	<0.508	<0.504
Zinc	mg/kg	110	--	--	--	--	56.8 J	48.6 J	52 J	--	82.4 J	--	110 J	48.8 J
DIOXINS														
TCDD TEQ	pg/g	0.87	3.0	--	--	--	--	--	--	--	--	--	--	--
TPH														
Gasoline Range Organics (C8-C11)	mg/kg	--	--	1.1	RES	--	<36.3	<3.52	<3.44	--	<3.54	--	<3.49	<3.49
Kerosene Range Organics (C11-C14)	mg/kg	--	--	1400	RES	--	<36.3	<3.52	<3.44	--	<3.54	--	<3.49	<3.49
Diesel Range Organics (C14-C20)	mg/kg	--	--	1400	RES	--	<36.3	<3.52	<3.44	--	<3.54	--	2.69 J	<3.49
Diesel Range Organics (C20-C30)	mg/kg	--	--	1400	RES	--	26.7 J	18.9	14	--	8.18	--	18.6	4.72
VOCs														
1,1,1,2-Tetrachloroethane	ug/kg	--	--	1.96	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
1,1,1-Trichloroethane	ug/kg	--	--	1114	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
1,1,2,2-Tetrachloroethane	ug/kg	--	--	1.41	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	--	--	16000	RES	<4.56	<4.89	<4.98	<5.06	<4.83	<5.37	<5.14	<4.94	<5.1
1,1,2-Trichloroethane	ug/kg	--	--	1.18	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
1,1-Dichloroethane	ug/kg	--	--	1.58	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
1,1-Dichloroethene	ug/kg	--	--	8.05	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
1,1-Dichloropropene	ug/kg	--	--	22000	ECO	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
1,2,3-Trichlorobenzene	ug/kg	--	--	142	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
1,2,3-Trichloropropane	ug/kg	--	--	66	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
1,2,4-Trichlorobenzene	ug/kg	--	--	142	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
1,2,4-Trimethylbenzene	ug/kg	--	--	40.7	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
1,2-Dibromo-3-chloropropane	ug/kg	--	--	29	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
1,2-Dibromoethane	ug/kg	--	--	0.240	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
1,2-Dichlorobenzene	ug/kg	--	--	1800	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
1,2-Dichloroethane	ug/kg	--	--	0.5	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
1,2-Dichloropropane	ug/kg	--	--	0.569	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
1,3,5-Trimethylbenzene	ug/kg	--	--	36	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
1,3-Dichlorobenzene	ug/kg	--	--	1700	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
1,3-Dichloropropane	ug/kg	--	--	22000	ECO	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
1,4-Dichlorobenzene	ug/kg	--	--	5.55	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
2-Chloro-1,1,1-trifluoroethane	ug/kg	--	--	--	--	<9.11	<9.79	<9.96	<10.1	<9.66	<10.7	<10.3	<9.89	<10.2
2-Chloroethylvinyl ether	ug/kg	--	--	0.00957	RES	<4.56	<4.89	<4.98	<5.06	<4.83	<5.37	<5.14	<4.94	<5.1
2-Hexanone	ug/kg	--	--	1220000	ECO	<4.56	<4.89	<4.98	<5.06	<4.83	<5.37	<5.14	<4.94	<5.1

TABLE A-2 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – B1-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**B1BS0069**	**B1BS0075**	**B1BS0076**	**B1BS0077**	**B1BS0077**	**B1BS0078**	**B1BS0078**	**B1BS0079**	**B1BS0080**
				Sample Name:		B1BS0069AS001	B1BS0075S001	B1BS0076S001	B1BS0077S001	B1BS0077S002	B1BS0078S001	B1BS0078S002	B1BS0079S001	B1BS0080D001
				Collection Date:		1/25/2010	6/5/2009	6/5/2009	6/3/2009	6/3/2009	6/3/2009	6/3/2009	6/5/2009	6/3/2009
				Sample Depth (feet):		3.5 - 4.0	0.0 - 0.5	3.5 - 4.0	0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
Acetone	ug/kg	--	--	42711	ECO	168	23.5	<4.98	61.5	<4.83	<5.37	<495	<4.94	<5.1
Benzene	ug/kg	--	--	0.13	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Bromobenzene	ug/kg	--	--	110000	ECO	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Bromochloromethane	ug/kg	--	--	25000	ECO	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Bromodichloromethane	ug/kg	--	--	0.31	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Bromoform	ug/kg	--	--	38000	ECO	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Bromomethane	ug/kg	--	--	25000	ECO	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Carbon Tetrachloride	ug/kg	--	--	0.042	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Chlorobenzene	ug/kg	--	--	80.3	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Chloroethane	ug/kg	--	--	190000	ECO	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Chloroform	ug/kg	--	--	0.77	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Chloromethane	ug/kg	--	--	25000	ECO	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Chlorotrifluoroethanes	ug/kg	--	--	64000	ECO	<9.11	<9.79	<9.96	<10.1	<9.66	<10.7	<10.3	<9.89	<10.2
cis-1,2-Dichloroethene	ug/kg	--	--	14	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
cis-1,3-Dichloropropene	ug/kg	--	--	22000	ECO	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Cumene	ug/kg	--	--	--	--	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Dibromomethane	ug/kg	--	--	25000	ECO	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Dichlorodifluoromethane	ug/kg	--	--	15	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Ethylbenzene	ug/kg	--	--	4.64	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Hexachlorobutadiene	ug/kg	--	--	854	ECO	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Methyl ethyl ketone	ug/kg	--	--	62000	RES	<4.56	<4.89	<4.98	11.7	<4.83	<5.37	<5.14	<4.94	<5.1
Methyl isobutyl ketone (MIBK)	ug/kg	--	--	19638	RES	<4.56	<4.89	<4.98	<5.06	<4.83	<5.37	<5.14	<4.94	<5.1
Methyl tert-butyl ether	ug/kg	--	--	120000	ECO	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Methylene chloride	ug/kg	--	--	4	RES	<4.56	<4.89	<4.98	<5.06	<4.83	<5.37	<5.14	<4.94	<5.1
m-Xylene & p-Xylene	ug/kg	--	--	150	RES	<1.82	<1.96	<1.99	0.427 J	<1.93	<2.15	<2.06	<1.98	<2.04
n-Butylbenzene	ug/kg	--	--	210000	ECO	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
n-Propylbenzene	ug/kg	--	--	203	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
o-Chlorotoluene	ug/kg	--	--	160000	ECO	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
o-Xylene	ug/kg	--	--	190	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
p-Chlorotoluene	ug/kg	--	--	160000	ECO	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
p-Cymene	ug/kg	--	--	64000	ECO	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
sec-Butylbenzene	ug/kg	--	--	29755	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
sec-Dichloropropane	ug/kg	--	--	22000	ECO	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Styrene	ug/kg	--	--	7200	RES	0.716 J	0.565 J	0.847 J	0.819 J	0.586 J	1.04 J	0.406 J	0.761 J	0.73 J
tert-Butylbenzene	ug/kg	--	--	210000	ECO	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Tetrachloroethene	ug/kg	--	--	0.43	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Toluene	ug/kg	--	--	234	RES	<0.911	<0.979	2.03	0.538 J	0.459 J	<1.07	<1.03	2.19	1.03
trans-1,2-Dichloroethene	ug/kg	--	--	13.8	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
trans-1,3-Dichloropropene	ug/kg	--	--	4400	ECO	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Trichloroethene	ug/kg	--	--	2.2	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Trichlorofluoromethane	ug/kg	--	--	110	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02
Vinyl chloride	ug/kg	--	--	0.0096	RES	<0.911	<0.979	<0.996	<1.01	<0.966	<1.07	<1.03	<0.989	<1.02

TABLE A-2 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – B1-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**B1BS0080**	**B1BS0080**	**B1BS0081**	**B1BS0081**	**B1BS0098**	**B1BS0100**	**B1BS0100**	**B1BS0101**	**B1BS0102**
				Sample Name:		B1BS0080S001	B1BS0080S002	B1BS0081AS001	B1BS0081S001	B1BS0098S001	B1BS0100S001	B1BS0100S002	B1BS0101S001	B1BS0102S001
				Collection Date:		6/3/2009	6/3/2009	7/14/2009	6/3/2009	1/27/2010	1/27/2010	1/27/2010	1/27/2010	1/28/2010
				Sample Depth (feet):		0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS														
Aluminum	mg/kg	20,000	--	--	--	10,300	--	--	10,800	--	--	--	--	--
Beryllium	mg/kg	1.1	--	--	--	0.49	--	--	0.409	--	--	--	--	--
Cadmium	mg/kg	1	1	--	--	0.147 J	--	--	0.186 J	0.518	2.09	0.215 P	2.4 P	7.73
Copper	mg/kg	29	29	--	--	5.68 J	--	--	--	12.4	49.3	9.06 P	23.7 P	68.8
Lead	mg/kg	34	34	--	--	5.8	--	--	--	26 J	40 J	9.67 P	460 P	112
Selenium	mg/kg	0.655	--	--	--	<0.507	--	--	<0.504	--	--	--	--	--
Zinc	mg/kg	110	--	--	--	54	--	--	--	--	--	--	--	--
DIOXINS														
TCDD TEQ	pg/g	0.87	3.0	--	--	--	--	--	--	--	--	--	9.54 P	2.52
TPH														
Gasoline Range Organics (C8-C11)	mg/kg	--	--	1.1	RES	<3.45	<3.44	<3.62	--	--	--	--	--	--
Kerosene Range Organics (C11-C14)	mg/kg	--	--	1400	RES	<3.45	<3.44	<3.62	--	--	--	--	--	--
Diesel Range Organics (C14-C20)	mg/kg	--	--	1400	RES	<3.45	<3.44	<3.62	--	--	--	--	--	--
Diesel Range Organics (C20-C30)	mg/kg	--	--	1400	RES	2.39 J	13.2	13.6	--	--	--	--	--	--
VOCs														
1,1,1,2-Tetrachloroethane	ug/kg	--	--	1.96	RES	<1.06	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	1114	RES	<1.06	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	1.41	RES	<1.06	--	--	--	--	--	--	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	--	--	16000	RES	<5.3	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	1.18	RES	<1.06	--	--	--	--	--	--	--	--
1,1-Dichloroethane	ug/kg	--	--	1.58	RES	<1.06	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	8.05	RES	<1.06	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	22000	ECO	<1.06	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	142	RES	<1.06	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	66	RES	<1.06	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	142	RES	<1.06	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	40.7	RES	0.392 J	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	29	RES	<1.06	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	0.240	RES	<1.06	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	1800	RES	<1.06	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	0.5	RES	<1.06	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	0.569	RES	<1.06	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	36	RES	<1.06	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	1700	RES	<1.06	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	22000	ECO	<1.06	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	5.55	RES	<1.06	--	--	--	--	--	--	--	--
2-Chloro-1,1,1-trifluoroethane	ug/kg	--	--	--	--	<10.6	--	--	--	--	--	--	--	--
2-Chloroethylvinyl ether	ug/kg	--	--	0.00957	RES	<5.3	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	1220000	ECO	<5.3	--	--	--	--	--	--	--	--

TABLE A-2 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – B1-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		B1BS0080	B1BS0080	B1BS0081	B1BS0081	B1BS0098	B1BS0100	B1BS0100	B1BS0101	B1BS0102
				Sample Name:		B1BS0080S001	B1BS0080S002	B1BS0081AS001	B1BS0081S001	B1BS0098S001	B1BS0100S001	B1BS0100S002	B1BS0101S001	B1BS0102S001
				Collection Date:		6/3/2009	6/3/2009	7/14/2009	6/3/2009	1/27/2010	1/27/2010	1/27/2010	1/27/2010	1/28/2010
				Sample Depth (feet):		0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
Acetone	ug/kg	--	--	42711	ECO	<5.3	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	0.13	RES	0.334 J	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	110000	ECO	<1.06	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	25000	ECO	<1.06	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	0.31	RES	<1.06	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	38000	ECO	<1.06	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	25000	ECO	<1.06	--	--	--	--	--	--	--	--
Carbon Tetrachloride	ug/kg	--	--	0.042	RES	<1.06	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	80.3	RES	<1.06	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	190000	ECO	<1.06	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	0.77	RES	<1.06	--	--	--	--	--	--	--	--
Chloromethane	ug/kg	--	--	25000	ECO	<1.06	--	--	--	--	--	--	--	--
Chlorotrifluoroethanes	ug/kg	--	--	64000	ECO	<10.6	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	14	RES	<1.06	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	22000	ECO	<1.06	--	--	--	--	--	--	--	--
Cumene	ug/kg	--	--	--	--	<1.06	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	25000	ECO	<1.06	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	15	RES	<1.06	--	--	--	--	--	--	--	--
Ethylbenzene	ug/kg	--	--	4.64	RES	0.538 J	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	854	ECO	<1.06	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	62000	RES	<5.3	--	--	--	--	--	--	--	--
Methyl isobutyl ketone (MIBK)	ug/kg	--	--	19638	RES	<5.3	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	ug/kg	--	--	120000	ECO	<1.06	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	4	RES	<5.3	--	--	--	--	--	--	--	--
m-Xylene & p-Xylene	ug/kg	--	--	150	RES	1.49 J	--	--	--	--	--	--	--	--
n-Butylbenzene	ug/kg	--	--	210000	ECO	<1.06	--	--	--	--	--	--	--	--
n-Propylbenzene	ug/kg	--	--	203	RES	<1.06	--	--	--	--	--	--	--	--
o-Chlorotoluene	ug/kg	--	--	160000	ECO	<1.06	--	--	--	--	--	--	--	--
o-Xylene	ug/kg	--	--	190	RES	<1.06	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	160000	ECO	<1.06	--	--	--	--	--	--	--	--
p-Cymene	ug/kg	--	--	64000	ECO	<1.06	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	29755	RES	<1.06	--	--	--	--	--	--	--	--
sec-Dichloropropane	ug/kg	--	--	22000	ECO	<1.06	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	7200	RES	0.927 J	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	210000	ECO	<1.06	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	0.43	RES	<1.06	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	234	RES	6.45	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	13.8	RES	<1.06	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	4400	ECO	<1.06	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	2.2	RES	<1.06	--	--	--	--	--	--	--	--
Trichlorofluoromethane	ug/kg	--	--	110	RES	<1.06	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	0.0096	RES	<1.06	--	--	--	--	--	--	--	--

TABLE A-2 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – B1-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**B1BS0102**	**B1BS0103**	**B1BS0103**	**B1BS0104**	**B1BS0105**	**B1BS0147**	**B1BS0148**	**B1BS0160**	**B1BS0161**
				Sample Name:		B1BS0102AS002	B1BS0103S001	B1BS0103AS002	B1BS0104S001	B1BS0105S001	B1BS0147S001	B1BS0148S001	B1BS0160S001	B1BS0161S001
				Collection Date:		3/2/2010	1/28/2010	3/2/2010	1/25/2010	1/25/2010	3/2/2010	3/2/2010	3/3/2010	3/3/2010
				Sample Depth (feet):		3.0 - 3.5	0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS														
Aluminum	mg/kg	20,000	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium	mg/kg	1.1	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	1	1	--	--	0.199 P	1.6 P	1.07 P	1.81	0.378 P	0.112	0.816	1.59 P	0.154 P
Copper	mg/kg	29	29	--	--	11.8 P	40.1 P	20.8 P	20.6 J	11 P	8.08	10.5	14.6 P	10.3 P
Lead	mg/kg	34	34	--	--	13.4 P	43.1 P	39.6 P	83.8 J	104 P	5.3	16.1	24.5 P	20.1 P
Selenium	mg/kg	0.655	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	mg/kg	110	--	--	--	--	--	--	--	--	--	--	--	--
DIOXINS														
TCDD TEQ	pg/g	0.87	3.0	--	--	--	--	--	45.4	--	--	3.75	--	18.7
TPH														
Gasoline Range Organics (C8-C11)	mg/kg	--	--	1.1	RES	--	--	--	--	--	--	--	--	--
Kerosene Range Organics (C11-C14)	mg/kg	--	--	1400	RES	--	--	--	--	--	--	--	--	--
Diesel Range Organics (C14-C20)	mg/kg	--	--	1400	RES	--	--	--	--	--	--	--	--	--
Diesel Range Organics (C20-C30)	mg/kg	--	--	1400	RES	--	--	--	--	--	--	--	--	--
VOCs														
1,1,1,2-Tetrachloroethane	ug/kg	--	--	1.96	RES	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	1114	RES	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	1.41	RES	--	--	--	--	--	--	--	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	--	--	16000	RES	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	1.18	RES	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	ug/kg	--	--	1.58	RES	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	8.05	RES	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	22000	ECO	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	142	RES	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	66	RES	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	142	RES	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	40.7	RES	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	29	RES	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	0.240	RES	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	1800	RES	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	0.5	RES	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	0.569	RES	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	36	RES	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	1700	RES	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	22000	ECO	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	5.55	RES	--	--	--	--	--	--	--	--	--
2-Chloro-1,1,1-trifluoroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethylvinyl ether	ug/kg	--	--	0.00957	RES	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	1220000	ECO	--	--	--	--	--	--	--	--	--

TABLE A-2 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – B1-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		B1BS0102	B1BS0103	B1BS0103	B1BS0104	B1BS0105	B1BS0147	B1BS0148	B1BS0160	B1BS0161
				Sample Name:		B1BS0102AS002	B1BS0103S001	B1BS0103AS002	B1BS0104S001	B1BS0105S001	B1BS0147S001	B1BS0148S001	B1BS0160S001	B1BS0161S001
				Collection Date:		3/2/2010	1/28/2010	3/2/2010	1/25/2010	1/25/2010	3/2/2010	3/2/2010	3/3/2010	3/3/2010
				Sample Depth (feet):		3.0 - 3.5	0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
Acetone	ug/kg	--	--	42711	ECO	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	0.13	RES	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	110000	ECO	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	25000	ECO	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	0.31	RES	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	38000	ECO	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	25000	ECO	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	ug/kg	--	--	0.042	RES	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	80.3	RES	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	190000	ECO	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	0.77	RES	--	--	--	--	--	--	--	--	--
Chloromethane	ug/kg	--	--	25000	ECO	--	--	--	--	--	--	--	--	--
Chlorotrifluoroethanes	ug/kg	--	--	64000	ECO	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	14	RES	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	22000	ECO	--	--	--	--	--	--	--	--	--
Cumene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	25000	ECO	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	15	RES	--	--	--	--	--	--	--	--	--
Ethylbenzene	ug/kg	--	--	4.64	RES	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	854	ECO	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	62000	RES	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone (MIBK)	ug/kg	--	--	19638	RES	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	ug/kg	--	--	120000	ECO	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	4	RES	--	--	--	--	--	--	--	--	--
m-Xylene & p-Xylene	ug/kg	--	--	150	RES	--	--	--	--	--	--	--	--	--
n-Butylbenzene	ug/kg	--	--	210000	ECO	--	--	--	--	--	--	--	--	--
n-Propylbenzene	ug/kg	--	--	203	RES	--	--	--	--	--	--	--	--	--
o-Chlorotoluene	ug/kg	--	--	160000	ECO	--	--	--	--	--	--	--	--	--
o-Xylene	ug/kg	--	--	190	RES	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	160000	ECO	--	--	--	--	--	--	--	--	--
p-Cymene	ug/kg	--	--	64000	ECO	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	29755	RES	--	--	--	--	--	--	--	--	--
sec-Dichloropropane	ug/kg	--	--	22000	ECO	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	7200	RES	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	210000	ECO	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	0.43	RES	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	234	RES	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	13.8	RES	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	4400	ECO	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	2.2	RES	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	ug/kg	--	--	110	RES	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	0.0096	RES	--	--	--	--	--	--	--	--	--

TABLE A-2 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – B1-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		B1BS0162	B1BS0163	B1BS0164	B1BS0165	B1BS0166	B1BS0167	B1BS0168	B1BS0169	B1BS0170
				Sample Name:		B1BS0162S001	B1BS0163S001	B1BS0164S001	B1BS0165S001	B1BS0166S001	B1BS0167S001	B1BS0168S001	B1BS0169S001	B1BS0170S001
				Collection Date:		3/9/2010	3/9/2010	3/9/2010	3/9/2010	3/9/2010	3/9/2010	3/9/2010	3/9/2010	3/9/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS														
Aluminum	mg/kg	20,000	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium	mg/kg	1.1	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	1	1	--	--	0.245 P	0.787 P	0.735 P	0.651 P	0.149 P	0.454 P	0.364 P	0.494 P	0.19 P
Copper	mg/kg	29	29	--	--	11.9 P	29.8 P	37.4 P	10.8 P	12.9 P	70 P	11.7 P	11.9 P	8.79 P
Lead	mg/kg	34	34	--	--	14.3 P	46.2 P	21.6 P	10.4 P	7.81 P	47.6 P	8.57 P	7.53 P	8.74 P
Selenium	mg/kg	0.655	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	mg/kg	110	--	--	--	--	--	--	--	--	--	--	--	--
DIOXINS														
TCDD TEQ	pg/g	0.87	3.0	--	--	--	--	101	--	--	--	--	1.36	--
TPH														
Gasoline Range Organics (C8-C11)	mg/kg	--	--	1.1	RES	--	--	--	--	--	--	--	--	--
Kerosene Range Organics (C11-C14)	mg/kg	--	--	1400	RES	--	--	--	--	--	--	--	--	--
Diesel Range Organics (C14-C20)	mg/kg	--	--	1400	RES	--	--	--	--	--	--	--	--	--
Diesel Range Organics (C20-C30)	mg/kg	--	--	1400	RES	--	--	--	--	--	--	--	--	--
VOCs														
1,1,1,2-Tetrachloroethane	ug/kg	--	--	1.96	RES	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	1114	RES	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	1.41	RES	--	--	--	--	--	--	--	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	--	--	16000	RES	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	1.18	RES	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	ug/kg	--	--	1.58	RES	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	8.05	RES	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	22000	ECO	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	142	RES	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	66	RES	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	142	RES	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	40.7	RES	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	29	RES	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	0.240	RES	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	1800	RES	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	0.5	RES	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	0.569	RES	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	36	RES	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	1700	RES	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	22000	ECO	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	5.55	RES	--	--	--	--	--	--	--	--	--
2-Chloro-1,1,1-trifluoroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethylvinyl ether	ug/kg	--	--	0.00957	RES	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	1220000	ECO	--	--	--	--	--	--	--	--	--

TABLE A-2 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – B1-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		B1BS0162	B1BS0163	B1BS0164	B1BS0165	B1BS0166	B1BS0167	B1BS0168	B1BS0169	B1BS0170
				Sample Name:		B1BS0162S001	B1BS0163S001	B1BS0164S001	B1BS0165S001	B1BS0166S001	B1BS0167S001	B1BS0168S001	B1BS0169S001	B1BS0170S001
				Collection Date:		3/9/2010	3/9/2010	3/9/2010	3/9/2010	3/9/2010	3/9/2010	3/9/2010	3/9/2010	3/9/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
Acetone	ug/kg	--	--	42711	ECO	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	0.13	RES	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	110000	ECO	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	25000	ECO	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	0.31	RES	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	38000	ECO	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	25000	ECO	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	ug/kg	--	--	0.042	RES	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	80.3	RES	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	190000	ECO	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	0.77	RES	--	--	--	--	--	--	--	--	--
Chloromethane	ug/kg	--	--	25000	ECO	--	--	--	--	--	--	--	--	--
Chlorotrifluoroethanes	ug/kg	--	--	64000	ECO	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	14	RES	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	22000	ECO	--	--	--	--	--	--	--	--	--
Cumene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	25000	ECO	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	15	RES	--	--	--	--	--	--	--	--	--
Ethylbenzene	ug/kg	--	--	4.64	RES	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	854	ECO	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	62000	RES	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone (MIBK)	ug/kg	--	--	19638	RES	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	ug/kg	--	--	120000	ECO	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	4	RES	--	--	--	--	--	--	--	--	--
m-Xylene & p-Xylene	ug/kg	--	--	150	RES	--	--	--	--	--	--	--	--	--
n-Butylbenzene	ug/kg	--	--	210000	ECO	--	--	--	--	--	--	--	--	--
n-Propylbenzene	ug/kg	--	--	203	RES	--	--	--	--	--	--	--	--	--
o-Chlorotoluene	ug/kg	--	--	160000	ECO	--	--	--	--	--	--	--	--	--
o-Xylene	ug/kg	--	--	190	RES	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	160000	ECO	--	--	--	--	--	--	--	--	--
p-Cymene	ug/kg	--	--	64000	ECO	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	29755	RES	--	--	--	--	--	--	--	--	--
sec-Dichloropropane	ug/kg	--	--	22000	ECO	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	7200	RES	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	210000	ECO	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	0.43	RES	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	234	RES	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	13.8	RES	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	4400	ECO	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	2.2	RES	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	ug/kg	--	--	110	RES	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	0.0096	RES	--	--	--	--	--	--	--	--	--

TABLE A-2 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – B1-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**B1BS0171**	**B1BS0172**
				Sample Name:		B1BS0171S001	B1BS0172S001
				Collection Date:		3/9/2010	3/9/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**
METALS							
Aluminum	mg/kg	20,000	--	--	--	--	--
Beryllium	mg/kg	1.1	--	--	--	--	--
Cadmium	mg/kg	1	1	--	--	0.586 P	0.217 P
Copper	mg/kg	29	29	--	--	18.5 P	9.42 P
Lead	mg/kg	34	34	--	--	25.8 P	5.58 P
Selenium	mg/kg	0.655	--	--	--	--	--
Zinc	mg/kg	110	--	--	--	--	--
DIOXINS							
TCDD TEQ	pg/g	0.87	3.0	--	--	--	--
TPH							
Gasoline Range Organics (C8-C11)	mg/kg	--	--	1.1	RES	--	--
Kerosene Range Organics (C11-C14)	mg/kg	--	--	1400	RES	--	--
Diesel Range Organics (C14-C20)	mg/kg	--	--	1400	RES	--	--
Diesel Range Organics (C20-C30)	mg/kg	--	--	1400	RES	--	--
VOCs							
1,1,1,2-Tetrachloroethane	ug/kg	--	--	1.96	RES	--	--
1,1,1-Trichloroethane	ug/kg	--	--	1114	RES	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	1.41	RES	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	--	--	16000	RES	--	--
1,1,2-Trichloroethane	ug/kg	--	--	1.18	RES	--	--
1,1-Dichloroethane	ug/kg	--	--	1.58	RES	--	--
1,1-Dichloroethene	ug/kg	--	--	8.05	RES	--	--
1,1-Dichloropropene	ug/kg	--	--	22000	ECO	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	142	RES	--	--
1,2,3-Trichloropropane	ug/kg	--	--	66	RES	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	142	RES	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	40.7	RES	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	29	RES	--	--
1,2-Dibromoethane	ug/kg	--	--	0.240	RES	--	--
1,2-Dichlorobenzene	ug/kg	--	--	1800	RES	--	--
1,2-Dichloroethane	ug/kg	--	--	0.5	RES	--	--
1,2-Dichloropropane	ug/kg	--	--	0.569	RES	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	36	RES	--	--
1,3-Dichlorobenzene	ug/kg	--	--	1700	RES	--	--
1,3-Dichloropropane	ug/kg	--	--	22000	ECO	--	--
1,4-Dichlorobenzene	ug/kg	--	--	5.55	RES	--	--
2-Chloro-1,1,1-trifluoroethane	ug/kg	--	--	--	--	--	--
2-Chloroethylvinyl ether	ug/kg	--	--	0.00957	RES	--	--
2-Hexanone	ug/kg	--	--	1220000	ECO	--	--

TABLE A-2 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – B1-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**B1BS0171**	**B1BS0172**
				Sample Name:		B1BS0171S001	B1BS0172S001
				Collection Date:		3/9/2010	3/9/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**
Acetone	ug/kg	--	--	42711	ECO	--	--
Benzene	ug/kg	--	--	0.13	RES	--	--
Bromobenzene	ug/kg	--	--	110000	ECO	--	--
Bromochloromethane	ug/kg	--	--	25000	ECO	--	--
Bromodichloromethane	ug/kg	--	--	0.31	RES	--	--
Bromoform	ug/kg	--	--	38000	ECO	--	--
Bromomethane	ug/kg	--	--	25000	ECO	--	--
Carbon Tetrachloride	ug/kg	--	--	0.042	RES	--	--
Chlorobenzene	ug/kg	--	--	80.3	RES	--	--
Chloroethane	ug/kg	--	--	190000	ECO	--	--
Chloroform	ug/kg	--	--	0.77	RES	--	--
Chloromethane	ug/kg	--	--	25000	ECO	--	--
Chlorotrifluoroethanes	ug/kg	--	--	64000	ECO	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	14	RES	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	22000	ECO	--	--
Cumene	ug/kg	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	25000	ECO	--	--
Dichlorodifluoromethane	ug/kg	--	--	15	RES	--	--
Ethylbenzene	ug/kg	--	--	4.64	RES	--	--
Hexachlorobutadiene	ug/kg	--	--	854	ECO	--	--
Methyl ethyl ketone	ug/kg	--	--	62000	RES	--	--
Methyl isobutyl ketone (MIBK)	ug/kg	--	--	19638	RES	--	--
Methyl tert-butyl ether	ug/kg	--	--	120000	ECO	--	--
Methylene chloride	ug/kg	--	--	4	RES	--	--
m-Xylene & p-Xylene	ug/kg	--	--	150	RES	--	--
n-Butylbenzene	ug/kg	--	--	210000	ECO	--	--
n-Propylbenzene	ug/kg	--	--	203	RES	--	--
o-Chlorotoluene	ug/kg	--	--	160000	ECO	--	--
o-Xylene	ug/kg	--	--	190	RES	--	--
p-Chlorotoluene	ug/kg	--	--	160000	ECO	--	--
p-Cymene	ug/kg	--	--	64000	ECO	--	--
sec-Butylbenzene	ug/kg	--	--	29755	RES	--	--
sec-Dichloropropane	ug/kg	--	--	22000	ECO	--	--
Styrene	ug/kg	--	--	7200	RES	--	--
tert-Butylbenzene	ug/kg	--	--	210000	ECO	--	--
Tetrachloroethene	ug/kg	--	--	0.43	RES	--	--
Toluene	ug/kg	--	--	234	RES	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	13.8	RES	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	4400	ECO	--	--
Trichloroethene	ug/kg	--	--	2.2	RES	--	--
Trichlorofluoromethane	ug/kg	--	--	110	RES	--	--
Vinyl chloride	ug/kg	--	--	0.0096	RES	--	--

B1 FOOTNOTES
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

Notes:

"--" - not analyzed / not applicable

* - Zero value for TCDD TEQ result indicates that all the analyitical results used to calculate the TEQ were non-detect.

[a] Soil background values from MWH (September 2005) Soil Background Report, Santa Susana Field Laboratory, Ventura County, California.

[b] ISRA SRGs are established for ISRA Constituents of Concern, which include constituents that were detected at concentrations that exceeded NPDES permit limits/benchmarks. SRGs for metals are equal to the 2005 background comparison concentration and the SRG for dioxins is approximately 3 times the 2005 background comparison concentration.

[c] RBSL values provided to DTSC in March 2009, Interim Final Human Health and Ecological Risk-Based Screening Levels (RBSLs) for Use in RCRA Facility

BG - background

bgs - below ground surface

Dioxins/ TCDD TEQ - A sum of 17 dioxin / furan congener results adjusted for toxicity. The TEQ is calculated by multiplying the result of each congener by its respective 2005 World Health Organization (WHO) toxic equivalency factor (TEF), which is based on the relative potency of the congener to cause a toxic response relative to 2,3,7,8-TCDD. Non Detects are calculated as zero. TCDD TEQ values do not include laboratory data not quantified (DNQ) as specified in the NPDES permit.

Grey highlighted cells indicate concentration exceeds the Soil Remediation Goal (SRG).

J - Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.

mg/kg - milligrams per kilogram

P - Preliminary data, data has not been validated

pg/g - picograms per gram

R - Result rejected during validation

RBSL - risk-based screening levels

SRG - Soil Remediation Goal

TCDD TEQ - tetrachlorobenzo-p-dioxin toxic equivalent (normalized to 2,3,7,8-TCDD)

ug/kg - micrograms per kilogram

TABLE A-3 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – IEL-1, IEL-3, and IEL-6
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**ILBS0249**	**ILBS0250**	**ILBS0250**	**ILBS0251**	**ILBS0251**	**ILBS0252**	**ILBS0253**	**ILBS0306**	**ILBS0307**	**ILBS0307**
				Sample Name:		ILBS0249S002	ILBS0250S001	ILBS0250S001SP	ILBS0251S001	ILBS0251S002	ILBS0252S001	ILBS0253S001	ILBS0306S001	ILBS0307S001	ILBS0307S001SP
				Collection Date:		6/3/2009	6/3/2009	6/3/2009	6/3/2009	6/3/2009	6/3/2009	6/3/2009	2/9/2010	2/8/2010	2/8/2010
				Sample Depth (feet):		4.5 - 5.0	0.5 - 1.0	0.5 - 1.0	0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	0.5 - 1.0	0.75 - 1.25	0.4 - 0.9	0.4 - 0.9
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS															
Arsenic	mg/kg	15	--	--	--	--	--	--	13.3	--	8.1	6.67	29.9 J	4.57 J	3.3
Cadmium	mg/kg	1	1	--	--	0.255 J	0.0591 J	0.045 J	0.358 J	--	--	0.0624 J	0.258	0.324	0.32
Copper	mg/kg	29	29	--	--	16.9 J	8.23 J	8.3	11.7 J	--	--	5.92 J	8.9 J	19 J	27
Lead	mg/kg	34	34	--	--	4.75 J	4.7 J	3.9	30.2 J	--	--	5.8	4.09 J	2.78 J	2.8
Mercury	mg/kg	0.09	0.09	--	--	0.19 J	<0.00434 J	<0.006 J	0.0235 J	<0.00439 J	0.00738 J	0.00644 J	<0.00433 J	0.0224 J	0.023
Zinc	mg/kg	110	--	--	--	64.2 J	45.3 J	46	195 J	50.2	--	48.4 J	--	--	--
PCBs															
Aroclor 1016	ug/kg	--	--	140	RES	<17.9 J	<3.65 J	<22	<3.48 J	--	--	<18.5 J	--	--	--
Aroclor 1221	ug/kg	--	--	140	RES	<17.9 J	<3.65 J	<22	<3.48 J	--	--	<18.5 J	--	--	--
Aroclor 1232	ug/kg	--	--	77.6	ECO	<17.9 J	<3.65 J	<22	<3.48 J	--	--	<18.5 J	--	--	--
Aroclor 1242	ug/kg	--	--	78.7	ECO	<17.9 J	<3.65 J	<22	<3.48 J	--	--	<18.5 J	--	--	--
Aroclor 1248	ug/kg	--	--	11.4	ECO	<17.9 J	<3.65 J	<22	<3.48 J	--	--	<18.5 J	--	--	--
Aroclor 1254	ug/kg	--	--	77.6	ECO	<17.9 J	<3.65 J	<22	<3.48 J	--	--	<18.5 J	--	--	--
Aroclor 1260	ug/kg	--	--	77.6	ECO	<17.9 J	<3.65 J	<22	<3.48 J	--	--	<18.5 J	--	--	--
SVOCs															
1-Methyl naphthalene	ug/kg	--	--	24,716	RES	<18	<18.2	1.3 J	<17.5	--	--	<18.3	--	--	--
2-Methylnaphthalene	ug/kg	--	--	210,000	ECO	<18	<18.2	1.9J	<17.5	--	--	<18.3	--	--	--
Acenaphthene	ug/kg	--	--	2,456	ECO	<18	<18.2	<21	<17.5	--	--	<18.3	--	--	--
Acenaphthylene	ug/kg	--	--	270,384	ECO	<18	<18.2	<21	<17.5	--	--	<18.3	--	--	--
Anthracene	ug/kg	--	--	2,384	ECO	<18	<18.2	<21	<17.5	--	--	<18.3	--	--	--
Benzo(a)anthracene	ug/kg	--	--	600	RES	37.8	<18.2	<21	30.1	--	--	<18.3	--	--	--
Benzo(a)pyrene	ug/kg	--	--	60	RES	49.4	<18.2	<21 J	41.1	--	--	<18.3	--	--	--
Benzo(b)fluoranthene	ug/kg	--	--	600	RES	87.7	<18.2	<21	61	--	--	<18.3	--	--	--
Benzo(ghi)perylene	ug/kg	--	--	6,411	ECO	25.8	<18.2	0.83 J	19.6	--	--	<18.3	--	--	--
Benzo(k)fluoranthene	ug/kg	--	--	600	RES	<18	<18.2	<21	<17.5	--	--	<18.3	--	--	--
bis(2-Ethylhexyl) phthalate	ug/kg	--	--	4,926	ECO	21.3	<18.2	<21	21.5	--	--	<18.3	--	--	--
Butyl benzyl phthalate	ug/kg	--	--	339,549	ECO	<18	<18.2	<21	<17.5	--	--	<18.3	--	--	--
Chrysene	ug/kg	--	--	2,359	ECO	34.6	<18.2	<21	32	--	--	<18.3	--	--	--
Dibenzo(a,h)anthracene	ug/kg	--	--	170	RES	<18	<18.2	<21	<17.5	--	--	<18.3	--	--	--
Diethyl phthalate	ug/kg	--	--	6,940,468	ECO	<18	<18.2	<21	<17.5	--	--	<18.3	--	--	--
Dimethyl phthalate	ug/kg	--	--	4,438	ECO	<18	<18.2	<21	<17.5	--	--	<18.3	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	488	ECO	6.59 J	5.57 J	<21	5.93 J	--	--	6.4 J	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	13,000	ECO	<18	<18.2	<21	<17.5	--	--	<18.3	--	--	--
Fluoranthene	ug/kg	--	--	38,000	ECO	26.1	<18.2	<21	39.4	--	--	<18.3	--	--	--
Fluorene	ug/kg	--	--	1,646	ECO	<18	<18.2	<21	<17.5	--	--	<18.3	--	--	--
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	600	RES	22.4	<18.2	<21	16.9 J	--	--	<18.3	--	--	--
Naphthalene	ug/kg	--	--	210,000	ECO	<18	<18.2	0.43 J	<17.5	--	--	<18.3	--	--	--
n-Nitrosodimethylamine	ug/kg	--	--	45	RES	<18	<18.2	<21	<17.5	--	--	<18.3	--	--	--
Phenanthrene	ug/kg	--	--	1,314	ECO	<18	<18.2	1 J	<17.5	--	--	<18.3	--	--	--
Pyrene	ug/kg	--	--	18,000	ECO	35.9	<18.2	0.45 J	42.6	--	--	<18.3	--	--	--

TABLE A-3 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – IEL-1, IEL-3, and IEL-6
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**ILBS0308**	**ILBS0309**	**ILBS0313**	**ILBS0316**	**ILBS0319**	**ILBS0319**	**ILBS0321**	**ILBS0324**
				Sample Name:		ILBS0308S001	ILBS0309S001	ILBS0313S001	ILBS0316S001	ILBS0319D001	ILBS0319S001	ILBS0321S001	ILBS0324S001
				Collection Date:		2/8/2010	2/8/2010	2/8/2010	2/8/2010	1/28/2010	1/28/2010	1/28/2010	2/8/2010
				Sample Depth (feet):		0.4 - 0.9	0.5 - 1.0	0.0 - 0.5	0.0 - 0.25	0.0 - 1.0	0.0 - 1.0	0.0 - 1.0	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS													
Arsenic	mg/kg	15	--	--	--	6.65 J	8.89 J	--	--	--	--	--	--
Cadmium	mg/kg	1	1	--	--	0.176 J	0.699	--	--	--	--	--	--
Copper	mg/kg	29	29	--	--	24 J	6.82 J	--	--	--	--	--	--
Lead	mg/kg	34	34	--	--	3.39 J	11.5 J	--	--	--	--	--	--
Mercury	mg/kg	0.09	0.09	--	--	0.0599	<0.00444 J	0.0182 J	0.0323	0.0151 J	0.0141 J	0.00682 J	0.0246 J
Zinc	mg/kg	110	--	--	--	--	--	78.7	86.2	41.5	52.6	61.3	64.3
PCBs													
Aroclor 1016	ug/kg	--	--	140	RES	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	140	RES	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	77.6	ECO	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	78.7	ECO	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	11.4	ECO	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	77.6	ECO	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	77.6	ECO	--	--	--	--	--	--	--	--
SVOCs													
1-Methyl naphthalene	ug/kg	--	--	24,716	RES	--	--	--	--	--	--	--	--
2-Methylnaphthalene	ug/kg	--	--	210,000	ECO	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	2,456	ECO	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	270,384	ECO	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	2,384	ECO	--	--	--	--	--	--	--	--
Benzo(a)anthracene	ug/kg	--	--	600	RES	--	--	--	--	--	--	--	--
Benzo(a)pyrene	ug/kg	--	--	60	RES	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	ug/kg	--	--	600	RES	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	ug/kg	--	--	6,411	ECO	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	ug/kg	--	--	600	RES	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl) phthalate	ug/kg	--	--	4,926	ECO	--	--	--	--	--	--	--	--
Butyl benzyl phthalate	ug/kg	--	--	339,549	ECO	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	2,359	ECO	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	ug/kg	--	--	170	RES	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	6,940,468	ECO	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	4,438	ECO	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	488	ECO	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	13,000	ECO	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	38,000	ECO	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	1,646	ECO	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	600	RES	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	210,000	ECO	--	--	--	--	--	--	--	--
n-Nitrosodimethylamine	ug/kg	--	--	45	RES	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	1,314	ECO	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	18,000	ECO	--	--	--	--	--	--	--	--

TABLE A-4 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – IEL-2, IEL-4, and IEL-5
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		ILBS0292	ILBS0294	ILBS0295	ILBS0295	ILBS0296	ILBS0296	ILBS0297	ILBS0297	ILBS0298	ILBS0304	ILBS0326	ILBS0326
				Sample Name:		ILBS0292S001	ILBS0294S001	ILBS0295S001	ILBS0295S002	ILBS0296S001	ILBS0296S002	ILBS0297S001	ILBS0297S002	ILBS0298S001	ILBS0304S001	ILBS0326S001	ILBS0326S002
				Collection Date:		1/28/2010	1/28/2010	1/27/2010	1/27/2010	1/28/2010	1/28/2010	1/27/2010	1/27/2010	1/27/2010	1/28/2010	2/9/2010	2/9/2010
				Sample Depth (feet):		0.0 - 1.0	0.0 - 1.0	0.0 - 1.0	4.5 - 5.5	0.0 - 1.0	4.5 - 5.5	0.0 - 1.0	4.5 - 5.5	0.0 - 1.0	0.0 - 1.0	0.0 - 1.0	4.5 - 5.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																	
Aluminum	mg/kg	20,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Antimony	mg/kg	8.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	140	--	--	--	--	--	--		--	--	--	--	--	--	--	--
Beryllium	mg/kg	1.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Boron	mg/kg	9.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	1	1	--	--	0.29	0.242	0.11 J	--	0.264	--	0.37	--	--	--	0.806	0.0926 J
Chromium	mg/kg	36.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cobalt	mg/kg	21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	29	29	--	--	--	--	--	--	--	--	--	--	7.95	7.95 P	--	--
Lead	mg/kg	34	34	--	--	4.22	4.59	5.75	--	14.8	--	6.29	--	--	5.63	24.9 J	5.6
Mercury	mg/kg	0.09	0.09	--	--	0.0138 J	0.0864	<0.0155	--	0.00942 J	--	<0.0199	--	--	--	4.49	0.227
Molybdenum	mg/kg	5.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	mg/kg	29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/kg	0.655	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	0.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	0.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	mg/kg	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE A-4 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – IEL-2, IEL-4, and IEL-5
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**ILBS0327**	**ILBS0327**	**ILBS0328**	**ILBS0329**	**ILBS0330**	**ILBS0330**
				Sample Name:		ILBS0327S001	ILBS0327S002	ILBS0328S001	ILBS0329S001	ILBS0330D001	ILBS0330S001
				Collection Date:		2/9/2010	2/9/2010	3/3/2010	3/3/2010	3/3/2010	3/3/2010
				Sample Depth (feet):		0.0 - 1.0	4.5 - 5.5	0.0 - 1.0	0.0 - 1.0	0.0 - 1.0	0.0 - 1.0
				Status:		In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS											
Aluminum	mg/kg	20,000	--	--	--	--	--	8,290	9,220	10,700	11,200
Antimony	mg/kg	8.7	--	--	--	--	--	<0.349 J	<0.352 J	<0.325 J	<0.349 J
Arsenic	mg/kg	15	--	--	--	--	--	6.23 J	6.41 J	7.61 J	6.46 J
Barium	mg/kg	140	--	--	--	--	--	75.7 J	86.9 J	82.2 J	84.5 J
Beryllium	mg/kg	1.1	--	--	--	--	--	0.351	0.482	0.409	0.483
Boron	mg/kg	9.7	--	--	--	--	--	<1.06	<1.07	<0.984	<1.06
Cadmium	mg/kg	1	1	--	--	1.56	0.0974 J	2.78	0.157 J	0.185 J	0.133 J
Chromium	mg/kg	36.8	--	--	--	--	--	16.6 J	16.5 J	14.1 J	16 J
Cobalt	mg/kg	21	--	--	--	--	--	5.56 J	5.24 J	4.58 J	4.9 J
Copper	mg/kg	29	29	--	--	--	--	21.7 J	7.55 J	8.59 J	7.31 J
Lead	mg/kg	34	34	--	--	45.1 J	4.81	41.7 J	5.36 J	5.91 J	4.94 J
Mercury	mg/kg	0.09	0.09	--	--	0.29	0.337	1.21 J	0.00496 J	0.0211 J	0.0122 J
Molybdenum	mg/kg	5.3	--	--	--	--	--	1.16	0.42	0.375	0.414
Nickel	mg/kg	29	--	--	--	--	--	10.8 J	10.2 J	9.22 J	10.3 J
Selenium	mg/kg	0.655	--	--	--	--	--	<0.537	<0.517	<0.55	<0.55
Silver	mg/kg	0.79	--	--	--	--	--	0.307	<0.0414	<0.044	<0.044
Thallium	mg/kg	0.46	--	--	--	--	--	0.195 J	0.267	0.21 J	0.242
Vanadium	mg/kg	62	--	--	--	--	--	23	26.4	25.8	26.3
Zinc	mg/kg	110	--	--	--	--	--	90.1 J	51.7 J	53 J	49.9 J

TABLE A-5 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – IEL-7 and IEL-8
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**ILBS0254**	**ILBS0255**	**ILBS0280**	**ILBS0300**	**ILBS0302**
				Sample Name:		ILBS0254S001	ILBS0255S001	ILBS0280AS001	ILBS0300S001	ILBS0302S001
				Collection Date:		6/5/2009	6/5/2009	2/9/2010	1/27/2010	1/27/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 1.0	0.0 - 1.0
				Status:		In Place	In Place	Excavated	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
DIOXINS										
TCDD TEQ	pg/g	0.87	3.0	--	--	0.155	1.80	0.383	0*	0*

IEL FOOTNOTES
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

Notes:

"--" - not analyzed / not applicable

* - Zero value for TCDD TEQ result indicates that all the analyitical results used to calculate the TEQ were non-detect.

[a] Soil background values from MWH (September 2005) Soil Background Report, Santa Susana Field Laboratory, Ventura County, California.

[b] ISRA SRGs are established for ISRA Constituents of Concern, which include constituents that were detected at concentrations that exceeded NPDES permit limits/benchmarks. SRGs for metals are equal to the 2005 background comparison concentration and the SRG for dioxins is approximately 3 times the 2005 background comparison concentration.

BG - background

bgs - below ground surface

Dioxins/ TCDD TEQ - A sum of 17 dioxin / furan congener results adjusted for toxicity. The TEQ is calculated by multiplying the result of each congener by its respective 2005 World Health Organization (WHO) toxic equivalency factor (TEF), which is based on the relative potency of the congener to cause a toxic response relative to 2,3,7,8-TCDD. Non Detects are calculated as zero. TCDD TEQ values do not include laboratory data not quantified (DNQ) as specified in the NPDES permit.

Grey highlighted cells indicate concentration exceeds the Soil Remediation Goal (SRG).

J - Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.

mg/kg - milligrams per kilogram

P - Preliminary data, data has not been validated

pg/g - picograms per gram

RBSL - risk-based screening levels

SRG - Soil Remediation Goal

TCDD TEQ - tetrachlorobenzo-p-dioxin toxic equivalent (normalized to 2,3,7,8-TCDD)

TABLE A-6 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – A1LF-1
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**A1BS0058**	**A1BS0059**	**A1BS0060**	**A1BS0061**	**A1BS0062**	**A1BS0064**
				Sample Name:		A1BS0058S001	A1BS0059S001	A1BS0060S001	A1BS0061S001	A1BS0062S001	A1BS0064S001
				Collection Date:		6/2/2009	6/2/2009	6/2/2009	6/2/2009	6/2/2009	6/5/2009
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS											
Cadmium	mg/kg	1	1	--	--	0.124 J	0.274	0.353	2.95	2.08	--
Copper	mg/kg	29	29	--	--	6.12	8.58	13.3	13.9	11.5	--
Lead	mg/kg	34	34	--	--	5.28	6.8	8.7	23.6	9.1	--
Mercury	mg/kg	0.09	0.09	--	--	0.0594	0.101	0.127	0.519	0.0141	--
DIOXINS											
TCDD TEQ	pg/g	0.87	3.0	--	--	--	--	--	--	--	2.45

TABLE A-7 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – A1LF-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		A1BS0063	A1BS0067	A1BS0068	A1BS0068	A1BS0073	A1BS0074	A1BS0075	A1BS0076	A1BS0077	A1BS0078	A1BS0079
				Sample Name:		A1BS0063S001	A1BS0067S001	A1BS0068S001	A1BS0068S002	A1BS0073S001	A1BS0074S001	A1BS0075S001	A1BS0076S001	A1BS0077S001	A1BS0078S001	A1BS0079S001
				Collection Date:		6/5/2009	2/8/2010	2/8/2010	2/8/2010	2/3/2010	2/3/2010	2/3/2010	2/3/2010	2/3/2010	2/3/2010	2/3/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																
Aluminum	mg/kg	20,000	--	--	--	--	13,100	21,500	18,000	8,790 P	10,600 P	13,000	--	12,700	--	10,300 P
Antimony	mg/kg	8.7	--	--	--	--	1.12 J	1.28 J	0.965 J	<0.417 P	<0.401 P	<3.92 J	--	<3.8 J	--	<0.402 P
Arsenic	mg/kg	15	--	--	--	--	10 J	2.36 J	7.98 J	8.87 P	13.5 P	16.8	--	8.29	--	19.2 P
Barium	mg/kg	140	--	--	--	--	63.4	54.9	61.2	81.8 P	71.4 P	71.2	--	77.6	--	70.6 P
Beryllium	mg/kg	1.1	--	--	--	--	0.557	0.246	0.607	0.39 P	0.438 P	0.511	--	0.463	--	0.532 P
Boron	mg/kg	9.7	--	--	--	--	<12 J	<12.8	<10.4	<1.26 P	<1.22 P	11.9	--	<11.5 J	--	<1.22 P
Cadmium	mg/kg	1	1	--	--	--	0.368	0.254	0.113 J	0.809 P	0.858 P	0.276	--	0.697	--	0.784 P
Chromium	mg/kg	36.8	--	--	--	--	17.6 J	55.2 J	27.8 J	21.5 P	28.5 P	29 J	--	21.3 J	--	23.2 P
Cobalt	mg/kg	21	--	--	--	--	6.85 J	20.9 J	6.45 J	5.9 P	5.95 P	6.67	--	5.3	--	6.15 P
Copper	mg/kg	29	29	--	--	--	9.19 J	24.2 J	9.54 J	17.3 P	12.8 P	13 J	--	11.9 J	--	11.3 P
Lead	mg/kg	34	34	--	--	--	28.1 J	12.2 J	4.14 J	19.7 P	15.1 P	9.68	--	23.6	--	17.5 P
Mercury	mg/kg	0.09	0.09	--	--	--	0.0337	<0.0054 J	0.0064 J	0.0756 P	0.0289 P	0.0225	--	0.0648	--	0.0728 P
Molybdenum	mg/kg	5.3	--	--	--	--	0.662	<0.288	<0.38	0.567 P	0.737 P	<0.491	--	<0.572	--	0.602 P
Nickel	mg/kg	29	--	--	--	--	11.8	85.3	20.1	13.7 P	16.3 P	17.7 J	--	12.7 J	--	14.8 P
Selenium	mg/kg	0.655	--	--	--	--	<0.598	<0.634	<0.581	<0.615 P	<0.58 P	<0.593	--	<0.607	--	0.592 P
Silver	mg/kg	0.79	--	--	--	--	0.315	0.0733 J	0.0492 J	9.77 P	5.49 P	7.41	--	9.9	--	4.01 P
Thallium	mg/kg	0.46	--	--	--	--	0.157 J	0.09 J	0.218	0.279 P	0.209 P	0.245	--	0.238 J	--	0.252 P
Vanadium	mg/kg	62	--	--	--	--	32	75.9	44	34.4 P	36.4 P	39	--	30	--	37.7 P
Zinc	mg/kg	110	--	--	--	--	53.9 J	73.1 J	45.5 J	87.1 P	74.2 P	54.4	--	71.4	--	74.4 P
DIOXINS																
TCDD TEQ	pg/g	0.87	3.0	--	--	2.38	0.257	0.373	--	0.267	2.83	--	1.00	--	0.489	--
PCBs																
Aroclor 1016	ug/kg	--	--	140	RES	--	<3.99	<22.4	<3.89	<21.2 P	<20.2 P	<3.98	--	<20.4	--	<20.6 P
Aroclor 1221	ug/kg	--	--	140	RES	--	<3.99	<22.4	<3.89	<21.2 P	<20.2 P	<3.98	--	<20.4	--	<20.6 P
Aroclor 1232	ug/kg	--	--	77.6	ECO	--	<3.99	<22.4	<3.89	<21.2 P	<20.2 P	<3.98	--	<20.4	--	<20.6 P
Aroclor 1242	ug/kg	--	--	78.7	ECO	--	<3.99	<22.4	<3.89	<21.2 P	<20.2 P	<3.98	--	<20.4	--	<20.6 P
Aroclor 1248	ug/kg	--	--	11.4	ECO	--	<3.99	<22.4	<3.89	<21.2 P	<20.2 P	<3.98	--	<20.4	--	<20.6 P
Aroclor 1254	ug/kg	--	--	77.6	ECO	--	<3.99	<22.4	<3.89	44.4 P	82.3 P	8	--	67.6	--	22.2 P
Aroclor 1260	ug/kg	--	--	77.6	ECO	--	<3.99	<22.4	<3.89	40.9 P	46.6 P	6.2	--	57.9	--	24.4 P

TABLE A-7 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – A1LF-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		A1BS0080	A1BS0082	A1BS0083	A1BS0085	A1BS0086	A1BS0087	A1BS0088	A1BS0089	A1BS0090	A1BS0091	A1BS0092
				Sample Name:		A1BS0080S001	A1BS0082S001	A1BS0083S001	A1BS0085S001	A1BS0086S001	A1BS0087S001	A1BS0088S001	A1BS0089S001	A1BS0090S001	A1BS0091S001	A1BS0092S001
				Collection Date:		2/3/2010	2/3/2010	2/3/2010	2/4/2010	2/4/2010	2/4/2010	2/4/2010	2/4/2010	2/4/2010	2/4/2010	2/4/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																
Aluminum	mg/kg	20,000	--	--	--	10,300 P	--	11,200	7,990	9,590	16,500	--	15,200	--	10,600	11,500
Antimony	mg/kg	8.7	--	--	--	<0.403 P	--	<3.8 J	<0.38	<0.388	<3.67 J	--	<3.76 J	--	<0.381	<0.397
Arsenic	mg/kg	15	--	--	--	3.54 P	--	18.2	4.64 J	6.89 J	8.58	--	10.3	--	6.31 J	6.33 J
Barium	mg/kg	140	--	--	--	55.2 P	--	71.8	31.1 J	87.9 J	67.1	--	70.8	--	70.2 J	69.4 J
Beryllium	mg/kg	1.1	--	--	--	0.475 P	--	0.487	0.264	0.49	0.737	--	0.596	--	0.388	0.51
Boron	mg/kg	9.7	--	--	--	<1.22 P	--	<11.5 J	2.71 J	3.18 J	<11.1 J	--	<11.4 J	--	1.97 J	2.73 J
Cadmium	mg/kg	1	1	--	--	0.0672 P	--	0.292	0.215 J	0.354	0.11 J	--	0.109 J	--	0.438	1.4
Chromium	mg/kg	36.8	--	--	--	17.4 P	--	19.9 J	8.13 J	25.9 J	35.8 J	--	25.9 J	--	21.7 J	18.3 J
Cobalt	mg/kg	21	--	--	--	1.7 P	--	5.46	2.65 J	9.73 J	10	--	9.59	--	6.88 J	6.95 J
Copper	mg/kg	29	29	--	--	5.4 P	--	10.6 J	4.36 J	14.4 J	11.8 J	--	9 J	--	13.8 J	16.4 J
Lead	mg/kg	34	34	--	--	3.11 P	--	29.6	10.2 J	31.3 J	9.17	--	5.79	--	22.6 J	20.1 J
Mercury	mg/kg	0.09	0.09	--	--	0.0109 P	--	0.0437	0.563 J	0.167 J	0.0381	--	0.037	--	0.0364 J	0.101 J
Molybdenum	mg/kg	5.3	--	--	--	0.192 P	--	<0.573	<0.24	0.608	<0.534	--	0.801	--	0.554	0.781
Nickel	mg/kg	29	--	--	--	9.9 P	--	13.1 J	5.45 J	20.1 J	26.5 J	--	17.4 J	--	17.8 J	12.2 J
Selenium	mg/kg	0.655	--	--	--	<0.596 P	--	<0.571	<0.565	<0.575	<0.547	--	<0.53	--	<0.58	<0.613
Silver	mg/kg	0.79	--	--	--	0.577 P	--	0.485	2.15 J	1.1 J	0.419	--	0.0719 J	--	0.183 J	1.12 J
Thallium	mg/kg	0.46	--	--	--	0.132 P	--	0.216 J	<0.226	<0.23	0.227	--	0.268	--	<0.232	<0.245
Vanadium	mg/kg	62	--	--	--	15.3 P	--	30	14.5 J	45.4 J	50	--	39.9	--	37.3 J	30.9 J
Zinc	mg/kg	110	--	--	--	23.3 P	--	61.7	31.5 J	83.4 J	48.8	--	45.3	--	72.9 J	92.8 J
DIOXINS																
TCDD TEQ	pg/g	0.87	3.0	--	--	--	0.449	0*	10.5	--	--	0.0114	--	0.806	--	--
PCBs																
Aroclor 1016	ug/kg	--	--	140	RES	<20.2 P	--	<19.5	<197	<19.7	<3.97	--	<3.91	--	<19.7	<20.6
Aroclor 1221	ug/kg	--	--	140	RES	<20.2 P	--	<19.5	<197	<19.7	<3.97	--	<3.91	--	<19.7	<20.6
Aroclor 1232	ug/kg	--	--	77.6	ECO	<20.2 P	--	<19.5	<197	<19.7	<3.97	--	<3.91	--	<19.7	<20.6
Aroclor 1242	ug/kg	--	--	78.7	ECO	<20.2 P	--	<19.5	<197	<19.7	<3.97	--	<3.91	--	<19.7	<20.6
Aroclor 1248	ug/kg	--	--	11.4	ECO	<20.2 P	--	<19.5	<197	<19.7	<3.97	--	<3.91	--	<19.7	<20.6
Aroclor 1254	ug/kg	--	--	77.6	ECO	10.8 P	--	32	2250	128	<3.97	--	4.1	--	25.5	54.9 J
Aroclor 1260	ug/kg	--	--	77.6	ECO	14.3 P	--	17.2	988	104	<3.97	--	3 J	--	18.8	60.6

TABLE A-7 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – A1LF-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		A1BS0093	A1BS0094	A1BS0095	A1BS0096	A1BS0097	A1BS0098	A1BS0098	A1BS0099	A1BS0100	A1BS0101	A1BS0102
				Sample Name:		A1BS0093S001	A1BS0094S001	A1BS0095S001	A1BS0096S001	A1BS0097S001	A1BS0098D001	A1BS0098S001	A1BS0099S001	A1BS0100S001	A1BS0101S001	A1BS0102S001
				Collection Date:		2/4/2010	2/4/2010	2/8/2010	2/8/2010	2/4/2010	2/9/2010	2/9/2010	2/8/2010	2/8/2010	2/4/2010	2/8/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																
Aluminum	mg/kg	20,000	--	--	--	9,610	--	--	--	16,400	9,700 P	7,620 P	8,390	--	13,500	--
Antimony	mg/kg	8.7	--	--	--	<3.92 J	--	--	--	<0.412	1.61 P	0.878 P	<3.8 J	--	<3.81 J	--
Arsenic	mg/kg	15	--	--	--	5.94	--	--	--	8.64 J	7.16 P	6.87 P	5.93	--	8.4	--
Barium	mg/kg	140	--	--	--	78.1	--	--	--	82.9 J	57.5 P	59.3 P	67.7	--	89.5	--
Beryllium	mg/kg	1.1	--	--	--	0.389	--	--	--	0.468	0.38 P	0.38 P	0.383	--	0.572	--
Boron	mg/kg	9.7	--	--	--	<11.9 J	--	--	--	4.21 J	<1.13 P	<1.04 P	<11.5 J	--	<11.5 J	--
Cadmium	mg/kg	1	1	--	--	0.507	--	--	--	1.11	1.54 P	1.8 P	2.13	--	1.09	--
Chromium	mg/kg	36.8	--	--	--	20.2 J	--	--	--	27.6 J	12.6 P	13 P	16.5 J	--	29.7 J	--
Cobalt	mg/kg	21	--	--	--	5.51	--	--	--	8.48 J	3.94 P	4.49 P	4.38	--	8.95	--
Copper	mg/kg	29	29	--	--	11.5 J	--	--	--	14.6 J	11.1 P	10.8 P	14.5 J	--	13.8 J	--
Lead	mg/kg	34	34	--	--	28.3	--	--	--	13.5 J	12.4 P	13.6 P	19.8	--	16.3	--
Mercury	mg/kg	0.09	0.09	--	--	0.0247	--	--	--	0.0405 J	0.029 P	0.0401 P	0.012 J	--	0.0592	--
Molybdenum	mg/kg	5.3	--	--	--	0.704	--	--	--	0.665	0.614 P	0.541 P	<0.614	--	0.654	--
Nickel	mg/kg	29	--	--	--	14.3 J	--	--	--	23.9 J	8.46 P	9.04 P	9.41 J	--	29.4 J	--
Selenium	mg/kg	0.655	--	--	--	<0.559	--	--	--	<0.609	<0.528 P	<0.572 P	<0.601	--	<0.559	--
Silver	mg/kg	0.79	--	--	--	0.882	--	--	--	0.311 J	1.02 P	0.197 P	0.176 J	--	0.206 J	--
Thallium	mg/kg	0.46	--	--	--	0.218 J	--	--	--	<0.244	0.183 P	0.168 P	0.172 J	--	<0.223	--
Vanadium	mg/kg	62	--	--	--	28	--	--	--	41.6 J	22.9 P	21.3 P	24	--	40.8	--
Zinc	mg/kg	110	--	--	--	65.8	--	--	--	80.5 J	83.8 P	83 P	118	--	78	--
DIOXINS																
TCDD TEQ	pg/g	0.87	3.0	--	--	--	1.19	--	0.115	--	3.57	4.65	--	1.35	--	1.57
PCBs																
Aroclor 1016	ug/kg	--	--	140	RES	<4.03	--	--	--	<20.8	<19.5 P	<19 P	<4.07	--	<19.5	--
Aroclor 1221	ug/kg	--	--	140	RES	<4.03	--	--	--	<20.8	<19.5 P	<19 P	<4.07	--	<19.5	--
Aroclor 1232	ug/kg	--	--	77.6	ECO	<4.03	--	--	--	<20.8	<19.5 P	<19 P	<4.07	--	<19.5	--
Aroclor 1242	ug/kg	--	--	78.7	ECO	<4.03	--	--	--	<20.8	<19.5 P	<19 P	<4.07	--	<19.5	--
Aroclor 1248	ug/kg	--	--	11.4	ECO	<4.03	--	--	--	<20.8	<19.5 P	<19 P	<4.07	--	<19.5	--
Aroclor 1254	ug/kg	--	--	77.6	ECO	27.9 J	--	--	--	40.7	46.2 P	62.8 P	13.3	--	<19.5	--
Aroclor 1260	ug/kg	--	--	77.6	ECO	16.5	--	--	--	38.3	76.4 P	68.4 P	12.4	--	<19.5	--

TABLE A-7 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – A1LF-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		A1BS0103	A1BS0104	A1BS0106	A1BS0108	A1BS0109	A1BS0111	A1BS0113	A1BS0114	A1BS05	A1BS06	A1BS07
				Sample Name:		A1BS0103S001	A1BS0104S001	A1BS0106S001	A1BS0108S001	A1BS0109S001	A1BS0111S001	A1BS0113S001	A1BS0114S001	A1BS05AS001	A1BS06AS001	A1BS07AS001
				Collection Date:		3/3/2010	3/3/2010	3/3/2010	3/3/2010	3/2/2010	3/3/2010	3/3/2010	3/17/2010	2/2/2010	2/2/2010	2/2/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																
Aluminum	mg/kg	20,000	--	--	--	4,840 P	--	--	9,490 P	--	--	16,400 P	9,630 P	--	--	--
Antimony	mg/kg	8.7	--	--	--	0.326 P	--	--	0.383 P	--	--	0.407 P	0.468 P	--	--	--
Arsenic	mg/kg	15	--	--	--	2.63 P	--	--	16.5 P	--	--	4.84 P	7.23 P	--	--	--
Barium	mg/kg	140	--	--	--	44.3 P	--	--	50 P	--	--	83.1 P	99.6 P	--	--	--
Beryllium	mg/kg	1.1	--	--	--	0.228 P	--	--	0.345 P	--	--	0.455 P	0.527 P	--	--	--
Boron	mg/kg	9.7	--	--	--	0.989 P	--	--	1.16 P	--	--	3.22 P	1.99 P	--	--	--
Cadmium	mg/kg	1	1	--	--	0.128 P	--	--	0.116 P	--	--	0.277 P	0.319 P	--	--	--
Chromium	mg/kg	36.8	--	--	--	17.1 P	--	--	23 P	--	--	56.7 P	20.8 P	--	--	--
Cobalt	mg/kg	21	--	--	--	5.44 P	--	--	6.95 P	--	--	19 P	6.39 P	--	--	--
Copper	mg/kg	29	29	--	--	10.8 P	--	--	9.59 P	--	--	25.7 P	11.5 P	--	--	--
Lead	mg/kg	34	34	--	--	24 P	--	--	7.14 P	--	--	42.4 P	19.2 P	--	--	--
Mercury	mg/kg	0.09	0.09	--	--	0.0183 P	--	--	0.0119 P	--	--	0.0386 P	0.0376 P	--	--	--
Molybdenum	mg/kg	5.3	--	--	--	0.412 P	--	--	0.324 P	--	--	0.464 P	3.21 P	--	--	--
Nickel	mg/kg	29	--	--	--	15.6 P	--	--	17.7 P	--	--	70.1 P	16.9 P	--	--	--
Selenium	mg/kg	0.655	--	--	--	0.52 P	--	--	0.563 P	--	--	0.625 P	0.163 P	--	--	--
Silver	mg/kg	0.79	--	--	--	0.0458 P	--	--	4.08 P	--	--	0.08 P	0.131 P	--	--	--
Thallium	mg/kg	0.46	--	--	--	0.127 P	--	--	0.207 P	--	--	0.245 P	0.237 P	--	--	--
Vanadium	mg/kg	62	--	--	--	27.4 P	--	--	33.8 P	--	--	80.1 P	35.6 P	--	--	--
Zinc	mg/kg	110	--	--	--	60.2 P	--	--	57.6 P	--	--	99.2 P	58.2 P	--	--	--
DIOXINS																
TCDD TEQ	pg/g	0.87	3.0	--	--	1.95	0.0953 P	2.34 P	2.24	0.0647 P	3.32 P	--	0.625 P	1.72	0.993	0.450
PCBs																
Aroclor 1016	ug/kg	--	--	140	RES	<35.9 P	--	--	<39.8 P	--	--	--	<19.2 P	--	--	--
Aroclor 1221	ug/kg	--	--	140	RES	<35.9 P	--	--	<39.8 P	--	--	--	<19.2 P	--	--	--
Aroclor 1232	ug/kg	--	--	77.6	ECO	<35.9 P	--	--	<39.8 P	--	--	--	<19.2 P	--	--	--
Aroclor 1242	ug/kg	--	--	78.7	ECO	<35.9 P	--	--	<39.8 P	--	--	--	<19.2 P	--	--	--
Aroclor 1248	ug/kg	--	--	11.4	ECO	<35.9 P	--	--	<39.8 P	--	--	--	<19.2 P	--	--	--
Aroclor 1254	ug/kg	--	--	77.6	ECO	<35.9 P	--	--	<39.8 P	--	--	--	<19.2 P	--	--	--
Aroclor 1260	ug/kg	--	--	77.6	ECO	<35.9 P	--	--	<39.8 P	--	--	--	<19.2 P	--	--	--

TABLE A-7 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – A1LF-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**A1BS08**	**A1BS09**
				Sample Name:		A1BS08AS001	A1BS09AS001
				Collection Date:		2/2/2010	2/2/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**
METALS							
Aluminum	mg/kg	20,000	--	--	--	--	--
Antimony	mg/kg	8.7	--	--	--	--	--
Arsenic	mg/kg	15	--	--	--	--	--
Barium	mg/kg	140	--	--	--	--	--
Beryllium	mg/kg	1.1	--	--	--	--	--
Boron	mg/kg	9.7	--	--	--	--	--
Cadmium	mg/kg	1	1	--	--	--	--
Chromium	mg/kg	36.8	--	--	--	--	--
Cobalt	mg/kg	21	--	--	--	--	--
Copper	mg/kg	29	29	--	--	--	--
Lead	mg/kg	34	34	--	--	--	--
Mercury	mg/kg	0.09	0.09	--	--	--	--
Molybdenum	mg/kg	5.3	--	--	--	--	--
Nickel	mg/kg	29	--	--	--	--	--
Selenium	mg/kg	0.655	--	--	--	--	--
Silver	mg/kg	0.79	--	--	--	--	--
Thallium	mg/kg	0.46	--	--	--	--	--
Vanadium	mg/kg	62	--	--	--	--	--
Zinc	mg/kg	110	--	--	--	--	--
DIOXINS							
TCDD TEQ	pg/g	0.87	3.0	--	--	0.861	0*
PCBs							
Aroclor 1016	ug/kg	--	--	140	RES	--	--
Aroclor 1221	ug/kg	--	--	140	RES	--	--
Aroclor 1232	ug/kg	--	--	77.6	ECO	--	--
Aroclor 1242	ug/kg	--	--	78.7	ECO	--	--
Aroclor 1248	ug/kg	--	--	11.4	ECO	--	--
Aroclor 1254	ug/kg	--	--	77.6	ECO	--	--
Aroclor 1260	ug/kg	--	--	77.6	ECO	--	--

TABLE A-8 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – A1LF-3
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**ENBS0102**	**ENBS0103**	**ENBS0104**	**ENBS0105**	**ENBS0109**	**ENBS0114**
				Sample Name:		ENBS0102S001	ENBS0103S001	ENBS0104S001	ENBS0105S001	ENBS0109S001	ENBS0114S001
				Collection Date:		1/28/2010	1/28/2010	1/28/2010	1/28/2010	1/29/2010	2/1/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS											
Lead	mg/kg	34	34	--	--	45.2	18	19	79.8	25	13.8 J
DIOXINS											
TCDD TEQ	pg/g	0.87	3.0	--	--	--	--	--	--	0.210	1.15 P

A1LF FOOTNOTES
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

Notes:

"--" - not analyzed / not applicable

* - Zero value for TCDD TEQ result indicates that all the analyitical results used to calculate the TEQ were non-detect.

[a] Soil background values from MWH (September 2005) Soil Background Report, Santa Susana Field Laboratory, Ventura County, California.

[b] ISRA SRGs are established for ISRA Constituents of Concern, which include constituents that were detected at concentrations that exceeded NPDES permit limits/benchmarks. SRGs for metals are equal to the 2005 background comparison concentration and the SRG for dioxins is approximately 3 times the 2005 background comparison concentration.

[c] RBSL values provided to DTSC in March 2009, Interim Final Human Health and Ecological Risk-Based Screening Levels (RBSLs) for Use in RCRA Facility

BG - background

bgs - below ground surface

Dioxins/ TCDD TEQ - A sum of 17 dioxin / furan congener results adjusted for toxicity. The TEQ is calculated by multiplying the result of each congener by its respective 2005 World Health Organization (WHO) toxic equivalency factor (TEF), which is based on the relative potency of the congener to cause a toxic response relative to 2,3,7,8-TCDD. Non Detects are calculated as zero. TCDD TEQ values do not include laboratory data not quantified (DNQ) as specified in the NPDES permit.

Grey highlighted cells indicate concentration exceeds the Soil Remediation Goal (SRG).

J - Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.

mg/kg - milligrams per kilogram

P - Preliminary data, data has not been validated

pg/g - picograms per gram

R - Result rejected during validation

RBSL - risk-based screening levels

SRG - Soil Remediation Goal

TCDD TEQ - tetrachlorobenzo-p-dioxin toxic equivalent (normalized to 2,3,7,8-TCDD)

TABLE A-9 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-1 and CTLI-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		ENBS0084	ENBS0094	ENBS0094	ENBS0095	ENBS0096	ENBS0096	ENBS0148	ENBS0150	ENBS0153	ENBS0155
				Sample Name:		ENBS0084S001	ENBS0094AS001	ENBS0094S001	ENBS0095S001	ENBS0096S001	ENBS0096AS001	ENBS0148S001	ENBS0150S001	ENBS0153S001	ENBS0155S001
				Collection Date:		6/2/2009	2/4/2010	7/14/2009	7/14/2009	7/14/2009	2/3/2010	2/4/2010	2/3/2010	2/3/2010	2/3/2010
				Sample Depth (feet):		0.0 - 0.5	3.3 - 3.8	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	4.0 - 4.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS															
Aluminum	mg/kg	20,000	--	--	--	--	--	--	--	--	--	--	--	--	--
Antimony	mg/kg	8.7	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	15	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	140	--	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium	mg/kg	1.1	--	--	--	--	--	--	--	--	--	--	--	--	--
Boron	mg/kg	9.7	--	--	--	--	--	--	--	--	--				
Cadmium	mg/kg	1	1	--	--	--	--	--	--	--	--	--	--	--	--
Chromium	mg/kg	36.8	--	--	--	--	--	--	--	--	--	--	--	--	--
Cobalt	mg/kg	21	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	29	29	--	--	10.7	--	--	--	--	--	--	--	--	--
Lead	mg/kg	34	34	--	--	40.7	4.28 J	52.2 J	24 J	39.6 J	6.48 J	31.3 J	20.3 J	9.38 J	4.38 J
Mercury	mg/kg	0.09	0.09	--	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	5.3	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	mg/kg	29	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/kg	0.655	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	0.79	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	0.46	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	62	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	mg/kg	110	--	--	--	--	--	--	--	--	--	--	--	--	--
DIOXINS															
TCDD TEQ	pg/g	0.87	3.0	--	--	0.128	--	--	--	--	--	--	--	--	--
PCBs															
Aroclor 1016	ug/kg	--	--	140	RES	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	140	RES	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	77.6	ECO	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	78.7	ECO	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	11.4	ECO	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	77.6	ECO	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	77.6	ECO	--	--	--	--	--	--	--	--	--	--
SVOCs															
1-Methyl naphthalene	ug/kg	--	--	24,716	RES	<17.1 J	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	ug/kg	--	--	210,000	ECO	<17.1 J	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	2,456	ECO	<17.1 J	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	270,384	ECO	<17.1 J	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	2,384	ECO	<17.1 J	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	ug/kg	--	--	600	RES	<17.1 J	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	ug/kg	--	--	60	RES	<17.1 J	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	ug/kg	--	--	600	RES	7.9 J	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	ug/kg	--	--	6,411	ECO	<17.1 J	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	ug/kg	--	--	600	RES	<17.1 J	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl) phthalate	ug/kg	--	--	4,926	ECO	<34.9 J	--	--	--	--	--	--	--	--	--

TABLE A-9 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-1 and CTLI-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		ENBS0084	ENBS0094	ENBS0094	ENBS0095	ENBS0096	ENBS0096	ENBS0148	ENBS0150	ENBS0153	ENBS0155
				Sample Name:		ENBS0084S001	ENBS0094AS001	ENBS0094S001	ENBS0095S001	ENBS0096S001	ENBS0096AS001	ENBS0148S001	ENBS0150S001	ENBS0153S001	ENBS0155S001
				Collection Date:		6/2/2009	2/4/2010	7/14/2009	7/14/2009	7/14/2009	2/3/2010	2/4/2010	2/3/2010	2/3/2010	2/3/2010
				Sample Depth (feet):		0.0 - 0.5	3.3 - 3.8	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	4.0 - 4.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
Butyl benzyl phthalate	ug/kg	--	--	339,549	ECO	12.3 J	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	2,359	ECO	<17.1 J	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	ug/kg	--	--	170	RES	<17.1 J	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	6,940,468	ECO	<17.1 J	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	4,438	ECO	<17.1 J	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	488	ECO	<17.1 J	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	13,000	ECO	<17.1 J	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	38,000	ECO	<17.1 J	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	1,646	ECO	<17.1 J	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	600	RES	<17.1 J	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	210,000	ECO	<17.1 J	--	--	--	--	--	--	--	--	--
n-Nitrosodimethylamine	ug/kg	--	--	45	RES	<17.1 J	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	1,314	ECO	<17.1 J	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	18,000	ECO	5.48 J	--	--	--	--	--	--	--	--	--

TABLE A-9 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-1 and CTLI-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**ENBS0156**	**LFBS0209**	**LFBS0240**	**LFBS0241**	**LFBS0242**	**LFBS0245**	**LFBS0246**	**LFBS0246**	**LFBS0246**
				Sample Name:		ENBS0156S001	LFBS0209AS001	LFBS0240S001	LFBS0241S001	LFBS0242S001	LFBS0245S001	LFBS0246S001	LFBS0246AS001	LFBS0246AS002
				Collection Date:		2/4/2010	2/3/2010	2/2/2010	2/2/2010	2/2/2010	7/14/2009	7/14/2009	2/2/2010	2/2/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	3.0 - 3.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS														
Aluminum	mg/kg	20,000	--	--	--	--	--	11,100 P	11,500 P	12,000 P	--	--	--	16,700 P
Antimony	mg/kg	8.7	--	--	--	--	--	<0.387 P	<0.379 P	<0.381 P	--	--	--	1.94 P
Arsenic	mg/kg	15	--	--	--	--	--	5.79 P	7.92 P	6.43 P	9.07	4.97	--	2.45 P
Barium	mg/kg	140	--	--	--	--	--	96.9 P	80.7 P	105 P	76.7	89	--	69.2 P
Beryllium	mg/kg	1.1	--	--	--	--	--	0.653 P	0.786 P	0.875 P	--	0.458	--	0.593 P
Boron	mg/kg	9.7	--	--	--		--	1.43 P	<1.15 P	<1.15 P	--	--	--	1.17 P
Cadmium	mg/kg	1	1	--	--	--	--	0.245 P	0.164 P	0.173 P	0.221	0.651	--	0.118 P
Chromium	mg/kg	36.8	--	--	--	--	--	19 P	21.4 P	21 P	22.8	16.3	--	18.8 P
Cobalt	mg/kg	21	--	--	--	--	--	5.72 P	9.1 P	5.98 P	7.79 J	9.72 J	--	6.1 P
Copper	mg/kg	29	29	--	--	--	--	11.5 P	12 P	11 P	14.9 J	10.3 J	--	7.54 P
Lead	mg/kg	34	34	--	--	28.3	--	25.8 P	28 P	11.2 P	21.8 J	54.2 J	--	4.91 P
Mercury	mg/kg	0.09	0.09	--	--	--	--	0.0142 P	<0.0045 P	0.0151 P	--	--	0.00827 J	0.0117 P
Molybdenum	mg/kg	5.3	--	--	--	--	--	0.605 P	0.569 P	0.547 P	0.579	0.498	--	0.696 P
Nickel	mg/kg	29	--	--	--	--	--	13.3 P	12.1 P	11.8 P	14.5	13.7	--	12.6 P
Selenium	mg/kg	0.655	--	--	--	--	--	<0.601 P	<0.547 P	0.575 P	<0.511	<0.581	--	0.529 P
Silver	mg/kg	0.79	--	--	--	--	--	0.0493 P	0.0444 P	<0.046 P	0.0517 J	0.0514 J	--	0.0506 P
Thallium	mg/kg	0.46	--	--	--	--	--	0.335 P	0.368 P	0.28 P	0.386	0.337	--	0.203 P
Vanadium	mg/kg	62	--	--	--	--	--	36.7 P	41.2 P	43.5 P	36.5	--	--	33 P
Zinc	mg/kg	110	--	--	--	--	--	81.5 P	76.1 P	64.3 P	110	220	--	45.3 P
DIOXINS														
TCDD TEQ	pg/g	0.87	3.0	--	--	--	1.46	0.490	0*	--	--	--	1.86	--
PCBs														
Aroclor 1016	ug/kg	--	--	140	RES	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	140	RES	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	77.6	ECO	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	78.7	ECO	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	11.4	ECO	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	77.6	ECO	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	77.6	ECO	--	--	--	--	--	--	--	--	--
SVOCs														
1-Methyl naphthalene	ug/kg	--	--	24,716	RES	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	<18.6	--
2-Methylnaphthalene	ug/kg	--	--	210,000	ECO	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	<18.6	--
Acenaphthene	ug/kg	--	--	2,456	ECO	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	<18.6	--
Acenaphthylene	ug/kg	--	--	270,384	ECO	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	<18.6	--
Anthracene	ug/kg	--	--	2,384	ECO	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	6.2 J	--
Benzo(a)anthracene	ug/kg	--	--	600	RES	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	122	--
Benzo(a)pyrene	ug/kg	--	--	60	RES	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	122 J	--
Benzo(b)fluoranthene	ug/kg	--	--	600	RES	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	306 J	--
Benzo(ghi)perylene	ug/kg	--	--	6,411	ECO	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	68.3 J	--
Benzo(k)fluoranthene	ug/kg	--	--	600	RES	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	<18.6 J	--
bis(2-Ethylhexyl) phthalate	ug/kg	--	--	4,926	ECO	--	--	31.3 P	<19.2 P	16.5 P	--	--	20.6	--

TABLE A-9 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-1 and CTLI-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**ENBS0156**	**LFBS0209**	**LFBS0240**	**LFBS0241**	**LFBS0242**	**LFBS0245**	**LFBS0246**	**LFBS0246**	**LFBS0246**
				Sample Name:		ENBS0156S001	LFBS0209AS001	LFBS0240S001	LFBS0241S001	LFBS0242S001	LFBS0245S001	LFBS0246S001	LFBS0246AS001	LFBS0246AS002
				Collection Date:		2/4/2010	2/3/2010	2/2/2010	2/2/2010	2/2/2010	7/14/2009	7/14/2009	2/2/2010	2/2/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	3.0 - 3.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
Butyl benzyl phthalate	ug/kg	--	--	339,549	ECO	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	21.5	--
Chrysene	ug/kg	--	--	2,359	ECO	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	143	--
Dibenzo(a,h)anthracene	ug/kg	--	--	170	RES	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	28.9 J	--
Diethyl phthalate	ug/kg	--	--	6,940,468	ECO	--	--	<20.3 P	<19.2 P	6.88 P	--	--	<18.6	--
Dimethyl phthalate	ug/kg	--	--	4,438	ECO	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	<18.6	--
Di-n-butyl phthalate	ug/kg	--	--	488	ECO	--	--	9.78 P	<19.2 P	11.9 P	--	--	<18.6	--
Di-n-octyl phthalate	ug/kg	--	--	13,000	ECO	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	<18.6	--
Fluoranthene	ug/kg	--	--	38,000	ECO	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	125	--
Fluorene	ug/kg	--	--	1,646	ECO	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	<18.6	--
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	600	RES	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	69.7	--
Naphthalene	ug/kg	--	--	210,000	ECO	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	<18.6	--
n-Nitrosodimethylamine	ug/kg	--	--	45	RES	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	<18.6	--
Phenanthrene	ug/kg	--	--	1,314	ECO	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	35.5	--
Pyrene	ug/kg	--	--	18,000	ECO	--	--	<20.3 P	<19.2 P	<19.9 P	--	--	207	--

TABLE A-9 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-1 and CTLI-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		LFBS0253	LFBS0254	LFBS0256	LFBS0263	LFBS0264	LFBS0266	LFBS0267	LFBS0268	LFBS0270	LFBS0272
				Sample Name:		LFBS0253S001	LFBS0254S001	LFBS0256S001	LFBS0263S001	LFBS0264S001	LFBS0266S001	LFBS0267S001	LFBS0268S001	LFBS0270S001	LFBS0272S001
				Collection Date:		2/1/2010	2/1/2010	2/1/2010	2/2/2010	2/4/2010	2/4/2010	2/4/2010	2/4/2010	2/4/2010	2/3/2010
				Sample Depth (feet):		0.0 - 0.1	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS															
Aluminum	mg/kg	20,000	--	--	--	10,800 P	14,500 P	12,900 P	12,600	16,400 P	9,560 P	13,500 P	12,600 P	15,500 P	11,700
Antimony	mg/kg	8.7	--	--	--	<0.426 P	<0.376 P	<0.359 P	<0.404	0.358 P	0.367 P	0.377 P	0.359 P	0.399 P	<0.359
Arsenic	mg/kg	15	--	--	--	4.37 P	7.54 P	6.99 P	10.6 J	8.61 P	8.31 P	5.73 P	6.81 P	8.94 P	8.78 J
Barium	mg/kg	140	--	--	--	96.7 P	126 P	121 P	79.4 J	160 P	70.7 P	98.9 P	115 P	117 P	91.4
Beryllium	mg/kg	1.1	--	--	--	0.545 P	0.809 P	0.826 P	0.729	1.09 P	0.697 P	0.759 P	0.752 P	0.751 P	0.879
Boron	mg/kg	9.7	--	--	--	<1.29 P	<1.14 P	<1.09 P	<1.22 J	1.08 P	1.11 P	1.14 P	1.09 P	1.21 P	<1.09 J
Cadmium	mg/kg	1	1	--	--	0.23 P	0.303 P	0.251 P	0.134 J	0.305 P	0.146 P	0.271 P	0.24 P	0.281 P	0.28
Chromium	mg/kg	36.8	--	--	--	16.1 P	21.1 P	25.5 P	20.7 J	24.1 P	17.8 P	24.5 P	22.3 P	21.3 P	21.2 J
Cobalt	mg/kg	21	--	--	--	5.2 P	11.4 P	7.65 P	5.49	10.5 P	5.41 P	9.8 P	6.48 P	8.08 P	8.12 J
Copper	mg/kg	29	29	--	--	9.6 P	12.8 P	16.4 P	10.4 J	15.7 P	11.5 P	14.5 P	13.4 P	11.9 P	11.5 J
Lead	mg/kg	34	34	--	--	20.9 P	14 P	17.4 P	11.3 J	15.1 P	11.6 P	41.8 P	16.4 P	19.9 P	37 J
Mercury	mg/kg	0.09	0.09	--	--	0.0142 P	0.016 P	0.0124 P	0.0275 J	0.0262 P	0.0146 P	0.0169 P	0.0178 P	0.0139 P	0.0267
Molybdenum	mg/kg	5.3	--	--	--	0.573 P	0.805 P	0.627 P	0.317	0.698 P	0.63 P	0.691 P	0.543 P	0.606 P	0.431 J
Nickel	mg/kg	29	--	--	--	11.3 P	15.4 P	19.3 P	11 J	17.3 P	11.1 P	16.2 P	13.9 P	15 P	13.4 J
Selenium	mg/kg	0.655	--	--	--	<0.623 P	<0.556 P	<0.588 P	<0.6	0.584 P	0.525 P	0.512 P	0.581 P	0.597 P	<0.543
Silver	mg/kg	0.79	--	--	--	<0.0498 P	0.0538 P	0.049 P	<0.048	0.0561 P	0.042 P	0.045 P	0.0493 P	0.0635 P	0.0746 J
Thallium	mg/kg	0.46	--	--	--	0.27 P	0.459 P	0.35 P	0.465	0.371 P	0.419 P	0.311 P	0.327 P	0.324 P	0.335
Vanadium	mg/kg	62	--	--	--	31.1 P	44.2 P	44.3 P	46.1	48.8 P	36.3 P	44.3 P	45.1 P	42.8 P	41 J
Zinc	mg/kg	110	--	--	--	71.4 P	76 P	102 P	105	80.4 P	93.2 P	230 P	81.3 P	78 P	97.6 J
DIOXINS															
TCDD TEQ	pg/g	0.87	3.0	--	--	0.365	--	--	0.772	0.705 P	1.26 P	0.170	--	--	--
PCBs															
Aroclor 1016	ug/kg	--	--	140	RES	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	140	RES	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	77.6	ECO	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	78.7	ECO	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	11.4	ECO	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	77.6	ECO	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	77.6	ECO	--	--	--	--	--	--	--	--	--	--
SVOCs															
1-Methyl naphthalene	ug/kg	--	--	24,716	RES	<21.5 P	<19.9 P	<19.8 P	<20.4	<19.5 P	<20.1 P	<19.1 P	<19.8 P	<20.6 P	<18.3
2-Methylnaphthalene	ug/kg	--	--	210,000	ECO	<21.5 P	<19.9 P	<19.8 P	<20.4	<19.5 P	<20.1 P	<19.1 P	<19.8 P	<20.6 P	<18.3
Acenaphthene	ug/kg	--	--	2,456	ECO	<21.5 P	<19.9 P	<19.8 P	<20.4	<19.5 P	<20.1 P	<19.1 P	<19.8 P	<20.6 P	<18.3
Acenaphthylene	ug/kg	--	--	270,384	ECO	<21.5 P	<19.9 P	<19.8 P	<20.4	<19.5 P	<20.1 P	<19.1 P	<19.8 P	<20.6 P	<18.3
Anthracene	ug/kg	--	--	2,384	ECO	<21.5 P	<19.9 P	<19.8 P	7.13 J	<19.5 P	<20.1 P	6.2 P	5.54 P	<20.6 P	4.98 J
Benzo(a)anthracene	ug/kg	--	--	600	RES	18.5 P	<19.9 P	9.97 P	169	<19.5 P	20 P	75.7 P	17.5 P	9.05 P	<18.3
Benzo(a)pyrene	ug/kg	--	--	60	RES	17.5 P	<19.9 P	<19.8 P	219	<19.5 P	17.8 P	64.8 P	10.2 P	<20.6 P	<18.3
Benzo(b)fluoranthene	ug/kg	--	--	600	RES	24.2 P	<19.9 P	<19.8 P	442	<19.5 P	33.2 P	178 P	16.8 P	13.8 P	23.4
Benzo(ghi)perylene	ug/kg	--	--	6,411	ECO	9.37 P	<19.9 P	<19.8 P	86.5	<19.5 P	14 P	56.2 P	9.29 P	<20.6 P	<18.3
Benzo(k)fluoranthene	ug/kg	--	--	600	RES	17.6 P	<19.9 P	<19.8 P	<20.4	<19.5 P	<20.1 P	<19.1 P	<19.8 P	<20.6 P	9.96 J
bis(2-Ethylhexyl) phthalate	ug/kg	--	--	4,926	ECO	51.5 P	10.7 P	11.5 P	23.9	19.3 P	16.4 P	23.8 P	28.6 P	31.9 P	63

TABLE A-9 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-1 and CTLI-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		LFBS0253	LFBS0254	LFBS0256	LFBS0263	LFBS0264	LFBS0266	LFBS0267	LFBS0268	LFBS0270	LFBS0272
				Sample Name:		LFBS0253S001	LFBS0254S001	LFBS0256S001	LFBS0263S001	LFBS0264S001	LFBS0266S001	LFBS0267S001	LFBS0268S001	LFBS0270S001	LFBS0272S001
				Collection Date:		2/1/2010	2/1/2010	2/1/2010	2/2/2010	2/4/2010	2/4/2010	2/4/2010	2/4/2010	2/4/2010	2/3/2010
				Sample Depth (feet):		0.0 - 0.1	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
Butyl benzyl phthalate	ug/kg	--	--	339,549	ECO	27.9 P	8.87 P	18.2 P	<20.4	<19.5 P	<20.1 P	<19.1 P	<19.8 P	<20.6 P	<18.3
Chrysene	ug/kg	--	--	2,359	ECO	19.7 P	<19.9 P	<19.8 P	172	<19.5 P	15.5 P	86 P	48.5 P	6.58 P	<18.3
Dibenzo(a,h)anthracene	ug/kg	--	--	170	RES	<21.5 P	<19.9 P	<19.8 P	<20.4	<19.5 P	<20.1 P	21.3 P	<19.8 P	<20.6 P	<18.3
Diethyl phthalate	ug/kg	--	--	6,940,468	ECO	<21.5 P	<19.9 P	<19.8 P	<20.4	<19.5 P	14 P	9.99 P	<19.8 P	<20.6 P	<18.3
Dimethyl phthalate	ug/kg	--	--	4,438	ECO	<21.5 P	<19.9 P	<19.8 P	<20.4	<19.5 P	<20.1 P	<19.1 P	<19.8 P	<20.6 P	<18.3
Di-n-butyl phthalate	ug/kg	--	--	488	ECO	<21.5 P	<19.9 P	<19.8 P	7.03 J	<19.5 P	<20.1 P	<19.1 P	<19.8 P	<20.6 P	9.25 J
Di-n-octyl phthalate	ug/kg	--	--	13,000	ECO	44.1 P	<19.9 P	<19.8 P	<20.4	<19.5 P	<20.1 P	<19.1 P	<19.8 P	<20.6 P	<18.3
Fluoranthene	ug/kg	--	--	38,000	ECO	16.6 P	<19.9 P	9.64 P	142	<19.5 P	27.5 P	76.4 P	10.3 P	10.5 P	16.8 J
Fluorene	ug/kg	--	--	1,646	ECO	<21.5 P	<19.9 P	<19.8 P	<20.4	<19.5 P	<20.1 P	<19.1 P	<19.8 P	<20.6 P	<18.3
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	600	RES	8.88 P	<19.9 P	<19.8 P	96.1	<19.5 P	12.9 P	54 P	9.14 P	<20.6 P	<18.3
Naphthalene	ug/kg	--	--	210,000	ECO	<21.5 P	<19.9 P	<19.8 P	<20.4	<19.5 P	<20.1 P	<19.1 P	<19.8 P	<20.6 P	<18.3
n-Nitrosodimethylamine	ug/kg	--	--	45	RES	<21.5 P	<19.9 P	<19.8 P	<20.4	<19.5 P	<20.1 P	<19.1 P	<19.8 P	<20.6 P	<18.3
Phenanthrene	ug/kg	--	--	1,314	ECO	<21.5 P	<19.9 P	<19.8 P	31.5	<19.5 P	<20.1 P	21.9 P	<19.8 P	<20.6 P	<18.3
Pyrene	ug/kg	--	--	18,000	ECO	15.8 P	<19.9 P	9.25 P	188	<19.5 P	21.3 P	60.9 P	8.65 P	8.02 P	19.9

TABLE A-9 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-1 and CTLI-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**LFBS0273**	**LFBS0274**	**LFBS0276**	**LFBS0276**	**LFBS0277**	**LFBS0278**	**LFBS0280**	**LFBS0281**	**LFBS0281**	**LFBS0282**
				Sample Name:		LFBS0273S001	LFBS0274S001	LFBS0276S001	LFBS0276S001SP	LFBS0277S001	LFBS0278S001	LFBS0280S001	LFBS0281S001	LFBS0281S002	LFBS0282S001
				Collection Date:		2/3/2010	2/3/2010	2/3/2010	2/3/2010	2/3/2010	2/4/2010	2/3/2010	2/2/2010	2/2/2010	2/3/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	3.0 - 3.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS															
Aluminum	mg/kg	20,000	--	--	--	13,700	12,400	11,400 P	14,000	11,500 P	--	11,000 P	12,000	15,400	14,300 P
Antimony	mg/kg	8.7	--	--	--	<0.389	<3.95 J	<0.375 P	<1.2 J	<0.357 P	--	<0.368 P	<0.364	<3.43 J	<0.364 P
Arsenic	mg/kg	15	--	--	--	9.81 J	8.21	8.12 P	9.9	7.45 P	--	4.45 P	5.65 J	3.43	10.1 P
Barium	mg/kg	140	--	--	--	88.1	101	77.6 P	86	74.7 P	--	48.6 P	89.6 J	54.2	72.5P
Beryllium	mg/kg	1.1	--	--	--	1.35	0.723	0.986 P	0.65	0.721 P	--	0.823 P	0.63	0.417	0.868 P
Boron	mg/kg	9.7	--	--	--	<1.18 J	<12 J	1.14 P	3.9 J	1.08 P	--	1.12 P	<1.1 J	<10.4 J	<1.1 P
Cadmium	mg/kg	1	1	--	--	0.181 J	0.242	0.416 P	0.57	0.132 P	--	0.0831 P	0.244	0.0682 J	0.109 P
Chromium	mg/kg	36.8	--	--	--	22.5 J	22.6 J	20.5 P	23	20 P	--	13.6 P	20.7 J	20.3 J	20.5 P
Cobalt	mg/kg	21	--	--	--	11.1 J	8.18	6.29 P	7.9	8.18 P	--	3.86 P	5.41	4.87	6.65 P
Copper	mg/kg	29	29	--	--	13 J	16.3 J	12.7 P	1900	10 P	--	6.79 P	10.6 J	7.11 J	10.4 P
Lead	mg/kg	34	34	--	--	15.2 J	27.4	41.6 P	450	11.1 P	--	6.21 P	13.5 J	5.68	11.9 P
Mercury	mg/kg	0.09	0.09	--	--	0.0108 J	0.0238	0.0065 P	0.0092 J	0.023 P	--	<0.00447 P	<0.00412 J	<0.00432	0.0105 P
Molybdenum	mg/kg	5.3	--	--	--	0.436 J	<0.571	0.378 P	1.8	0.334 P	--	0.137 P	0.645	0.941	0.639 P
Nickel	mg/kg	29	--	--	--	14.4 J	14 J	12.1 P	16	11.8 P	--	6.87 P	11 J	8.99 J	11.8 P
Selenium	mg/kg	0.655	--	--	--	<0.587	<0.588	<0.574 P	0.43 J	<0.54 P	--	<0.563 P	<0.561	<0.516	<0.573 P
Silver	mg/kg	0.79	--	--	--	0.118 J	0.0689 J	0.096 P	0.21 J	0.0505 P	--	0.0498 P	0.0581 J	<0.0413	0.0485 P
Thallium	mg/kg	0.46	--	--	--	0.336	0.292	0.264 P	0.28	0.284 P	--	0.208 P	0.271	0.221	0.358 P
Vanadium	mg/kg	62	--	--	--	45.8 J	37.9	38.4 P	32 J	40.6 P	--	28.2 P	41.8	35.5	44.3 P
Zinc	mg/kg	110	--	--	--	79.1 J	90.9	248 P	760	68 P	--	50 P	316	56	70.8 P
DIOXINS															
TCDD TEQ	pg/g	0.87	3.0	--	--	--	--	--	--	--	--	0.0522	0.154	--	0.0903
PCBs															
Aroclor 1016	ug/kg	--	--	140	RES	--	--	--	--	--	<18.7	--	--	--	--
Aroclor 1221	ug/kg	--	--	140	RES	--	--	--	--	--	<18.7	--	--	--	--
Aroclor 1232	ug/kg	--	--	77.6	ECO	--	--	--	--	--	<18.7	--	--	--	--
Aroclor 1242	ug/kg	--	--	78.7	ECO	--	--	--	--	--	<18.7	--	--	--	--
Aroclor 1248	ug/kg	--	--	11.4	ECO	--	--	--	--	--	<18.7	--	--	--	--
Aroclor 1254	ug/kg	--	--	77.6	ECO	--	--	--	--	--	<18.7	--	--	--	--
Aroclor 1260	ug/kg	--	--	77.6	ECO	--	--	--	--	--	11.9 J	--	--	--	--
SVOCs															
1-Methyl naphthalene	ug/kg	--	--	24,716	RES	<19.7	<20.4	<19.2 P	0.55 J	<18.7 P	--	<19 P	<18.7	--	<19.1 P
2-Methylnaphthalene	ug/kg	--	--	210,000	ECO	<19.7	<20.4	<19.2 P	0.71 J	<18.7 P	--	<19 P	<18.7	--	<19.1 P
Acenaphthene	ug/kg	--	--	2,456	ECO	<19.7	<20.4	<19.2 P	4.8 J	<18.7 P	--	<19 P	<18.7	--	<19.1 P
Acenaphthylene	ug/kg	--	--	270,384	ECO	<19.7	<20.4	<19.2 P	0.32 J	<18.7 P	--	<19 P	<18.7	--	<19.1 P
Anthracene	ug/kg	--	--	2,384	ECO	<19.7	<20.4	<19.2 P	22 J	<18.7 P	--	<19 P	<18.7	--	<19.1 P
Benzo(a)anthracene	ug/kg	--	--	600	RES	<19.7	<20.4	<19.2 P	150	<18.7 P	--	<19 P	9.92 J	--	<19.1 P
Benzo(a)pyrene	ug/kg	--	--	60	RES	52.9	<20.4	21.5 P	110	31.7 P	--	<19 P	8.18 J	--	<19.1 P
Benzo(b)fluoranthene	ug/kg	--	--	600	RES	91.4	<20.4	32.6 P	290 J	56.8 P	--	<19 P	23.6	--	<19.1 P
Benzo(ghi)perylene	ug/kg	--	--	6,411	ECO	10.4 J	<20.4	<19.2 P	47	7.98 P	--	<19 P	<18.7	--	<19.1 P
Benzo(k)fluoranthene	ug/kg	--	--	600	RES	37.5	<20.4	<19.2 P	--	23.1 P	--	<19 P	<18.7	--	<19.1 P
bis(2-Ethylhexyl) phthalate	ug/kg	--	--	4,926	ECO	34.3	<20.4	16.4 P	<23	<18.7 P	--	14.2 P	8.1 J	--	13.8 P

TABLE A-9 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-1 and CTLI-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		LFBS0273	LFBS0274	LFBS0276	LFBS0276	LFBS0277	LFBS0278	LFBS0280	LFBS0281	LFBS0281	LFBS0282
				Sample Name:		LFBS0273S001	LFBS0274S001	LFBS0276S001	LFBS0276S001SP	LFBS0277S001	LFBS0278S001	LFBS0280S001	LFBS0281S001	LFBS0281S002	LFBS0282S001
				Collection Date:		2/3/2010	2/3/2010	2/3/2010	2/3/2010	2/3/2010	2/4/2010	2/3/2010	2/2/2010	2/2/2010	2/3/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	3.0 - 3.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
Butyl benzyl phthalate	ug/kg	--	--	339,549	ECO	<19.7	<20.4	<19.2 P	29 J	11.3 P	--	<19 P	<18.7	--	<19.1 P
Chrysene	ug/kg	--	--	2,359	ECO	42.6	<20.4	17.5 P	130	26.6 P	--	<19 P	9.08 J	--	<19.1 P
Dibenzo(a,h)anthracene	ug/kg	--	--	170	RES	<19.7	<20.4	<19.2 P	20 J	<18.7 P	--	<19 P	<18.7	--	<19.1 P
Diethyl phthalate	ug/kg	--	--	6,940,468	ECO	9.01 J	11.9 J	<19.2 P	<23	7.19 P	--	<19 P	<18.7	--	8.16 P
Dimethyl phthalate	ug/kg	--	--	4,438	ECO	19.7	<20.4	<19.2 P	1.2 J	<18.7 P	--	<19 P	<18.7	--	<19.1 P
Di-n-butyl phthalate	ug/kg	--	--	488	ECO	9.44 J	<20.4	<19.2 P	<23	6.88 P	--	<19 P	<18.7	--	6.87 P
Di-n-octyl phthalate	ug/kg	--	--	13,000	ECO	<19.7	<20.4	<19.2 P	<23	<18.7 P	--	<19 P	<18.7	--	<19.1 P
Fluoranthene	ug/kg	--	--	38,000	ECO	70.7	<20.4	29.6 P	280	55.3 P	--	<19 P	8.75 J	--	10.4 P
Fluorene	ug/kg	--	--	1,646	ECO	<19.7	<20.4	<19.2 P	4.1 J	<18.7 P	--	<19 P	<18.7	--	<19.1 P
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	600	RES	86.3	<20.4	65.6 P	51	72 P	--	<19 P	<18.7	--	<19.1 P
Naphthalene	ug/kg	--	--	210,000	ECO	<19.7	<20.4	<19.2 P	3.1 J	<18.7 P	--	<19 P	<18.7	--	<19.1 P
n-Nitrosodimethylamine	ug/kg	--	--	45	RES	<19.7	<20.4	<19.2 P	<23	<18.7 P	--	<19 P	<18.7	--	<19.1 P
Phenanthrene	ug/kg	--	--	1,314	ECO	12.4 J	<20.4	9.36 P	98	13 P	--	<19 P	<18.7	--	7.34 P
Pyrene	ug/kg	--	--	18,000	ECO	69.3	<20.4	28 P	250	61.1 P	--	<19 P	11.6 J	--	7.98 P

TABLE A-9 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-1 and CTLI-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**LFBS0282**	**LFBS0283**	**LFBS0283**	**LFBS0284**	**LFBS0285**	**LFBS0286**	**LFBS0287**	**LFBS0288**	**LFBS0290**	**LFBS0292**
				Sample Name:		LFBS0282S002	LFBS0283S001	LFBS0283S002	LFBS0284S001	LFBS0285S001	LFBS0286S001	LFBS0287S001	LFBS0288S001	LFBS0290S001	LFBS0292S001
				Collection Date:		2/3/2010	2/3/2010	2/3/2010	2/3/2010	2/3/2010	2/2/2010	2/2/2010	2/2/2010	2/2/2010	2/3/2010
				Sample Depth (feet):		5.0 - 5.5	0.0 - 0.5	1.0 - 1.5	0.0 - 0.5	0.0 - 0.25	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS															
Aluminum	mg/kg	20,000	--	--	--	12,600 P	1,380 P	14,600 P	11,200 P	9,370 P	8,930	18,600	9,940	8,460	11,700 P
Antimony	mg/kg	8.7	--	--	--	<7.19 P	1.32 P	<0.369 P	<0.381 P	0.347 P	<0.398	<3.74 J	<0.352	<3.35	<0.369 P
Arsenic	mg/kg	15	--	--	--	17.4 P	1.39 P	9.03 P	6.8 P	3.04 P	3.47 J	3.55	3.32 J	3.18 J	7.72 P
Barium	mg/kg	140	--	--	--	96 P	16.9 P	76.8 P	79.9 P	77.5 P	83.2 J	62.8	85.3 J	71.7 J	76.3 P
Beryllium	mg/kg	1.1	--	--	--	0.932 P	0.0898 P	0.794 P	1.06 P	0.363 P	0.454	0.481	0.505	0.423	0.738 P
Boron	mg/kg	9.7	--	--	--	<1.09 P	<0.991 P	<1.12 P	<1.15 P	1.05 P	<1.2 J	<11.3 J	<1.07 J	<1.01 J	<1.12 P
Cadmium	mg/kg	1	1	--	--	0.181 P	0.717 P	0.124 P	0.242 P	0.24 P	0.649	0.0994 J	0.299	0.177 J	0.143 P
Chromium	mg/kg	36.8	--	--	--	21.1 P	4.66 P	20.7 P	17.2 P	17.8 P	17.9 J	19.3 J	17.8 J	19.3 J	21.6 P
Cobalt	mg/kg	21	--	--	--	10.9 P	1.13 P	5.7 P	5.68 P	4.71 P	5.56	5.74	5.56	5.83	5.81 P
Copper	mg/kg	29	29	--	--	13.2 P	4.8 P	11 P	12.8 P	8.55 P	15 J	7.87 J	7.87 J	9.11 J	11.8 P
Lead	mg/kg	34	34	--	--	12.7 P	164 P	11.5 P	22.1 P	35.9 P	25.2 J	4.77	7.68 J	6.18 J	11.3 P
Mercury	mg/kg	0.09	0.09	--	--	0.0116 P	0.0057 P	0.0117 P	0.0102 P	0.0376 P	0.00583 J	0.00877 J	0.0173 J	0.00527 J	0.00726 P
Molybdenum	mg/kg	5.3	--	--	--	0.526 P	0.165 P	0.34 P	0.637 P	0.508 P	0.616	<0.617	0.61	1.02	0.44 P
Nickel	mg/kg	29	--	--	--	13.7 P	4.27 P	11 P	11.3 P	10.5 P	12 J	13 J	12.7 J	13.2 J	12.5 P
Selenium	mg/kg	0.655	--	--	--	<0.538 P	<0.481 P	<0.563 P	<0.575 P	0.537 P	<0.61	<0.534	<0.528	<0.534	<0.566 P
Silver	mg/kg	0.79	--	--	--	0.0447 P	0.0394 P	0.052 P	0.11 P	0.0481 P	0.0507 J	<0.0427	0.0534 J	<0.0427	0.0469 P
Thallium	mg/kg	0.46	--	--	--	0.437 P	0.0578 P	0.294 P	0.206 P	0.213 P	0.259	0.231	0.246	0.268	0.297 P
Vanadium	mg/kg	62	--	--	--	44 P	6.36 P	39.5 P	38 P	36 P	33.6	34.7	36.1	34.3	45.6 P
Zinc	mg/kg	110	--	--	--	77.4 P	529 P	76.8 P	69.2 P	88.5 P	159	50.4	60.9	58.9	81.6 P
DIOXINS															
TCDD TEQ	pg/g	0.87	3.0	--	--	0*	3.35	0.279	1.47	1.69 P	--	0.188	--	--	--
PCBs															
Aroclor 1016	ug/kg	--	--	140	RES	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	140	RES	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	77.6	ECO	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	78.7	ECO	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	11.4	ECO	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	77.6	ECO	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	77.6	ECO	--	--	--	--	--	--	--	--	--	--
SVOCs															
1-Methyl naphthalene	ug/kg	--	--	24,716	RES	<18.3 P	217 P	<188 P	<19.7 P	<18.2 P	<20.5	<19.1	<19.6	<18.2	<19.2 P
2-Methylnaphthalene	ug/kg	--	--	210,000	ECO	<18.3 P	181 P	<188 P	<19.7 P	<18.2 P	<20.5	<19.1	<19.6	<18.2	<19.2 P
Acenaphthene	ug/kg	--	--	2,456	ECO	<18.3 P	5,390 P	145 P	<19.7 P	<18.2 P	<20.5	<19.1	<19.6	<18.2	<19.2 P
Acenaphthylene	ug/kg	--	--	270,384	ECO	<18.3 P	82.6 P	<188 P	<19.7 P	<18.2 P	<20.5	<19.1	<19.6	<18.2	<19.2 P
Anthracene	ug/kg	--	--	2,384	ECO	<18.3 P	14,500 P	1,090 P	<19.7 P	<18.2 P	<20.5	<19.1	<19.6	<18.2	<19.2 P
Benzo(a)anthracene	ug/kg	--	--	600	RES	<18.3 P	77,600 P	10,900 P	<19.7 P	<18.2 P	65.4	11.5 J	10.1 J	12.4 J	<19.2 P
Benzo(a)pyrene	ug/kg	--	--	60	RES	<18.3 P	48,400 P	9,460 P	6.43 P	<18.2 P	64.2	12.1 J	8 J	9.78 J	<19.2 P
Benzo(b)fluoranthene	ug/kg	--	--	600	RES	<18.3 P	81,600 P	14,700 P	6.3 P	<18.2 P	172	28.4	24.8	28.6	<19.2 P
Benzo(ghi)perylene	ug/kg	--	--	6,411	ECO	<18.3 P	14,300 P	3,370 P	<19.7 P	<18.2 P	26.8	7.63 J	<19.6	<18.2	<19.2 P
Benzo(k)fluoranthene	ug/kg	--	--	600	RES	<18.3 P	<168 P	5,300 P	<19.7 P	<18.2 P	<20.5	<19.1	<19.6	<18.2	<19.2 P
bis(2-Ethylhexyl) phthalate	ug/kg	--	--	4,926	ECO	10.9 P	<168 P	<188 P	18.9 P	49 P	25.9	<19.1	10.4 J	14.7 J	18.2 P

TABLE A-9 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-1 and CTLI-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**LFBS0282**	**LFBS0283**	**LFBS0283**	**LFBS0284**	**LFBS0285**	**LFBS0286**	**LFBS0287**	**LFBS0288**	**LFBS0290**	**LFBS0292**
				Sample Name:		LFBS0282S002	LFBS0283S001	LFBS0283S002	LFBS0284S001	LFBS0285S001	LFBS0286S001	LFBS0287S001	LFBS0288S001	LFBS0290S001	LFBS0292S001
				Collection Date:		2/3/2010	2/3/2010	2/3/2010	2/3/2010	2/3/2010	2/2/2010	2/2/2010	2/2/2010	2/2/2010	2/3/2010
				Sample Depth (feet):		5.0 - 5.5	0.0 - 0.5	1.0 - 1.5	0.0 - 0.5	0.0 - 0.25	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
Butyl benzyl phthalate	ug/kg	--	--	339,549	ECO	<18.3 P	<168 P	<188 P	<19.7 P	<18.2 P	8.28 J	<19.1	<19.6	<18.2	<19.2 P
Chrysene	ug/kg	--	--	2,359	ECO	<18.3 P	76,200	10,900 P	<19.7 P	<18.2 P	74.9	12.5 J	9.65 J	12.4 J	<19.2 P
Dibenzo(a,h)anthracene	ug/kg	--	--	170	RES	<18.3 P	5,860	1,430 P	<19.7 P	<18.2 P	11.5 J	<19.1	<19.6	<18.2	<19.2 P
Diethyl phthalate	ug/kg	--	--	6,940,468	ECO	<18.3 P	<168 P	<188 P	<19.7 P	<18.2 P	<20.5	<19.1	<19.6	<18.2	<19.2 P
Dimethyl phthalate	ug/kg	--	--	4,438	ECO	<18.3 P	<168 P	<188 P	<19.7 P	<18.2 P	<20.5	<19.1	<19.6	<18.2	<19.2 P
Di-n-butyl phthalate	ug/kg	--	--	488	ECO	<18.3 P	<168 P	<188 P	9.47 P	9.2 P	7.93 J	<19.1	<19.6	<18.2	8.5 P
Di-n-octyl phthalate	ug/kg	--	--	13,000	ECO	<18.3 P	<168 P	<188 P	<19.7 P	<18.2 P	<20.5	<19.1	<19.6	<18.2	<19.2 P
Fluoranthene	ug/kg	--	--	38,000	ECO	<18.3 P	181,000	16,200 P	7.43 P	15.7 P	79.1	15.3 J	10 J	15.5 J	<19.2 P
Fluorene	ug/kg	--	--	1,646	ECO	<18.3 P	3,580	113 P	<19.7 P	<18.2 P	<20.5	<19.1	<19.6	<18.2	<19.2 P
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	600	RES	<18.3 P	14,500	3,700 P	65.9 P	<18.2 P	29.4	7.44 J	<19.6	<18.2	<19.2 P
Naphthalene	ug/kg	--	--	210,000	ECO	<18.3 P	277 P	<188 P	<19.7 P	<18.2 P	<20.5	<19.1	<19.6	<18.2	<19.2 P
n-Nitrosodimethylamine	ug/kg	--	--	45	RES	<18.3 P	<168 P	<188 P	<19.7 P	<18.2 P	<20.5	<19.1	<19.6	<18.2	<19.2 P
Phenanthrene	ug/kg	--	--	1,314	ECO	<18.3 P	85,000 P	3,900 P	<19.7 P	6.47 P	15.9 J	<19.1	<19.6	<18.2	<19.2 P
Pyrene	ug/kg	--	--	18,000	ECO	<18.3 P	143,000 P	15,700 P	6.82 P	<18.2 P	108	14.3 J	12.9 J	18.7	<19.2 P

TABLE A-9 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-1 and CTLI-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		LFBS0292	LFBS0293	LFBS0294	LFBS0295	LFBS0296	LFBS0305	LFBS0306	LFBS0307	LFBS0316	LFBS0317
				Sample Name:		LFBS0292D001	LFBS0293S001	LFBS0294S001	LFBS0295S001	LFBS0296S001	LFBS0305S001	LFBS0306S001	LFBS0307S001	LFBS0316S001	LFBS0317S001
				Collection Date:		2/3/2010	2/3/2010	2/3/2010	2/9/2010	2/1/2010	2/2/2010	2/2/2010	2/2/2010	2/4/2010	3/3/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.1	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.0	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS															
Aluminum	mg/kg	20,000	--	--	--	8,830 P	10,100	14,400 P	11,900	7,790	9,350 P	9,440 P	11,500 P	1,790 P	10,600 P
Antimony	mg/kg	8.7	--	--	--	<0.37 P	<3.48 J	<0.357 P	<3.64 J	<0.388	<0.392 P	<0.442 P	<0.436 P	7.33 P	0.354 P
Arsenic	mg/kg	15	--	--	--	4.26 P	3.38	9.58 P	6.64	2.61 J	4.08 P	2.55 P	5.19 P	1.3 P	9.52 P
Barium	mg/kg	140	--	--	--	68.8 P	66.6	93.6 P	90.7	66.6	90.9 P	73.6 P	123 P	104 P	69.5 P
Beryllium	mg/kg	1.1	--	--	--	0.579 P	0.407	0.667 P	0.598	0.355	0.544 P	0.337 P	0.677 P	0.0478 P	0.685 P
Boron	mg/kg	9.7	--	--	--	<1.12 P	<10.5 J	<1.08 P	<11 J	<1.18 J	1.31 P	<1.34 P	<1.32 P	1.01 P	1.07 P
Cadmium	mg/kg	1	1	--	--	0.126 P	0.0955 J	0.243 P	0.195 J	0.138 J	0.327 P	0.262 P	0.33 P	0.833 P	0.0761 P
Chromium	mg/kg	36.8	--	--	--	17.1 P	18.3 J	23.6 P	18.7 J	13.6	16.3 P	12.5 P	20.7 P	156 P	21.7 P
Cobalt	mg/kg	21	--	--	--	6.04 P	4.35	6.39 P	5.93	3.58	5.4 P	4.61 P	6.86 P	10.3 P	6.05 P
Copper	mg/kg	29	29	--	--	6.92 P	7.65 J	12.1 P	7.26 J	6.44	10.9 P	8.08 P	10.9 P	57.8 P	10.7 P
Lead	mg/kg	34	34	--	--	5.5 P	4.17	24 P	29.4	15.7 J	30.4 P	31 P	32.3 P	170 P	10.2 P
Mercury	mg/kg	0.09	0.09	--	--	0.0096 P	0.00457 J	0.013 P	0.0145	0.015	0.0159 P	0.0149 P	0.0204 P	0.0745 P	0.0119 P
Molybdenum	mg/kg	5.3	--	--	--	0.37 P	<0.409	0.416 P	0.651	0.542	0.645 P	0.518 P	0.59 P	0.763 P	0.368 P
Nickel	mg/kg	29	--	--	--	11.6 P	9.42 J	12.2 P	12.1 J	6.77	12.5 P	10.1 P	15.4 P	49.6 P	12.2 P
Selenium	mg/kg	0.655	--	--	--	<0.557 P	<0.527	<0.555 P	<0.579	<0.579 J	<0.602 P	<0.586 P	<0.587 P	0.484 P	0.546 P
Silver	mg/kg	0.79	--	--	--	0.0408 P	<0.0422	0.0396 P	<0.0463	<0.0463	0.0528 P	<0.0469 P	0.0502 P	0.392 P	0.0437 P
Thallium	mg/kg	0.46	--	--	--	0.234 P	0.246	0.313 P	0.222 J	0.209 J	0.26 P	0.191 P	0.31 P	0.0581 P	0.302 P
Vanadium	mg/kg	62	--	--	--	37.6 P	31.9	44.2 P	30	37.5	30.9 P	32.6 P	39.6 P	49.1 P	37.9 P
Zinc	mg/kg	110	--	--	--	50.2 P	43.9	301 P	121	51.7	68.6 P	69.4 P	92.1 P	532 P	58.3 P
DIOXINS															
TCDD TEQ	pg/g	0.87	3.0	--	--	--	1.69	--	--	0.686	0.0167	--	--	94.2 P	0.0671
PCBs															
Aroclor 1016	ug/kg	--	--	140	RES	--	--	--	--	--	--	--	--	<33.8 P	--
Aroclor 1221	ug/kg	--	--	140	RES	--	--	--	--	--	--	--	--	<33.8 P	--
Aroclor 1232	ug/kg	--	--	77.6	ECO	--	--	--	--	--	--	--	--	<33.8 P	--
Aroclor 1242	ug/kg	--	--	78.7	ECO	--	--	--	--	--	--	--	--	<33.8 P	--
Aroclor 1248	ug/kg	--	--	11.4	ECO	--	--	--	--	--	--	--	--	<33.8 P	--
Aroclor 1254	ug/kg	--	--	77.6	ECO	--	--	--	--	--	--	--	--	<33.8 P	--
Aroclor 1260	ug/kg	--	--	77.6	ECO	--	--	--	--	--	--	--	--	<33.8 P	--
SVOCs															
1-Methyl naphthalene	ug/kg	--	--	24,716	RES	<19.1 P	<18.5	<19.1 P	<20	<20.2	<20.5 P	<22.5 P	<22.1 P	<3,370 P	<18.9 P
2-Methylnaphthalene	ug/kg	--	--	210,000	ECO	<19.1 P	<18.5	<19.1 P	<20	<20.2	<20.5 P	<22.5 P	<22.1 P	<3,370 P	<18.9 P
Acenaphthene	ug/kg	--	--	2,456	ECO	<19.1 P	15.6 J	<19.1 P	<20	<20.2	<20.5 P	<22.5 P	<22.1 P	<3,370 P	<18.9 P
Acenaphthylene	ug/kg	--	--	270,384	ECO	<19.1 P	<18.5	<19.1 P	<20	<20.2	<20.5 P	<22.5 P	<22.1 P	<3,370 P	<18.9 P
Anthracene	ug/kg	--	--	2,384	ECO	<19.1 P	<18.5	<19.1 P	<20	<20.2	<20.5 P	<22.5 P	<22.1 P	<3,370 P	<18.9 P
Benzo(a)anthracene	ug/kg	--	--	600	RES	<19.1 P	5.62 J	<19.1 P	<20	15.2 J	7.88 P	<22.5 P	14.6 P	<3,370 P	<18.9 P
Benzo(a)pyrene	ug/kg	--	--	60	RES	<19.1 P	<18.5	<19.1 P	<20	15.8 J	6.45 P	<22.5 P	14.4 P	<3,370 P	6.63 P
Benzo(b)fluoranthene	ug/kg	--	--	600	RES	<19.1 P	<18.5	<19.1 P	<20	22.6	15.8 P	<22.5 P	<22.1 P	<3,370 P	11.7 P
Benzo(ghi)perylene	ug/kg	--	--	6,411	ECO	<19.1 P	<18.5	<19.1 P	<20	8.59 J	<20.5 P	<22.5 P	16 P	<3,370 P	<18.9 P
Benzo(k)fluoranthene	ug/kg	--	--	600	RES	<19.1 P	<18.5	<19.1 P	<20	13.7 J	<20.5 P	<22.5 P	<22.1 P	<3,370 P	<18.9 P
bis(2-Ethylhexyl) phthalate	ug/kg	--	--	4,926	ECO	16.4 P	<18.5	20.9 P	<20.2	15.6 J	20.1 P	28.5 P	18 P	<3,370 P	11.1 P

TABLE A-9 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-1 and CTLI-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		LFBS0292	LFBS0293	LFBS0294	LFBS0295	LFBS0296	LFBS0305	LFBS0306	LFBS0307	LFBS0316	LFBS0317
				Sample Name:		LFBS0292D001	LFBS0293S001	LFBS0294S001	LFBS0295S001	LFBS0296S001	LFBS0305S001	LFBS0306S001	LFBS0307S001	LFBS0316S001	LFBS0317S001
				Collection Date:		2/3/2010	2/3/2010	2/3/2010	2/9/2010	2/1/2010	2/2/2010	2/2/2010	2/2/2010	2/4/2010	3/3/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.1	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.0	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
Butyl benzyl phthalate	ug/kg	--	--	339,549	ECO	<19.1 P	<18.5	<19.1 P	<20	<20.2	9.87 P	20.7 P	<22.1 P	<3,370 P	<18.9 P
Chrysene	ug/kg	--	--	2,359	ECO	<19.1 P	<18.5	<19.1 P	<20	13 J	9.3 P	<22.5 P	17 P	<3,370 P	<18.9 P
Dibenzo(a,h)anthracene	ug/kg	--	--	170	RES	<19.1 P	<18.5	<19.1 P	<20	<20.2	<20.5 P	<22.5 P	<22.1 P	<3,370 P	<18.9 P
Diethyl phthalate	ug/kg	--	--	6,940,468	ECO	<19.1 P	12.2 J	<19.1 P	13.5 J	<20.2	<20.5 P	18.5 P	<22.1 P	<3,370 P	<18.9 P
Dimethyl phthalate	ug/kg	--	--	4,438	ECO	<19.1 P	<18.5	<19.1 P	<20	<20.2	<20.5 P	<22.5 P	<22.1 P	<3,370 P	<18.9 P
Di-n-butyl phthalate	ug/kg	--	--	488	ECO	7.5 P	<18.5	8.83 P	<20	<20.2	<20.5 P	14.6 P	11.6 P	<3,370 P	7.51 P
Di-n-octyl phthalate	ug/kg	--	--	13,000	ECO	<19.1 P	<18.5	<19.1 P	<20	39.9	<20.5 P	<22.5 P	<22.1 P	<3,370 P	<18.9 P
Fluoranthene	ug/kg	--	--	38,000	ECO	<19.1 P	10.9 J	<19.1 P	<20	18 J	7.51 P	<22.5 P	15.9 P	<3,370 P	<18.9 P
Fluorene	ug/kg	--	--	1,646	ECO	<19.1 P	<18.5	<19.1 P	<20	<20.2	<20.5 P	<22.5 P	<22.1 P	<3,370 P	<18.9 P
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	600	RES	<19.1 P	<18.5	<19.1 P	<20	9.61 J	<20.5 P	<22.5 P	14.3 P	<3,370 P	<18.9 P
Naphthalene	ug/kg	--	--	210,000	ECO	<19.1 P	7.69 J	<19.1 P	<20	<20.2	<20.5 P	<22.5 P	<22.1 P	<3,370 P	<18.9 P
n-Nitrosodimethylamine	ug/kg	--	--	45	RES	<19.1 P	<18.5	<19.1 P	<20	<20.2	<20.5 P	<22.5 P	<22.1 P	<3,370 P	<18.9 P
Phenanthrene	ug/kg	--	--	1,314	ECO	<19.1 P	19.4	<19.1 P	<20	6.06 J	<20.5 P	<22.5 P	<22.1 P	<3,370 P	<18.9 P
Pyrene	ug/kg	--	--	18,000	ECO	<19.1 P	6.75 J	<19.1 P	<20	16.3 J	10.3 P	<22.5 P	15.5 P	<3,370 P	<18.9 P

TABLE A-9 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-1 and CTLI-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		LFBS0318	LFBS0319	LFBS0320	LFBS0321	LFBS0322	LFBS0322	LFBS0323	LFBS0324	LFBS0324	LFBS0325
				Sample Name:		LFBS0318S001	LFBS0319S001	LFBS0320S001	LFBS0321AS001	LFBS0322AS001	LFBS0322BS001	LFBS0323AS001	LFBS0324AS001	LFBS0324S001	LFBS0325S001
				Collection Date:		3/3/2010	3/3/2010	3/3/2010	3/9/2010	3/4/2010	3/9/2010	3/9/2010	3/9/2010	3/3/2010	3/17/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS															
Aluminum	mg/kg	20,000	--	--	--	14,400 P	11,100 P	14,200 P	--	--	--	--	--	--	15,100 P
Antimony	mg/kg	8.7	--	--	--	0.347 P	0.37 P	0.355 P	--	--	--	--	--	--	<0.36 P
Arsenic	mg/kg	15	--	--	--	5.29 P	7.85 P	9.86 P	--	--	--	--	--	--	8.45 P
Barium	mg/kg	140	--	--	--	96.5 P	125 P	82.7 P	--	--	--	--	--	--	127 P
Beryllium	mg/kg	1.1	--	--	--	0.498 P	0.817 P	0.704 P	--	--	--	--	--	--	1.01 P
Boron	mg/kg	9.7	--	--	--	1.05 P	1.12 P	1.08 P	--	--	--	--	--	--	<1.09 P
Cadmium	mg/kg	1	1	--	--	0.208 P	0.159 P	0.115 P	0.423 P	--	0.309 P	0.128 P	0.33 P	--	0.175 P
Chromium	mg/kg	36.8	--	--	--	21.7 P	26.8 P	26.1 P	--	--	--	--	--	--	22.5 P
Cobalt	mg/kg	21	--	--	--	6.89 P	9.28 P	8.02 P	--	--	--	--	--	--	7.35 P
Copper	mg/kg	29	29	--	--	12.5 P	15.4 P	13.2 P	32 P	--	18 P	13.4 P	14.4 P	--	14.5 P
Lead	mg/kg	34	34	--	--	35.8 P	12.5 P	11.3 P	26.6 P	--	21.8 P	12.1 P	24.3 P	--	21.7 P
Mercury	mg/kg	0.09	0.09	--	--	0.0182 P	0.0118 P	0.00859 P	0.0126 P	--	0.0252 P	0.0106 P	0.00683 P	--	0.0115 P
Molybdenum	mg/kg	5.3	--	--	--	0.493 P	0.519 P	0.533 P	--	--	--	--	--	--	<0.476 P
Nickel	mg/kg	29	--	--	--	14.3 P	17.5 P	13.9 P	--	--	--	--	--	--	15 P
Selenium	mg/kg	0.655	--	--	--	0.56 P	0.557 P	0.539 P	--	--	--	--	--	--	0.263 P
Silver	mg/kg	0.79	--	--	--	0.0569 P	0.0588 P	0.0444 P	--	--	--	--	--	--	0.0388 P
Thallium	mg/kg	0.46	--	--	--	0.281 P	0.421 P	0.362 P	--	--	--	--	--	--	0.311 P
Vanadium	mg/kg	62	--	--	--	37.8 P	45.4 P	41.3 P	--	--	--	--	--	--	42.4 P
Zinc	mg/kg	110	--	--	--	119 P	71.9 P	70 P	--	--	--	--	--	--	111 P
DIOXINS															
TCDD TEQ	pg/g	0.87	3.0	--	--	0.922	0.152	0.0699	0.081 P	1.3 P	--	1.04 P	1.65 P	1.56 P	2.45 P
PCBs															
Aroclor 1016	ug/kg	--	--	140	RES	--	--	--	--	--	--	--	--	--	<18.9 P
Aroclor 1221	ug/kg	--	--	140	RES	--	--	--	--	--	--	--	--	--	<18.9 P
Aroclor 1232	ug/kg	--	--	77.6	ECO	--	--	--	--	--	--	--	--	--	<18.9 P
Aroclor 1242	ug/kg	--	--	78.7	ECO	--	--	--	--	--	--	--	--	--	<18.9 P
Aroclor 1248	ug/kg	--	--	11.4	ECO	--	--	--	--	--	--	--	--	--	<18.9 P
Aroclor 1254	ug/kg	--	--	77.6	ECO	--	--	--	--	--	--	--	--	--	<18.9 P
Aroclor 1260	ug/kg	--	--	77.6	ECO	--	--	--	--	--	--	--	--	--	<18.9 P
SVOCs															
1-Methyl naphthalene	ug/kg	--	--	24,716	RES	<19.1 P	<19.4 P	<19.2 P	<19.1 P	--	<19.4 P	<19.7 P	<20.3 P	--	<19 P
2-Methylnaphthalene	ug/kg	--	--	210,000	ECO	<19.1 P	<19.4 P	<19.2 P	<19.1 P	--	<19.4 P	<19.7	<20.3 P	--	<19 P
Acenaphthene	ug/kg	--	--	2,456	ECO	<19.1 P	<19.4 P	18.3P	<19.1 P	--	<19.4 P	<19.7 P	<20.3 P	--	<19 P
Acenaphthylene	ug/kg	--	--	270,384	ECO	<19.1 P	<19.4 P	<19.2 P	<19.1 P	--	<19.4 P	<19.7 P	<20.3 P	--	<19 P
Anthracene	ug/kg	--	--	2,384	ECO	<19.1 P	<19.4 P	65.4P	16.3 P	--	<19.4 P	<19.7 P	<20.3 P	--	8.82 P
Benzo(a)anthracene	ug/kg	--	--	600	RES	50P	<19.4 P	410P	241 P	--	<19.4 P	<19.7 P	14.2 P	--	125 P
Benzo(a)pyrene	ug/kg	--	--	60	RES	43.7P	<19.4 P	422P	178 P	--	<19.4 P	<19.7 P	11.5 P	--	119 P
Benzo(b)fluoranthene	ug/kg	--	--	600	RES	114P	<19.4 P	934P	380 P	--	7.14 P	<19.7 P	33.5 P	--	162 P
Benzo(ghi)perylene	ug/kg	--	--	6,411	ECO	30.1P	<19.4 P	296P	82.6 P	--	<19.4 P	<19.7 P	8.8 P	--	68.4 P
Benzo(k)fluoranthene	ug/kg	--	--	600	RES	<19.1 P	<19.4 P	<19.2 P	<19.1 P	--	<19.4 P	<19.7 P	<20.3 P	--	72.5 P
bis(2-Ethylhexyl) phthalate	ug/kg	--	--	4,926	ECO	37P	14.3P	36.3P	17.9 P	--	8.07 P	<19.7 P	7.95 P	--	14.8 P

TABLE A-9 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-1 and CTLI-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**LFBS0318**	**LFBS0319**	**LFBS0320**	**LFBS0321**	**LFBS0322**	**LFBS0322**	**LFBS0323**	**LFBS0324**	**LFBS0324**	**LFBS0325**
				Sample Name:		LFBS0318S001	LFBS0319S001	LFBS0320S001	LFBS0321AS001	LFBS0322AS001	LFBS0322BS001	LFBS0323AS001	LFBS0324AS001	LFBS0324S001	LFBS0325S001
				Collection Date:		3/3/2010	3/3/2010	3/3/2010	3/9/2010	3/4/2010	3/9/2010	3/9/2010	3/9/2010	3/3/2010	3/17/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
Butyl benzyl phthalate	ug/kg	--	--	339,549	ECO	<19.1 P	<19.4 P	<19.2 P	<19.1 P	--	<19.4 P	<19.7 P	<20.3 P	--	<19 P
Chrysene	ug/kg	--	--	2,359	ECO	62P	<19.4 P	424P	230 P	--	<19.4 P	<19.7 P	17.5 P	--	118 P
Dibenzo(a,h)anthracene	ug/kg	--	--	170	RES	<19.1 P	<19.4 P	<19.2 P	30.6 P	--	<19.4 P	<19.7 P	<20.3 P	--	<19 P
Diethyl phthalate	ug/kg	--	--	6,940,468	ECO	<19.1 P	<19.4 P	<19.2 P	<19.1 P	--	<19.4 P	<19.7 P	<20.3 P	--	<19 P
Dimethyl phthalate	ug/kg	--	--	4,438	ECO	<19.1 P	<19.4 P	<19.2 P	<19.1 P	--	<19.4 P	<19.7 P	<20.3 P	--	<19 P
Di-n-butyl phthalate	ug/kg	--	--	488	ECO	10.3P	7.7P	7.45P	<19.1 P	--	<19.4 P	<19.7 P	<20.3 P	--	6.12 P
Di-n-octyl phthalate	ug/kg	--	--	13,000	ECO	<19.1 P	<19.4 P	<19.2 P	<19.1 P	--	<19.4 P	<19.7 P	<20.3 P	--	<19 P
Fluoranthene	ug/kg	--	--	38,000	ECO	86.5P	<19.4 P	636P	347 P	--	<19.4 P	<19.7 P	13 P	--	185 P
Fluorene	ug/kg	--	--	1,646	ECO	<19.1 P	<19.4 P	17.3P	<19.1 P	--	<19.4 P	<19.7 P	<20.3 P	--	<19 P
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	600	RES	27.7P	<19.4 P	281P	87.2 P	--	<19.4 P	<19.7 P	8.86 P	--	66.1 P
Naphthalene	ug/kg	--	--	210,000	ECO	<19.1 P	<19.4 P	26.7P	<19.1 P	--	<19.4 P	<19.7 P	<20.3 P	--	<19 P
n-Nitrosodimethylamine	ug/kg	--	--	45	RES	<19.1 P	<19.4 P	<19.2 P	<19.1 P	--	<19.4 P	<19.7 P	<20.3 P	--	<19 P
Phenanthrene	ug/kg	--	--	1,314	ECO	15P	<19.4 P	297P	78.2 P	--	<19.4 P	<19.7 P	<20.3 P	--	32.8 P
Pyrene	ug/kg	--	--	18,000	ECO	87.1P	<19.4 P	472P	298 P	--	<19.4 P	<19.7 P	14 P	--	162 P

TABLE A-9 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-1 and CTLI-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**LFBS0326**	**LFBS0326**	**LFBS0327**	**LFBS0327**	**LFBS0328**	**LFBS0329**	**LFBS0330**	**LFBS0330**	**LFBS0331**
				Sample Name:		LFBS0326S001	LFBS0326S002	LFBS0327S001	LFBS0327S002	LFBS0328S001	LFBS0329S001	LFBS0330S001	LFBS0330S002	LFBS0331S001
				Collection Date:		3/17/2010	3/17/2010	3/17/2010	3/17/2010	3/17/2010	3/17/2010	3/17/2010	3/17/2010	3/17/2010
				Sample Depth (feet):		0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	4.5 - 5.0	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS														
Aluminum	mg/kg	20,000	--	--	--	10,900 P	16,300 P	14,000 P	14,200 P	11,400 P	15,400 P	10,500 P	18,800 P	10,200 P
Antimony	mg/kg	8.7	--	--	--	<0.383 P	<0.331 P	<0.343 P	<0.361 P	<0.349 P	<0.356 P	<0.386 P	<0.37 P	<0.392 P
Arsenic	mg/kg	15	--	--	--	10.5 P	9.66 P	12.3 P	5.72 P	10.3 P	10.1 P	7.82 P	11.2 P	8.55 P
Barium	mg/kg	140	--	--	--	124 P	187 P	136 P	65.8 P	158 P	141 P	110 P	146 P	108 P
Beryllium	mg/kg	1.1	--	--	--	0.968 P	1.6 P	1.08 P	0.729 P	1.24 P	0.993 P	0.742 P	1.47 P	0.862 P
Boron	mg/kg	9.7	--	--	--	2.79 P	<1 P	<1.04 P	<1.1 P	<1.06 P	1.22 P	2.11 P	<1.12 P	<1.19 P
Cadmium	mg/kg	1	1	--	--	0.168 P	0.387 P	0.204 P	0.0534 P	0.277 P	0.307 P	0.338 P	0.113 P	0.321 P
Chromium	mg/kg	36.8	--	--	--	26.3 P	43 P	24 P	19.6 P	29.1 P	26.3 P	22.6 P	43 P	26.8 P
Cobalt	mg/kg	21	--	--	--	6.56 P	17.5 P	7.23 P	5.42 P	8.81 P	8.01 P	5.9 P	10.2 P	10.1 P
Copper	mg/kg	29	29	--	--	16.5 P	22.8 P	15.2 P	9.57 P	19.9 P	18.1 P	15.8 P	17.7 P	19.8 P
Lead	mg/kg	34	34	--	--	22.8 P	16 P	28.7 P	7.11 P	32.7 P	32 P	45.2P	13.3 P	36.3P
Mercury	mg/kg	0.09	0.09	--	--	0.0214 P	0.00621 P	0.0242 P	<0.00454 P	0.0215 P	0.0189 P	0.0115 P	0.0155 P	0.0121 P
Molybdenum	mg/kg	5.3	--	--	--	<0.497 P	<0.473 P	<0.488 P	<0.463 P	<0.476 P	<0.503 P	<0.477 P	<0.462 P	<0.501 P
Nickel	mg/kg	29	--	--	--	15.9 P	27.1 P	16 P	10.4 P	17.9 P	18.3 P	14 P	26.8 P	17.6 P
Selenium	mg/kg	0.655	--	--	--	0.203 P	0.303 P	0.303 P	0.168 P	0.464 P	0.281 P	0.154 P	0.996 P	0.205 P
Silver	mg/kg	0.79	--	--	--	0.0321 P	0.0653 P	0.0357 P	0.0379 P	0.0357 P	0.0605 P	0.0246 P	0.069 P	0.0525 P
Thallium	mg/kg	0.46	--	--	--	0.369 P	0.383 P	0.304 P	0.258 P	0.315 P	0.374 P	0.248 P	0.438 P	0.33 P
Vanadium	mg/kg	62	--	--	--	46 P	73.2 P	44.5 P	34.2 P	52.2 P	48.6 P	38.9 P	71 P	45.1 P
Zinc	mg/kg	110	--	--	--	96.8 P	98 P	87.7 P	41.8 P	181 P	83.4 P	181 P	86.1 P	200 P
DIOXINS														
TCDD TEQ	pg/g	0.87	3.0	--	--	0.0849 P	0.0346 P	0.651 P	0.0407 P	1.34 P	1.80 P	2.19 P	0.311 P	9.39 P
PCBs														
Aroclor 1016	ug/kg	--	--	140	RES	<19.3 P	<19.2 P	<19.4 P	<3.78 P	<19 P	<19 P	<19.8 P	<4.09 P	<19.9 P
Aroclor 1221	ug/kg	--	--	140	RES	<19.3 P	<19.2 P	<19.4 P	<3.78 P	<19 P	<19 P	<19.8 P	<4.09 P	<19.9 P
Aroclor 1232	ug/kg	--	--	77.6	ECO	<19.3 P	<19.2 P	<19.4 P	<3.78 P	<19 P	<19 P	<19.8 P	<4.09 P	<19.9 P
Aroclor 1242	ug/kg	--	--	78.7	ECO	<19.3 P	<19.2 P	<19.4 P	<3.78 P	<19 P	<19 P	<19.8 P	<4.09 P	<19.9 P
Aroclor 1248	ug/kg	--	--	11.4	ECO	<19.3 P	<19.2 P	<19.4 P	<3.78 P	<19 P	<19 P	<19.8 P	<4.09 P	<19.9 P
Aroclor 1254	ug/kg	--	--	77.6	ECO	<19.3 P	<19.2 P	<19.4 P	<3.78 P	<19 P	<19 P	<19.8 P	<4.09 P	<19.9 P
Aroclor 1260	ug/kg	--	--	77.6	ECO	<19.3 P	<19.2 P	<19.4 P	<3.78 P	<19 P	<19 P	<19.8 P	<4.09 P	<19.9 P
SVOCs														
1-Methyl naphthalene	ug/kg	--	--	24,716	RES	<19.3 P	<19.3 P	<19.4 P	<18.8 P	<75.9 P	<380 P	<19.8 P	<20.5 P	<19.9 P
2-Methylnaphthalene	ug/kg	--	--	210,000	ECO	<19.3 P	<19.3 P	<19.4 P	<18.8 P	<75.9 P	<380 P	<19.8 P	<20.5 P	<19.9 P
Acenaphthene	ug/kg	--	--	2,456	ECO	<19.3 P	<19.3 P	<19.4 P	<18.8 P	<75.9 P	<380 P	<19.8 P	<20.5 P	<19.9 P
Acenaphthylene	ug/kg	--	--	270,384	ECO	<19.3 P	<19.3 P	<19.4 P	<18.8 P	<75.9 P	<380 P	<19.8 P	<20.5 P	<19.9 P
Anthracene	ug/kg	--	--	2,384	ECO	<19.3 P	<19.3 P	<19.4 P	<18.8 P	<75.9 P	291 J	4.18 P	<20.5 P	17.9 P
Benzo(a)anthracene	ug/kg	--	--	600	RES	<19.3 P	<19.3 P	<19.4 P	<18.8 P	342 P	10,500 P	82.7 P	<20.5 P	202 P
Benzo(a)pyrene	ug/kg	--	--	60	RES	<19.3 P	<19.3 P	<19.4 P	<18.8 P	309 P	9,700 P	77.4 P	<20.5 P	233 P
Benzo(b)fluoranthene	ug/kg	--	--	600	RES	<19.3 P	<19.3 P	26.3 P	<18.8 P	<75.9 P	14,700 P	128 P	<20.5 P	456 P
Benzo(ghi)perylene	ug/kg	--	--	6,411	ECO	<19.3 P	<19.3 P	<19.4 P	<18.8 P	145 P	5,270 P	44.6 P	<20.5 P	220 P
Benzo(k)fluoranthene	ug/kg	--	--	600	RES	<19.3 P	<19.3 P	<19.4 P	<18.8 P	<75.9 P	6,310 P	54.4 P	<20.5 P	157 P
bis(2-Ethylhexyl) phthalate	ug/kg	--	--	4,926	ECO	23.6 P	17 P	<19.4 P	17.2 P	<75.9 P	<380 P	23.2 P	17.4 P	<19.9 P

TABLE A-9 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-1 and CTLI-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		LFBS0326	LFBS0326	LFBS0327	LFBS0327	LFBS0328	LFBS0329	LFBS0330	LFBS0330	LFBS0331
				Sample Name:		LFBS0326S001	LFBS0326S002	LFBS0327S001	LFBS0327S002	LFBS0328S001	LFBS0329S001	LFBS0330S001	LFBS0330S002	LFBS0331S001
				Collection Date:		3/17/2010	3/17/2010	3/17/2010	3/17/2010	3/17/2010	3/17/2010	3/17/2010	3/17/2010	3/17/2010
				Sample Depth (feet):		0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	4.5 - 5.0	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
Butyl benzyl phthalate	ug/kg	--	--	339,549	ECO	<19.3 P	<19.3 P	<19.4 P	<18.8 P	<75.9 P	<380 P	<19.8 P	<20.5 P	<19.9 P
Chrysene	ug/kg	--	--	2,359	ECO	<19.3 P	<19.3 P	<19.4 P	<18.8 P	322 P	13,700 P	113 P	<20.5 P	237 P
Dibenzo(a,h)anthracene	ug/kg	--	--	170	RES	<19.3 P	<19.3 P	<19.4 P	<18.8 P	<75.9 P	<380 P	<19.8 P	<20.5 P	<19.9 P
Diethyl phthalate	ug/kg	--	--	6,940,468	ECO	<19.3 P	<19.3 P	<19.4 P	<18.8 P	<75.9 P	<380 P	<19.8 P	<20.5 P	<19.9 P
Dimethyl phthalate	ug/kg	--	--	4,438	ECO	<19.3 P	<19.3 P	<19.4 P	<18.8 P	<75.9 P	<380 P	<19.8 P	<20.5 P	<19.9 P
Di-n-butyl phthalate	ug/kg	--	--	488	ECO	8.49 P	8.74 P	<19.4 P	6.2 P	<75.9 P	<380 P	7.01 P	17.8 P	7.63 P
Di-n-octyl phthalate	ug/kg	--	--	13,000	ECO	<19.3 P	<19.3 P	<19.4 P	<18.8 P	<75.9 P	<380 P	<19.8 P	<20.5 P	<19.9 P
Fluoranthene	ug/kg	--	--	38,000	ECO	<19.3 P	<19.3 P	17 P	<18.8 P	451 P	12,200 P	105 P	<20.5 P	325 P
Fluorene	ug/kg	--	--	1,646	ECO	<19.3 P	<19.3 P	<19.4 P	<18.8 P	<75.9 P	<380 P	<19.8 P	<20.5 P	<19.9 P
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	600	RES	<19.3 P	<19.3 P	<19.4 P	<18.8 P	143 P	4,970 P	41.4	<20.5 P	203 P
Naphthalene	ug/kg	--	--	210,000	ECO	<19.3 P	<19.3 P	<19.4 P	<18.8 P	<75.9 P	<380 P	<19.8 P	<20.5 P	<19.9 P
n-Nitrosodimethylamine	ug/kg	--	--	45	RES	<19.3 P	<19.3 P	<19.4 P	<18.8 P	<75.9 P	<380 P	<19.8 P	<20.5 P	<19.9 P
Phenanthrene	ug/kg	--	--	1,314	ECO	<19.3 P	<19.3 P	<19.4 P	<18.8 P	87.5 P	262 P	16.7 P	<20.5 P	58.5 P
Pyrene	ug/kg	--	--	18,000	ECO	<19.3 P	<19.3 P	14.9 P	<18.8 P	416 P	10,500 P	94.7 P	<20.5 P	306 P

TABLE A-9 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-1 and CTLI-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**LFBS0331**	**LFBS0332**	**LFBS0333**	**LFBS0333**	**LFBS0334**	**LFBS0334**
				Sample Name:		LFBS0331S002	LFBS0332S001	LFBS0333S001	LFBS0333S002	LFBS0334S001	LFBS0334S002
				Collection Date:		3/17/2010	3/17/2010	3/17/2010	3/17/2010	3/17/2010	3/17/2010
				Sample Depth (feet):		4.5 - 5.0	0.0 - 0.5	0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	4.5 - 5.0
				Status:		In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS											
Aluminum	mg/kg	20,000	--	--	--	16,800 P	16,300 P	14,200 P	17,700 P	13,400 P	13,900 P
Antimony	mg/kg	8.7	--	--	--	<0.388 P	<0.385 P	<0.369 P	<0.409 P	<0.387 P	<0.38 P
Arsenic	mg/kg	15	--	--	--	13.2 P	9.42 P	11 P	7.51 P	8.65	6.71 P
Barium	mg/kg	140	--	--	--	182 P	171 P	98.7 P	135 P	108 P	90.1 P
Beryllium	mg/kg	1.1	--	--	--	1.41 P	1.13 P	1.01 P	1.26 P	0.924 P	1.08 P
Boron	mg/kg	9.7	--	--	--	<1.17 P	<1.17	<1.12 P	<1.24 P	<1.17 P	<1.15 P
Cadmium	mg/kg	1	1	--	--	0.198 P	0.245 P	0.0718 P	0.102 P	0.178 P	0.082 P
Chromium	mg/kg	36.8	--	--	--	44.1 P	28 P	27.4 P	34.3 P	23.1 P	24.9 P
Cobalt	mg/kg	21	--	--	--	13 P	9.1 P	5.47 P	6.62 P	9.74 P	6.07 P
Copper	mg/kg	29	29	--	--	20.1 P	18.4 P	14 P	18.1 P	13 P	13.7 P
Lead	mg/kg	34	34	--	--	15 P	32.8 P	11.8 P	13.5 P	22.4 P	9.69 P
Mercury	mg/kg	0.09	0.09	--	--	0.0089 P	0.0366 P	0.0139 P	0.0161 P	0.0197 P	0.0209 P
Molybdenum	mg/kg	5.3	--	--	--	<0.501 P	<0.487 P	<0.482 P	0.666 P	0.826 P	<0.505 P
Nickel	mg/kg	29	--	--	--	28.2 P	18.3 P	15.9 P	21.5 P	16.6 P	16.7 P
Selenium	mg/kg	0.655	--	--	--	0.289 P	0.332 P	0.286 P	0.494 P	0.261 P	0.269 P
Silver	mg/kg	0.79	--	--	--	0.0509 P	0.0488 P	0.0415 P	0.0943 P	0.0529 P	0.144 P
Thallium	mg/kg	0.46	--	--	--	0.497 P	0.326 P	0.322 P	0.459 P	0.301 P	0.292 P
Vanadium	mg/kg	62	--	--	--	73.7 P	48.5 P	46.6 P	54.6 P	40.7 P	42.3 P
Zinc	mg/kg	110	--	--	--	104 P	80.9 P	71.2P	75.8 P	81.9 P	55.7 P
DIOXINS											
TCDD TEQ	pg/g	0.87	3.0	--	--	0.141 P	1.62 P	0.335 P	0.110 P	0.817 P	0.158 P
PCBs											
Aroclor 1016	ug/kg	--	--	140	RES	<4.13 P	<19.3 P	<3.82 P	<4.3 P	<19.8 P	<4.04 P
Aroclor 1221	ug/kg	--	--	140	RES	<4.13 P	<19.3 P	<3.82 P	<4.3 P	<19.8 P	<4.04 P
Aroclor 1232	ug/kg	--	--	77.6	ECO	<4.13 P	<19.3 P	<3.82 P	<4.3 P	<19.8 P	<4.04 P
Aroclor 1242	ug/kg	--	--	78.7	ECO	<4.13 P	<19.3 P	<3.82 P	<4.3 P	<19.8 P	<4.04 P
Aroclor 1248	ug/kg	--	--	11.4	ECO	<4.13 P	<19.3 P	<3.82 P	<4.3 P	<19.8 P	<4.04 P
Aroclor 1254	ug/kg	--	--	77.6	ECO	<4.13 P	<19.3 P	<3.82 P	<4.3 P	<19.8 P	<4.04 P
Aroclor 1260	ug/kg	--	--	77.6	ECO	<4.13 P	<19.3 P	<3.82 P	<4.3 P	<19.8 P	<4.04 P
SVOCs											
1-Methyl naphthalene	ug/kg	--	--	24,716	RES	<20.6 P	<19.4 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P
2-Methylnaphthalene	ug/kg	--	--	210,000	ECO	<20.6 P	<19.4 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P
Acenaphthene	ug/kg	--	--	2,456	ECO	<20.6 P	<19.4 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P
Acenaphthylene	ug/kg	--	--	270,384	ECO	<20.6 P	<19.4 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P
Anthracene	ug/kg	--	--	2,384	ECO	<20.6 P	<19.4 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P
Benzo(a)anthracene	ug/kg	--	--	600	RES	<20.6 P	<19.4 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P
Benzo(a)pyrene	ug/kg	--	--	60	RES	<20.6 P	<19.4 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P
Benzo(b)fluoranthene	ug/kg	--	--	600	RES	<20.6 P	21.4 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P
Benzo(ghi)perylene	ug/kg	--	--	6,411	ECO	<20.6 P	<19.4 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P
Benzo(k)fluoranthene	ug/kg	--	--	600	RES	<20.6 P	<19.4 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P
bis(2-Ethylhexyl) phthalate	ug/kg	--	--	4,926	ECO	17 P	35.8 P	22.2 P	22.5 P	65 P	44.2 P

TABLE A-9 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-1 and CTLI-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		LFBS0331	LFBS0332	LFBS0333	LFBS0333	LFBS0334	LFBS0334
				Sample Name:		LFBS0331S002	LFBS0332S001	LFBS0333S001	LFBS0333S002	LFBS0334S001	LFBS0334S002
				Collection Date:		3/17/2010	3/17/2010	3/17/2010	3/17/2010	3/17/2010	3/17/2010
				Sample Depth (feet):		4.5 - 5.0	0.0 - 0.5	0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	4.5 - 5.0
				Status:		In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
Butyl benzyl phthalate	ug/kg	--	--	339,549	ECO	<20.6 P	<19.4 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P
Chrysene	ug/kg	--	--	2,359	ECO	<20.6 P	<19.4 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P
Dibenzo(a,h)anthracene	ug/kg	--	--	170	RES	<20.6 P	<19.4 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P
Diethyl phthalate	ug/kg	--	--	6,940,468	ECO	<20.6 P	<19.4 P	<19.1 P	<21.4 P	9.15 P	<20.1 P
Dimethyl phthalate	ug/kg	--	--	4,438	ECO	<20.6 P	<19.4 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P
Di-n-butyl phthalate	ug/kg	--	--	488	ECO	<20.6 P	9.42 P	8.45 P	9.21 P	8.74 P	8.12 P
Di-n-octyl phthalate	ug/kg	--	--	13,000	ECO	<20.6 P	<19.4 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P
Fluoranthene	ug/kg	--	--	38,000	ECO	<20.6 P	30.5 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P
Fluorene	ug/kg	--	--	1,646	ECO	<20.6 P	<19.4 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	600	RES	<20.6 P	<19.4 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P
Naphthalene	ug/kg	--	--	210,000	ECO	<20.6 P	<19.4 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P
n-Nitrosodimethylamine	ug/kg	--	--	45	RES	<20.6 P	<19.4 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P
Phenanthrene	ug/kg	--	--	1,314	ECO	<20.6 P	10.7 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P
Pyrene	ug/kg	--	--	18,000	ECO	<20.6 P	23.7 P	<19.1 P	<21.4 P	<19.9 P	<20.1 P

TABLE A-10 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-3
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		ENBS0082	ENBS0083	ENBS0089	ENBS0090	ENBS0091	ENBS0133	ENBS0134	ENBS0135	ENBS0143	ENBS0143
				Sample Name:		ENBS0082S001	ENBS0083S001	ENBS0089S001	ENBS0090S001	ENBS0091S001	ENBS0133S001	ENBS0134S001	ENBS0135S001	ENBS0143D001	ENBS0143S001
				Collection Date:		6/2/2009	6/2/2009	7/14/2009	7/14/2009	7/14/2009	1/29/2010	1/29/2010	1/28/2010	2/1/2010	2/1/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS															
Aluminum	mg/kg	20,000	--	--	--	--	--	--	--	--	--	--	--	13,500 P	13,200 P
Antimony	mg/kg	8.7	--	--	--	--	--	--	--	--	--	--	--	<0.353 P	<0.358 P
Arsenic	mg/kg	15	--	--	--	--	--	--	--	--	--	--	--	6.38 P	7.54 P
Barium	mg/kg	140	--	--	--	--	--	--	--	--	--	--	--	98.9 P	103 P
Beryllium	mg/kg	1.1	--	--	--	--	--	--	--	--	--	--	--	0.744 P	0.808 P
Boron	mg/kg	9.7	--	--	--	--	--	--	--	--	--	--	--	<1.07 P	<1.09 P
Cadmium	mg/kg	1	1	--	--	--	--	--	--	--	--	--	--	0.19 P	0.391 P
Chromium	mg/kg	36.8	--	--	--	--	--	--	--	--	--	--	--	22 P	20.8 P
Cobalt	mg/kg	21	--	--	--	--	--	--	--	--	--	--	--	6.01 P	7.19 P
Copper	mg/kg	29	29	--	--	11	17	--	--	--	--	--	--	13.2 P	15.5 P
Lead	mg/kg	34	34	--	--	15	12	24.2 J	--	--	79.9 P	38.4	36.5	24.7 P	45 P
Mercury	mg/kg	0.09	0.09	--	--	--	--	--	--	--	--	--	--	0.0201 P	0.0281 P
Molybdenum	mg/kg	5.3	--	--	--	--	--	--	--	--	--	--	--	0.505 P	0.715 P
Nickel	mg/kg	29	--	--	--	--	--	--	--	--	--	--	--	14.4 P	14.1 P
Selenium	mg/kg	0.655	--	--	--	--	--	--	--	--	--	--	--	<0.543 P	<0.582 P
Silver	mg/kg	0.79	--	--	--	--	--	--	--	--	--	--	--	0.0543 P	0.0678 P
Thallium	mg/kg	0.46	--	--	--	--	--	--	--	--	--	--	--	0.37 P	0.337 P
Vanadium	mg/kg	62	--	--	--	--	--	--	--	--	--	--	--	44.8 P	40.1 P
Zinc	mg/kg	110	--	--	--	--	--	--	--	--	--	--	--	104 P	133 P
DIOXINS															
TCDD TEQ	pg/g	0.87	3.0	--	--	0.162	0.835	1.12	1.19	1.17	--	0.693	0.668	0.335	0.444
SVOCs															
1-Methyl naphthalene	ug/kg	--	--	24,716	RES	<17 J	<16.9 J	--	--	--	--	--	--	<19.7 P	<20.4 P
2-Methylnaphthalene	ug/kg	--	--	210,000	ECO	<17 J	<16.9 J	--	--	--	--	--	--	<19.7 P	<20.4 P
Acenaphthene	ug/kg	--	--	2,456	ECO	<17 J	<16.9 J	--	--	--	--	--	--	<19.7 P	<20.4 P
Acenaphthylene	ug/kg	--	--	270,384	ECO	<17 J	<16.9 J	--	--	--	--	--	--	<19.7 P	<20.4 P
Anthracene	ug/kg	--	--	2,384	ECO	<17 J	<16.9 J	--	--	--	--	--	--	<19.7 P	<20.4 P
Benzo(a)anthracene	ug/kg	--	--	600	RES	<17 J	5.08 J	--	--	--	--	--	--	<19.7 P	<20.4 P
Benzo(a)pyrene	ug/kg	--	--	60	RES	<17 J	<16.9 J	--	--	--	--	--	--	20.1 P	<20.4 P
Benzo(b)fluoranthene	ug/kg	--	--	600	RES	<17 J	8.88 J	--	--	--	--	--	--	43.8 P	<20.4 P
Benzo(ghi)perylene	ug/kg	--	--	6,411	ECO	<17 J	5.19 J	--	--	--	--	--	--	<19.7 P	<20.4 P
Benzo(k)fluoranthene	ug/kg	--	--	600	RES	<17 J	<16.9 J	--	--	--	--	--	--	<19.7 P	<20.4 P
bis(2-Ethylhexyl) phthalate	ug/kg	--	--	4,926	ECO	<17 J	<16.9 J	--	--	--	--	--	--	32.4 P	28.4 P
Butyl benzyl phthalate	ug/kg	--	--	339,549	ECO	<17 J	<16.9 J	--	--	--	--	--	--	<19.7 P	8 P
Chrysene	ug/kg	--	--	2,359	ECO	<17 J	5.91 J	--	--	--	--	--	--	21.3 P	<20.4 P
Dibenzo(a,h)anthracene	ug/kg	--	--	170	RES	<17 J	<16.9 J	--	--	--	--	--	--	<19.7 P	<20.4 P
Diethyl phthalate	ug/kg	--	--	6,940,468	ECO	<17 J	<16.9 J	--	--	--	--	--	--	<19.7 P	<20.4 P
Dimethyl phthalate	ug/kg	--	--	4,438	ECO	<17 J	<16.9 J	--	--	--	--	--	--	<19.7 P	<20.4 P
Di-n-butyl phthalate	ug/kg	--	--	488	ECO	<17 J	6.7 J	--	--	--	--	--	--	<19.7 P	7.34 P
Di-n-octyl phthalate	ug/kg	--	--	13,000	ECO	<17 J	<16.9 J	--	--	--	--	--	--	<19.7 P	<20.4 P
Fluoranthene	ug/kg	--	--	38,000	ECO	<17 J	5.64 J	--	--	--	--	--	--	29.1 P	<20.4 P
Fluorene	ug/kg	--	--	1,646	ECO	<17 J	<16.9 J	--	--	--	--	--	--	<19.7 P	<20.4 P

TABLE A-10 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-3
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		ENBS0082	ENBS0083	ENBS0089	ENBS0090	ENBS0091	ENBS0133	ENBS0134	ENBS0135	ENBS0143	ENBS0143
				Sample Name:		ENBS0082S001	ENBS0083S001	ENBS0089S001	ENBS0090S001	ENBS0091S001	ENBS0133S001	ENBS0134S001	ENBS0135S001	ENBS0143D001	ENBS0143S001
				Collection Date:		6/2/2009	6/2/2009	7/14/2009	7/14/2009	7/14/2009	1/29/2010	1/29/2010	1/28/2010	2/1/2010	2/1/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	600	RES	<17 J	<16.9 J	--	--	--	--	--	--	<19.7 P	<20.4 P
Naphthalene	ug/kg	--	--	210,000	ECO	<17 J	<16.9 J	--	--	--	--	--	--	<19.7 P	<20.4 P
n-Nitrosodimethylamine	ug/kg	--	--	45	RES	<17 J	<16.9 J	--	--	--	--	--	--	<19.7 P	<20.4 P
Phenanthrene	ug/kg	--	--	1,314	ECO	<17 J	<16.9 J	--	--	--	--	--	--	<19.7 P	<20.4 P
Pyrene	ug/kg	--	--	18,000	ECO	<17 J	6.63 J	--	--	--	--	--	--	29 P	<20.4 P

TABLE A-10 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-3
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**ENBS0144**	**ENBS0146**
				Sample Name:		ENBS0144S001	ENBS0146S001
				Collection Date:		2/1/2010	2/1/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**
METALS							
Aluminum	mg/kg	20,000	--	--	--	13,200 P	11,900 P
Antimony	mg/kg	8.7	--	--	--	<0.359 P	<0.354 P
Arsenic	mg/kg	15	--	--	--	7.84 P	7.81 P
Barium	mg/kg	140	--	--	--	104 P	69.7 P
Beryllium	mg/kg	1.1	--	--	--	0.862 P	0.735 P
Boron	mg/kg	9.7	--	--	--	<1.09 P	<1.07 P
Cadmium	mg/kg	1	1	--	--	0.21 P	0.136 P
Chromium	mg/kg	36.8	--	--	--	27 P	23.8 P
Cobalt	mg/kg	21	--	--	--	7.48 P	6.32 P
Copper	mg/kg	29	29	--	--	13.2 P	11.1 P
Lead	mg/kg	34	34	--	--	23.9 P	14.5 P
Mercury	mg/kg	0.09	0.09	--	--	0.0228 P	0.0183 P
Molybdenum	mg/kg	5.3	--	--	--	0.69 P	0.792 P
Nickel	mg/kg	29	--	--	--	14.9 P	15.6 P
Selenium	mg/kg	0.655	--	--	--	<0.544 P	0.522 P
Silver	mg/kg	0.79	--	--	--	0.0476 P	0.0472 P
Thallium	mg/kg	0.46	--	--	--	0.33 P	0.281 P
Vanadium	mg/kg	62	--	--	--	45.8 P	36.8 P
Zinc	mg/kg	110	--	--	--	80.5 P	68.6 P
DIOXINS							
TCDD TEQ	pg/g	0.87	3.0	--	--	--	--
SVOCs							
1-Methyl naphthalene	ug/kg	--	--	24,716	RES	<19.1 P	<18.9 P
2-Methylnaphthalene	ug/kg	--	--	210,000	ECO	<19.1 P	<18.9 P
Acenaphthene	ug/kg	--	--	2,456	ECO	<19.1 P	<18.9 P
Acenaphthylene	ug/kg	--	--	270,384	ECO	<19.1 P	<18.9 P
Anthracene	ug/kg	--	--	2,384	ECO	<19.1 P	<18.9 P
Benzo(a)anthracene	ug/kg	--	--	600	RES	25.8 P	53.5 P
Benzo(a)pyrene	ug/kg	--	--	60	RES	19.6 P	45.4 P
Benzo(b)fluoranthene	ug/kg	--	--	600	RES	40.2 P	101 P
Benzo(ghi)perylene	ug/kg	--	--	6,411	ECO	<19.1 P	16.1 P
Benzo(k)fluoranthene	ug/kg	--	--	600	RES	<19.1 P	<18.9 P
bis(2-Ethylhexyl) phthalate	ug/kg	--	--	4,926	ECO	15.6 P	14 P
Butyl benzyl phthalate	ug/kg	--	--	339,549	ECO	<19.1 P	<18.9 P
Chrysene	ug/kg	--	--	2,359	ECO	19 P	44 P
Dibenzo(a,h)anthracene	ug/kg	--	--	170	RES	<19.1 P	<18.9 P
Diethyl phthalate	ug/kg	--	--	6,940,468	ECO	<19.1 P	<18.9 P
Dimethyl phthalate	ug/kg	--	--	4,438	ECO	<19.1 P	<18.9 P
Di-n-butyl phthalate	ug/kg	--	--	488	ECO	<19.1 P	<18.9 P
Di-n-octyl phthalate	ug/kg	--	--	13,000	ECO	<19.1 P	<18.9 P
Fluoranthene	ug/kg	--	--	38,000	ECO	45.4 P	86.1 P
Fluorene	ug/kg	--	--	1,646	ECO	<19.1 P	<18.9 P

TABLE A-10 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-3
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**ENBS0144**	**ENBS0146**
				Sample Name:		ENBS0144S001	ENBS0146S001
				Collection Date:		2/1/2010	2/1/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	600	RES	8.02 P	17 P
Naphthalene	ug/kg	--	--	210,000	ECO	<19.1 P	<18.9 P
n-Nitrosodimethylamine	ug/kg	--	--	45	RES	<19.1 P	<18.9 P
Phenanthrene	ug/kg	--	--	1,314	ECO	<19.1 P	8.93 P
Pyrene	ug/kg	--	--	18,000	ECO	38.9 P	83.7 P

TABLE A-11 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – CTLI-4
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		ENBS0085	ENBS0087	ENBS0119	ENBS0120	ENBS0121	ENBS0122	ENBS0123	ENBS0128
				Sample Name:		ENBS0085S001	ENBS0087S001	ENBS0119S001	ENBS0120S001	ENBS0121S001	ENBS0122S001	ENBS0123S001	ENBS0128S001
				Collection Date:		6/2/2009	6/2/2009	1/28/2010	1/28/2010	1/28/2010	1/28/2010	1/28/2010	1/28/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
DIOXINS													
TCDD TEQ	pg/g	0.87	3.0	--	--	0.294	0.976	1.86	2.91	7.23 P	0.159 P	6.03	3.45

CTLI FOOTNOTES
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

Notes:

"--" - not analyzed / not applicable

* - Zero value for TCDD TEQ result indicates that all the analyitical results used to calculate the TEQ were non-detect.

[a] Soil background values from MWH (September 2005) Soil Background Report, Santa Susana Field Laboratory, Ventura County, California.

[b] ISRA SRGs are established for ISRA Constituents of Concern, which include constituents that were detected at concentrations that exceeded NPDES permit limits/benchmarks. SRGs for metals are equal to the 2005 background comparison concentration and the SRG for dioxins is approximately 3 times the 2005 background comparison concentration.

[c] RBSL values provided to DTSC in March 2009, Interim Final Human Health and Ecological Risk-Based Screening Levels (RBSLs) for Use in RCRA Facility

BG - background

bgs - below ground surface

Dioxins/ TCDD TEQ - A sum of 17 dioxin / furan congener results adjusted for toxicity. The TEQ is calculated by multiplying the result of each congener by its respective 2005 World Health Organization (WHO) toxic equivalency factor (TEF), which is based on the relative potency of the congener to cause a toxic response relative to 2,3,7,8-TCDD. Non Detects are calculated as zero. TCDD TEQ values do not include laboratory data not quantified (DNQ) as specified in the NPDES permit.

Grey highlighted cells indicate concentration exceeds the Soil Remediation Goal (SRG).

J - Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.

mg/kg - milligrams per kilogram

P - Preliminary data, data has not been validated

pg/g - picograms per gram

R - Result rejected during validation

RBSL - risk-based screening levels

SRG - Soil Remediation Goal

TCDD TEQ - tetrachlorobenzo-p-dioxin toxic equivalent (normalized to 2,3,7,8-TCDD)

TABLE A-12 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – LOX-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		ENBS0080	ENBS0158	ENBS0159	ENBS0160	ENBS0161	ENBS0166	ENBS0171	ENBS0175	ENBS0180	ENBS0185	ENBS0185
				Sample Name:		ENBS0080S001	ENBS0158S001	ENBS0159S001	ENBS0160S001	ENBS0161S001	ENBS0166S001	ENBS0171S001	ENBS0175S001	ENBS0180S001	ENBS0185D001	ENBS0185S001
				Collection Date:		6/2/2009	1/29/2010	1/29/2010	1/29/2010	1/29/2010	1/29/2010	2/1/2010	2/2/2010	2/2/2010	2/2/2010	2/2/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																
Lead	mg/kg	34	34	--	--	--	--	--	--	--	--	11 P	7.84 P	--	--	--
DIOXINS																
TCDD TEQ	pg/g	0.87	3.0	--	--	0.446	0.343	0.354	0.383	0.0914	0.397	0.00528	0*	0.00426	0.316	0.00621

TABLE A-12 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – LOX-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**ENBS0195**	**ENBS0196**
				Sample Name:		ENBS0195S001	ENBS0196S001
				Collection Date:		3/17/2010	3/17/2010
				Sample Depth (feet):		0.0 - 0.5	0.0 - 0.5
				Status:		In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**
METALS							
Lead	mg/kg	34	34	--	--	124 P	16.2 P
DIOXINS							
TCDD TEQ	pg/g	0.87	3.0	--	--	--	--

TABLE A-13 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – LOX-1
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		LXBS1032	LXBS1033	LXBS1034	LXBS1035	LXBS1036	LXBS1037	LXBS1038	LXBS1038	LXBS1039	LXBS1040	LXBS1041
				Sample Name:		LXBS1032S001	LXBS1033S001	LXBS1034S001	LXBS1035S001	LXBS1036S001	LXBS1037S001	LXBS1038S001	LXBS1038S002	LXBS1039S001	LXBS1040S001	LXBS1041S001
				Collection Date:		4/1/2009	4/1/2009	4/1/2009	4/1/2009	4/1/2009	4/1/2009	4/1/2009	4/1/2009	4/1/2009	4/1/2009	4/2/2009
				Sample Depth (feet):		0 - 0.5	0 - 0.25	0 - 0.25	0 - 0.5	0 - 0.25	0 - 0.25	0 - 0.25	4.5 - 5	0 - 0.25	0 - 0.25	0 - 0.25
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																
Cadmium	mg/kg	1	1	--	--	--	0.151 J	0.184 J	0.181 J	--	--	--	--	--	--	--
Copper	mg/kg	29	29	--	--	--	25.2	24.6	13.8	--	78.9	71.4	7.98	83.6	9.58	15.6
Lead	mg/kg	34	34	--	--	--	--	--	--	--	18.2	35	4.36	39.5	--	42.7
Mercury	mg/kg	0.09	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--
DIOXINS																
TCDD TEQ	pg/g	0.87	3.0	--	--	4.11	--	--	--	1.27	5.88	36.86	0.58	8.16	1.58	1.15

TABLE A-13 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – LOX-1
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		LXBS1042	LXBS1043	LXBS1044	LXBS1045	LXBS1046	LXBS1047	LXBS1048	LXBS1049	LXBS1049	LXBS1050	LXBS1051
				Sample Name:		LXBS1042S001	LXBS1043S001	LXBS1044S001	LXBS1045S001	LXBS1046S001	LXBS1047S001	LXBS1048S001	LXBS1049S001	LXBS1049S002	LXBS1050S001	LXBS1051S001
				Collection Date:		4/2/2009	4/2/2009	4/1/2009	4/2/2009	4/1/2009	4/1/2009	4/1/2009	4/1/2009	4/1/2009	4/2/2009	4/2/2009
				Sample Depth (feet):		0 - 0.25	0 - 0.5	0 - 0.1	1 - 0.1	0 - 0.1	0 - 0.1	0 - 0.1	0 - 0.1	2.5 - 3	0 - 0.5	0 - 0.25
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																
Cadmium	mg/kg	1	1	--	--	--	--	0.0899 J	--	--	--	--	--	--	--	--
Copper	mg/kg	29	29	--	--	18.4	25.7 J	15.4	--	12.8	12.2	26.4	10.4	21.5	18.3	33
Lead	mg/kg	34	34	--	--	--	16.3 J	--	30	23.9	24.7	33.6	7.73	13.6	15.2	203
Mercury	mg/kg	0.09	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--
DIOXINS																
TCDD TEQ	pg/g	0.87	3.0	--	--	2.44	1.38	0.37	--	335.34	2.97	101.62	0.59	0.49	3.37	8.05

TABLE A-13 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – LOX-1
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		LXBS1057	LXBS1058	LXBS1059	LXBS1060	LXBS1061	LXBS1062	LXBS1063	LXBS1064	LXBS1065	LXBS1066	LXBS1067
				Sample Name:		LXBS1057S001	LXBS1058S001	LXBS1059S001	LXBS1060S001	LXBS1061S001	LXBS1062S001	LXBS1063S001	LXBS1064S001	LXBS1065S001	LXBS1066S001	LXBS1067S001
				Collection Date:		6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009
				Sample Depth (feet):		0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.3	0 - 0.3	0 - 0.3	0 - 0.5	0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																
Cadmium	mg/kg	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	29	29	--	--	--	--	50.1	73.7	34.5	40.2	--	--	--	121	--
Lead	mg/kg	34	34	--	--	--	--	61.9	--	--	--	29.3 J	50.9	48.2	53.3	--
Mercury	mg/kg	0.09	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--
DIOXINS																
TCDD TEQ	pg/g	0.87	3.0	--	--	1.54	11.24	20.26	0.65	0.73	2.59	1.08	1.32	9.13	6.76	9.06

TABLE A-13 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – LOX-1
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		LXBS1068	LXBS1069	LXBS1070	LXBS1071	LXBS1072	LXBS1073	LXBS1074	LXBS1075	LXBS1076	LXBS1077	LXBS1078
				Sample Name:		LXBS1068S001	LXBS1069S001	LXBS1070S001	LXBS1071S001	LXBS1072S001	LXBS1073S001	LXBS1074S001	LXBS1075S001SP	LXBS1076S001	LXBS1077S001	LXBS1078S001
				Collection Date:		6/16/2009	6/16/2009	8/26/2009	8/26/2009	8/26/2009	8/26/2009	8/25/2009	8/26/2009	8/25/2009	2/8/2010	2/8/2010
				Sample Depth (feet):		0 - 0.3	0 - 0.3	0 - 0.25	0 - 0.5	0 - 0.25	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																
Cadmium	mg/kg	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	29	29	--	--	--	--	--	22.3	8.04	14	9.87 J	13.4	--	--	--
Lead	mg/kg	34	34	--	--	--	--	71.6	--	--	--	5.96	10.6	--	--	--
Mercury	mg/kg	0.09	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--
DIOXINS																
TCDD TEQ	pg/g	0.87	3.0	--	--	4.17	2.90	30.25	--	--	--	0.88	--	0.94	0.75	0.99

LOX FOOTNOTES
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

Notes:

"--" - not analyzed / not applicable

* - Zero value for TCDD TEQ result indicates that all the analyitical results used to calculate the TEQ were non-detect.

[a] Soil background values from MWH (September 2005) Soil Background Report, Santa Susana Field Laboratory, Ventura County, California.

[b] ISRA SRGs are established for ISRA Constituents of Concern, which include constituents that were detected at concentrations that exceeded NPDES permit limits/benchmarks. SRGs for metals are equal to the 2005 background comparison concentration and the SRG for dioxins is approximately 3 times the 2005 background comparison concentration.

[c] RBSL values provided to DTSC in March 2009, Interim Final Human Health and Ecological Risk-Based Screening Levels (RBSLs) for Use in RCRA Facility

BG - background

bgs - below ground surface

Dioxins/ TCDD TEQ - A sum of 17 dioxin / furan congener results adjusted for toxicity. The TEQ is calculated by multiplying the result of each congener by its respective 2005 World Health Organization (WHO) toxic equivalency factor (TEF), which is based on the relative potency of the congener to cause a toxic response relative to 2,3,7,8-TCDD. Non Detects are calculated as zero. TCDD TEQ values do not include laboratory data not quantified (DNQ) as specified in the NPDES permit.

Grey highlighted cells indicate concentration exceeds the Soil Remediation Goal (SRG).

J - Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.

mg/kg - milligrams per kilogram

P - Preliminary data, data has not been validated

pg/g - picograms per gram

RBSL - risk-based screening levels

SRG - Soil Remediation Goal

TCDD TEQ - tetrachlorobenzo-p-dioxin toxic equivalent (normalized to 2,3,7,8-TCDD)

TABLE A-14 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – A2LF-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		A2BS1078	A2BS1079	A2BS1080	A2BS1081	A2BS1082	A2BS1083	A2BS1084	A2BS1086	A2BS1094	A2BS1097	A2BS1098
				Sample Name:		A2BS1078S001	A2BS1079S001	A2BS1080S001	A2BS1081S001	A2BS1082S001	A2BS1083S001	A2BS1084S001	A2BS1086S001	A2BS1094S001	A2BS1097S001	A2BS1098S001
				Collection Date:		4/3/2009	4/3/2009	4/3/2009	4/3/2009	4/3/2009	4/3/2009	4/3/2009	4/3/2009	6/16/2009	8/26/2009	8/26/2009
				Sample Depth (feet):		0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	3 - 3.5	0 - 0	0 - 0.25	0 - 0.25
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																
Lead	mg/kg	34	34	--	--	10.6	14.1	--	--	9.81	--	--	--	--	--	--
Mercury	mg/kg	0.09	0.09	--	--	0.0454	0.15	0.0655	0.174	0.0248	0.111	0.0587	0.0258	0.145	0.0049 J	0.027

A2LF FOOTNOTES
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

Notes:

Sample Exceeds the 2005 Background Comparison Concentration (MWH, 2005)

J - Result is estimated

mg/kg - milligrams per kilogram

pg/g - picograms per gram

TCDD TEQ - tetrachlorobenzo-p-dioxin toxic equivalent (normalized to 2,3,7,8-TCDD)

"--" - not analyzed

Dioxins / TCDD TEQ - A sum of 17 dioxin / furan congener results adjusted for toxicity. The TEQ is calculated by multiplying the result of each congener by its respective World Health Organization's (WHO's) toxic equivalency factor (TEF), which is based on the relative potency of the congener to cause a toxic response relative to 2,3,7,8-TCDD. TCDD TEQ values do not include laboratory data not quantified (DNQ) as specified in the NPDES permit.

TABLE A-15 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – AP/STP-1
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		APBS1015	APBS1020	APBS1022	APBS1023	APBS1023	APBS1024	APBS1025	APBS1025	APBS1026	APBS1027	APBS1028
				Sample Name:		APBS1015AS001	APBS1020AS001	APBS1022S001	APBS1023S001	APBS1023S002	APBS1024S001	APBS1025S001	APBS1025S002	APBS1026S001	APBS1027S001	APBS1028S001
				Collection Date:		3/31/2009	3/31/2009	3/31/2009	3/31/2009	3/31/2009	3/31/2009	3/31/2009	3/31/2009	3/31/2009	4/1/2009	4/1/2009
				Sample Depth (feet):		4.5 - 5	4.5 - 5	0 - 0.5	0 - 0.5	4 - 4.5	0 - 0.5	0 - 0.5	4.5 - 5	0 - 0.5	0 - 0.5	0 - 0.4
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																
Cadmium	mg/kg	1	1	--	--	--	--	--	--	--	--	--	--	--	--	1.62
Copper	mg/kg	29	29	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	34	34	--	--	--	--	--	--	--	--	--	--	--	--	28.1
Mercury	mg/kg	0.09	0.09	--	--	--	--	--	--	--	--	--	--	--	--	0.116
DIOXINS																
TCDD TEQ	pg/g	0.87	3.0	--	--	0.31	0.63	0.31	2.52	0.20	1.37	8.23	0.46	5.79	1.99	--

TABLE A-15 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – AP/STP-1
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		APBS1029	APBS1029	APBS1030	APBS1030	APBS1031	APBS1032	APBS1032	APBS1033	APBS1033	APBS1034	APBS1034
				Sample Name:		APBS1029S001	APBS1029S002	APBS1030S001	APBS1030S002	APBS1031S001	APBS1032S001	APBS1032S002	APBS1033S001	APBS1033S002	APBS1034S001	APBS1034S002
				Collection Date:		3/31/2009	3/31/2009	4/1/2009	4/1/2009	3/31/2009	3/31/2009	3/31/2009	3/31/2009	3/31/2009	3/31/2009	3/31/2009
				Sample Depth (feet):		0 - 0.5	4.5 - 5	0 - 0.5	4.25 - 4.75	0 - 0.1	0 - 0.1	4.5 - 5	0 - 0.1	4.5 - 5	0 - 0.1	4.5 - 5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																
Cadmium	mg/kg	1	1	--	--	3.42	0.0324 J	0.916	0.369	--	--	--	--	--	--	--
Copper	mg/kg	29	29	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	34	34	--	--	115	4.8	26.9	7.32	--	--	--	--	--	--	--
Mercury	mg/kg	0.09	0.09	--	--	0.399	0.00672	0.0659	0.00786	--	--	--	--	--	--	--
DIOXINS																
TCDD TEQ	pg/g	0.87	3.0	--	--	--	--	3.28	1.46	4.30	68.89	2.62	16.00	0.45	4.07	0.82

TABLE A-15 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – AP/STP-1
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		APBS1035	APBS1035	APBS1036	APBS1036	APBS1037	APBS1037	APBS1038	APBS1038	APBS1039	APBS1039	APBS1040
				Sample Name:		APBS1035S001	APBS1035S002	APBS1036S001	APBS1036S002	APBS1037S001	APBS1037S002	APBS1038S001	APBS1038S002	APBS1039S001	APBS1039S002	APBS1040S001
				Collection Date:		3/31/2009	3/31/2009	3/31/2009	3/31/2009	3/31/2009	3/31/2009	3/31/2009	3/31/2009	4/1/2009	4/1/2009	4/1/2009
				Sample Depth (feet):		0 - 0.1	4.5 - 5	0 - 0.1	4.5 - 5	0 - 0.1	4.5 - 5	0 - 0.1	4.5 - 5	0 - 0.5	2.5 - 3	0 - 0.1
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																
Cadmium	mg/kg	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	29	29	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	34	34	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	0.09	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--
DIOXINS																
TCDD TEQ	pg/g	0.87	3.0	--	--	1.86	0.64	0.85	0.52	0.79	0.51	14.30	1.33	0.60	0.39	46.52

TABLE A-15 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – AP/STP-1
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		APBS1040	APBS1041	APBS1041	APBS1042	APBS1042	APBS1044	APBS1045	APBS1047	APBS1048	APBS1049	APBS1050
				Sample Name:		APBS1040S002	APBS1041S001	APBS1041S002	APBS1042S001	APBS1042S002	APBS1044S001	APBS1045S001	APBS1047S001	APBS1048S001	APBS1049S001	APBS1050S001
				Collection Date:		4/1/2009	4/1/2009	4/1/2009	4/1/2009	4/1/2009	4/1/2009	4/1/2009	6/17/2009	6/17/2009	6/17/2009	6/17/2009
				Sample Depth (feet):		3.5 - 4	0 - 0.1	4.5 - 5	0 - 0.1	4.5 - 5	4.5 - 5	4.5 - 5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																
Cadmium	mg/kg	1	1	--	--	--	--	--	--	--	--	--	0.11 J	0.204 J	0.747	0.299
Copper	mg/kg	29	29	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	34	34	--	--	--	--	--	--	--	--	--	--	9.2	10.3	9.84
Mercury	mg/kg	0.09	0.09	--	--	--	--	--	--	--	--	--	0.0333	0.027	0.192	0.0216
DIOXINS																
TCDD TEQ	pg/g	0.87	3.0	--	--	2.33	3.75	0.45	611.08	2.91	0.48	0.53	1.86	--	3.95	4.43

TABLE A-15 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – AP/STP-1
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		APBS1051	APBS1052	APBS1053	APBS1054	APBS1055	APBS1056	APBS1057	APBS1058	APBS1059	APBS1060	APBS1061
				Sample Name:		APBS1051S001	APBS1052S001	APBS1053S001	APBS1054S001	APBS1055S001	APBS1056S001	APBS1057S001	APBS1058S001	APBS1059S001	APBS1060S001	APBS1061S001
				Collection Date:		6/17/2009	6/17/2009	6/17/2009	6/17/2009	6/17/2009	6/17/2009	6/17/2009	6/17/2009	6/17/2009	6/17/2009	6/17/2009
				Sample Depth (feet):		0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.3	0 - 0.3	0 - 0.3	0 - 0.5	0 - 0.3	0 - 0.3
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																
Cadmium	mg/kg	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	29	29	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	34	34	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	0.09	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--
DIOXINS																
TCDD TEQ	pg/g	0.87	3.0	--	--	14.86	0.50	1.48	1.99	2.48	6.86	1.42	1.09	1.89	0.76	3.91

TABLE A-15 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – AP/STP-1
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		APBS1062	APBS1063	APBS1064	APBS1065	APBS1066	APBS1067	APBS1068	APBS1069	APBS1070	APBS1071	APBS1072
				Sample Name:		APBS1062S001	APBS1063S001	APBS1064S001	APBS1065S001	APBS1066S001	APBS1067S001	APBS1068S001	APBS1069S001	APBS1070S001	APBS1071S001	APBS1072S001
				Collection Date:		6/17/2009	6/17/2009	6/17/2009	6/17/2009	6/17/2009	6/17/2009	6/17/2009	6/17/2009	8/25/2009	8/25/2009	6/17/2009
				Sample Depth (feet):		0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.3	0 - 0.5	0 - 0.5	0 - 0.3
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																
Cadmium	mg/kg	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	29	29	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	34	34	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	0.09	0.09	--	--	--	--	--	--	--	--	--	--	--	0.02	--
DIOXINS																
TCDD TEQ	pg/g	0.87	3.0	--	--	0.99	6.80	1.40	1.25	9.43	1.60	35.80	0.55	4.37	--	1.19

TABLE A-15 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – AP/STP-1
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		APBS1073	APBS1074	APBS1075	APBS1076	APBS1077	APBS1078	APBS1078	APBS1079	APBS1080	APBS1081	APBS1082
				Sample Name:		APBS1073S001	APBS1074S001	APBS1075S001	APBS1076S001	APBS1077S001	APBS1078S001	APBS1078S001SP	APBS1079S001	APBS1080S001	APBS1081S001	APBS1082S001
				Collection Date:		6/17/2009	6/17/2009	6/17/2009	8/25/2009	8/25/2009	8/25/2009	8/25/2009	8/25/2009	8/25/2009	8/25/2009	2/8/2010
				Sample Depth (feet):		0 - 0.3	0 - 0.3	0 - 0.3	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS																
Cadmium	mg/kg	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	29	29	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	34	34	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	0.09	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--
DIOXINS																
TCDD TEQ	pg/g	0.87	3.0	--	--	4.43	12.82	1.28	1.29	0.71	1.73	1.40	3.71	0.90	0.95	10.22

TABLE A-15 OUTFALL 009 DATA GAP AND SOURCE DELINEATION SAMPLE RESULTS – AP/STP-1
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

				Object Name:		**APBS1083**	**APBS1084**	**APBS1085**	**APBS1086**	**APBS1087**	**APBS1088**	**BTBS1017**	**BTBS1017**	**BTBS1018**	**BTBS1018**
				Sample Name:		APBS1083S001	APBS1084S001	APBS1085S001	APBS1086S001	APBS1087S001	APBS1088S001	BTBS1017S001	BTBS1017S002	BTBS1018S001	BTBS1018S002
				Collection Date:		2/8/2010	2/8/2010	2/8/2010	2/8/2010	2/8/2010	2/8/2010	4/1/2009	4/1/2009	4/1/2009	4/1/2009
				Sample Depth (feet):		0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.1	2.5 - 3	0 - 0.5	2.5 - 3
				Status:		In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place	In Place
ANALYTE	**UNITS**	**BG[a]**	**ISRA SRG[b]**	**Lowest RBSL[c]**	**RBSL Type**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
METALS															
Cadmium	mg/kg	1	1	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	29	29	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	34	34	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	0.09	0.09	--	--	--	--	--	--	--	--	--	--	--	--
DIOXINS															
TCDD TEQ	pg/g	0.87	3.0	--	--	1.54	1.14	0.28	0.34	0.28	0.53	0.33	0.42	0.47	0.42

AP/STP FOOTNOTES
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

Notes:

Sample Exceeds the 2005 Background Comparison Concentration (MWH, 2005)

J - Result is estimated

mg/kg - milligrams per kilogram

pg/g - picograms per gram

TCDD TEQ - tetrachlorobenzo-p-dioxin toxic equivalent (normalized to 2,3,7,8-TCDD)

"--" - not analyzed

Dioxins / TCDD TEQ - A sum of 17 dioxin / furan congener results adjusted for toxicity. The TEQ is calculated by multiplying the result of each congener by its respective World Health Organization's (WHO's) toxic equivalency factor (TEF), which is based on the relative potency of the congener to cause a toxic response relative to 2,3,7,8-TCDD. TCDD TEQ values do not include laboratory data not quantified (DNQ) as specified in the NPDES permit.