

ARROYO SIMI (Frontier Park Receiving Water)

**ANNUAL 2008 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1 through December 31, 2008

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	2/28/2008		5/21/2008	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
pH (Field)	pH Units	6.5-8.5/-	ANR	ANR	7.8	*
Temperature	F	-/-	ANR	ANR	71	*
Total Cyanide	ug/L	-/-	ND < 0.0022	U	ANR	ANR
Hardness	mg/L	-/-	830	--	740	--
Volume Discharged	MGD	-/-	ANR	ANR	ANR	ANR
METALS						
Aluminum	ug/L	-/-	ND < 40	U	ANR	ANR
Antimony	ug/L	-/-	0.47	J (DNQ)	ANR	ANR
Arsenic	ug/L	-/-	2.6	--	ANR	ANR
Beryllium	ug/L	-/-	ND < 0.20	U	ANR	ANR
Cadmium	ug/L	-/-	0.31	J (DNQ)	ANR	ANR
Calcium	mg/L	-/-	220	--	200	--
Chromium	ug/L	-/-	1.1	J (DNQ)	ANR	ANR
Copper	ug/L	-/-	3.9	--	ANR	ANR
Lead	ug/L	-/-	ND < 0.30	U	ANR	ANR
Magnesium	mg/L	-/-	68	--	60	--
Mercury	mg/L	-/-	ND < 0.050	U	ANR	ANR
Nickel	ug/L	-/-	10	--	ANR	ANR
Selenium	ug/L	-/-	9.4	--	ANR	ANR
Silver	ug/L	-/-	ND < 0.30	U	ANR	ANR
Thallium	ug/L	-/-	ND < 0.20	U	ANR	ANR
Zinc	ug/L	-/-	ND < 10	UJ (B)	ANR	ANR
ORGANICS						
Benzene	ug/L	-/-	ND < 0.28	U	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ND < 0.28	U	ANR	ANR
Chloroform	ug/L	-/-	ND < 0.33	U	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ND < 0.27	U	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ND < 0.28	U	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ND < 0.42	U	ANR	ANR
Ethylbenzene	ug/L	-/-	ND < 0.25	U	ANR	ANR
Tetrachloroethene	ug/L	-/-	ND < 0.32	U	ANR	ANR
Toluene	ug/L	-/-	ND < 0.36	U	ANR	ANR
Xylenes (Total)	ug/L	-/-	ND < 0.90	U	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ND < 0.30	U	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ND < 0.30	U	ANR	ANR
Trichloroethene	ug/L	-/-	ND < 0.26	U	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ND < 0.34	U	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ND < 0.50	U	ANR	ANR
Vinyl chloride	ug/L	-/-	ND < 0.30	U	ANR	ANR
ADDITIONAL ANALYTES						
2,4,5-Trichlorophenol	ug/L	-/-	ND < 0.19	U	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ND < 0.24	U	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ND < 0.096	U	ANR	ANR
1,2,3-Trichloropropane	ug/L	-/-	ND < 0.40	U	ANR	ANR

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			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
1,2-Dibromoethane (EDB)	ug/L	-/-	ND < 0.40	U	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ND < 0.32	U	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ND < 0.096	U	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ND < 0.35	U	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ND < 0.096	U	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ND < 0.096	U	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ND < 0.35	U	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ND < 0.37	U	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ND < 0.19	U	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ND < 0.096	U	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ND < 0.19	U	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ND < 0.29	U	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ND < 0.87	UJ (C)	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ND < 0.19	U	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ND < 0.096	U	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ND < 1.8	U	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ND < 0.096	U	ANR	ANR
2-Chlorophenol	ug/L	-/-	ND < 0.19	U	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ND < 0.19	U	ANR	ANR
2-Methylnaphthalene	ug/L	-/-	ND < 0.096	U	ANR	ANR
2-Methylphenol	ug/L	-/-	ND < 0.096	U	ANR	ANR
2-Nitrophenol	ug/L	-/-	ND < 0.096	U	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ND < 0.38	U	ANR	ANR
4,4'-DDD	ug/L	0.0014/-	ND < 0.0019	UJ (C)	ND < 0.0019	*
4,4'-DDE	ug/L	0.001/-	ND < 0.0028	U	ND < 0.0028	*
4,4'-DDT	ug/L	0.001/-	ND < 0.0038	UJ (C)	ND < 0.0038	*
4-Bromophenylphenylether	ug/L	-/-	ND < 0.096	U	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ND < 0.19	U	ANR	ANR
4-Chloroaniline	ug/L	-/-	ND < 0.096	UJ (C)	ANR	ANR

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January 1 through December 31, 2008

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	2/28/2008		5/21/2008	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Aroclor-1260	ug/L	0.0003/-	ND < 0.28	U	ND < 0.28	*
Benzidine	ug/L	-/-	ND < 0.96	UJ (C)	ANR	ANRBeniTrN4688.7(02)

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2/28/2008

5/21/2008

ARROYO SIMI (Frontier Park Receiving Water)

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THE BOEING COMPANY
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NPDES PERMIT CA0001309**

January 1 through December 31, 2008

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	8/7/2008		11/20/2008	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
pH (Field)	pH Units	6.5-8.5/-	7.9	*	7.7	*
Temperature	F	-/-	79.5	*	58.0	*
Total Cyanide	ug/L	-/-	ANR	ANR	ANR	ANR
Hardness	mg/L	-/-	650	--	670	ANR
Volume Discharged	MGD	-/-	ANR	ANR	ANR	ANR
METALS						
Aluminum	ug/L	-/-	ANR	ANR	ANR	ANR
Antimony	ug/L	-/-	ANR	ANR	ANR	ANR
Arsenic	ug/L	-/-	ANR	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR	ANR
Cadmium	ug/L	-/-	ANR	ANR	ANR	ANR
Calcium	mg/L	-/-	170	--	180	--
Chromium	ug/L	-/-	ANR	ANR	ANR	ANR
Copper	ug/L	-/-	ANR	ANR	ANR	ANR
Lead	ug/L	-/-	ANR	ANR	ANR	ANR
Magnesium	mg/L	-/-	54	--	52	--
Mercury	mg/L	-/-	ANR	ANR	ANR	ANR
Nickel	ug/L	-/-	ANR	ANR	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR	ANR
Thallium	ug/L	-/-	ANR	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR	ANR
ORGANICS						
Benzene	ug/L	-/-	ANR	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES						
2,4,5-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2,3-Trichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR

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January 1 through December 31, 2008

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	8/7/2008		11/20/2008	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Aroclor-1260	ug/L	0.0003/-	ND < 0.28	*	ND < 0.28	*
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(g,h,l)perylene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzoic acid	ug/L	-/-	ANR	ANR	ANR	ANR
Benzyl alcohol	ug/L	-/-	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Chlordane	ug/L	0.001/-	ND < 0.028	*	ND < 0.038	*
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR
Chlorpyrifos	ug/L	0.02/-	ND < 0.10	U	ND < 0.52	U
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
Diazinon	ug/L	0.16/-	ND < 0.24	U	ND < 1.2	U
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Dibenzofuran	ug/L	-/-	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Dieldrin	ug/L	0.0002/-	ND < 0.0019	*	ND < 0.0019	*
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Diisopropyl ether	ug/L	-/-	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin ketone	ug/L	-/-	ANR	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR

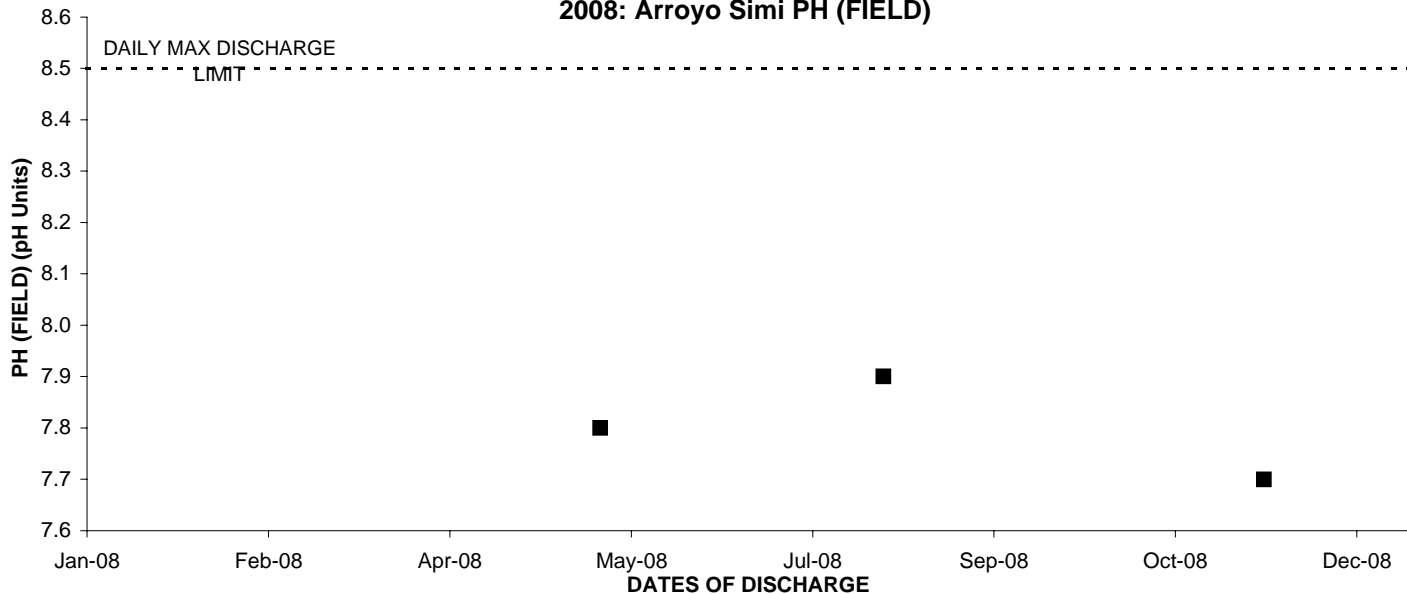
ARROYO SIMI (Frontier Park Receiving Water)

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

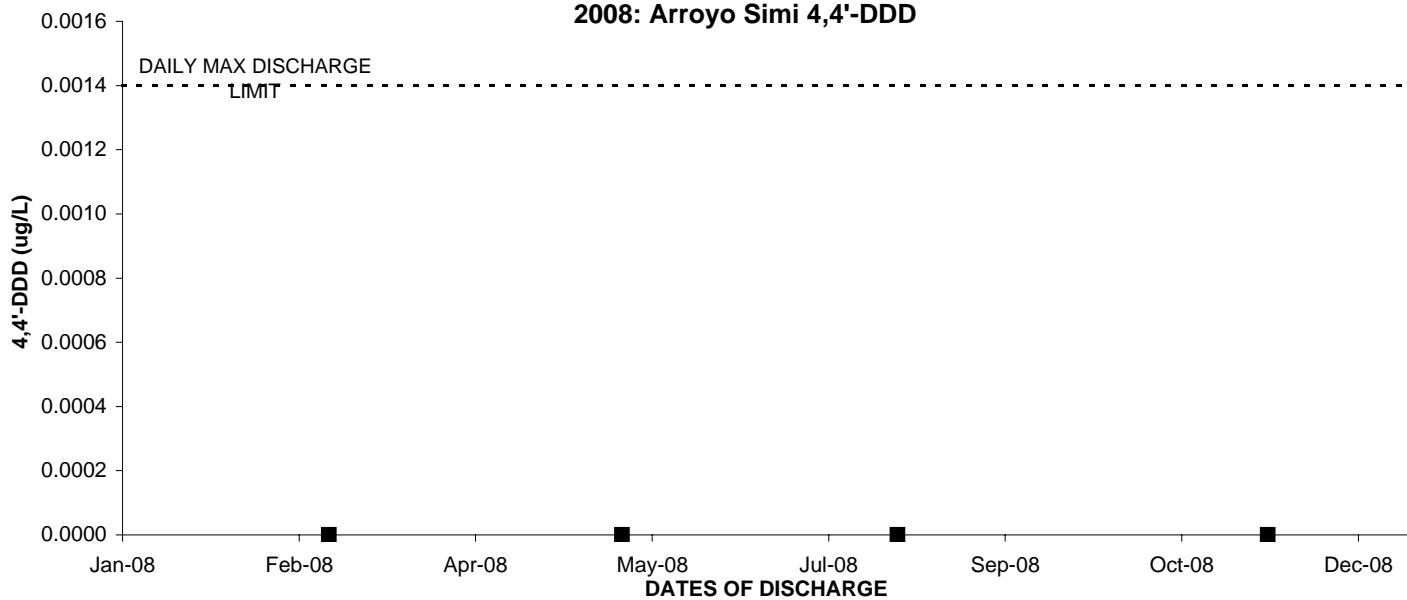
January 1 through December 31, 2008

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	8/7/2008		11/20/2008	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR
Methoxychlor	ug/L	-/-	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR
Methyl-tert-butyl ether	ug/L	-/-	ANR	ANR	ANR	ANR
m-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR
o-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	ANR
p-Cresol	ug/L	-/-	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR
p-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
tertiary Butyl Alcohol	ug/L	-/-	ANR	ANR	ANR	ANR
Toxaphene	ug/L	0.0003/-				
trans-1,2-Dichloroethene	ug/L	-/-				
trans-1,3-Dichloropropene	ug/L	-/-				

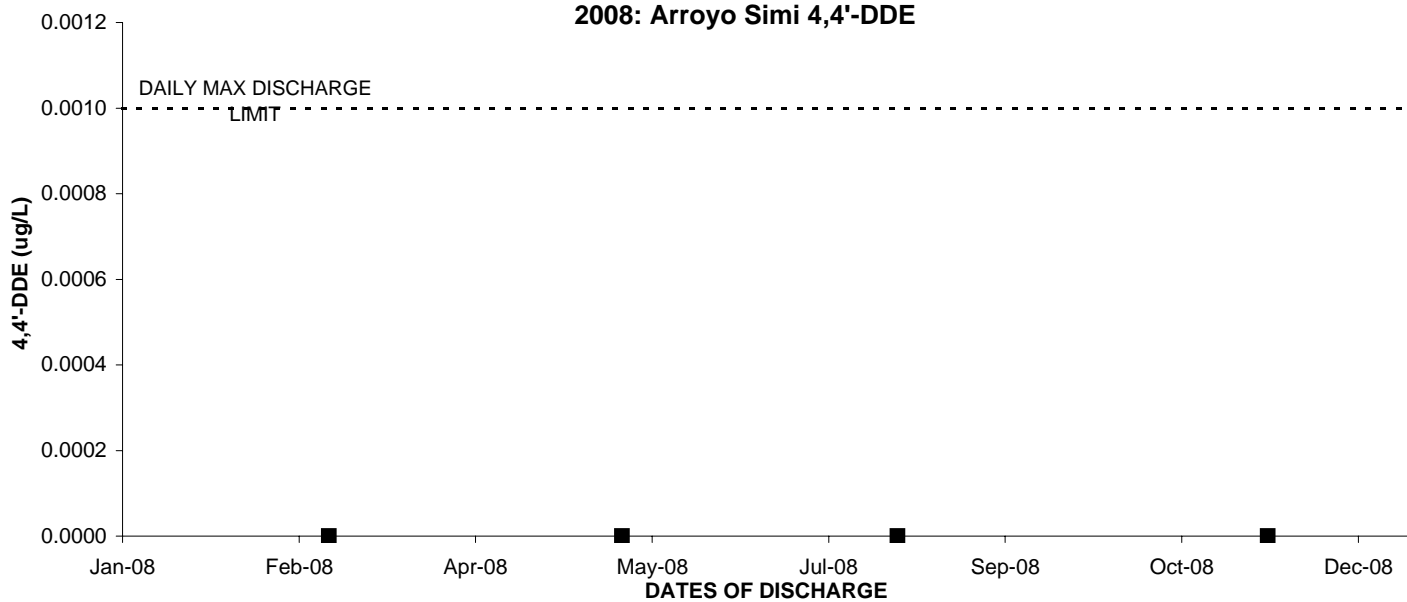
2008: Arroyo Simi PH (FIELD)



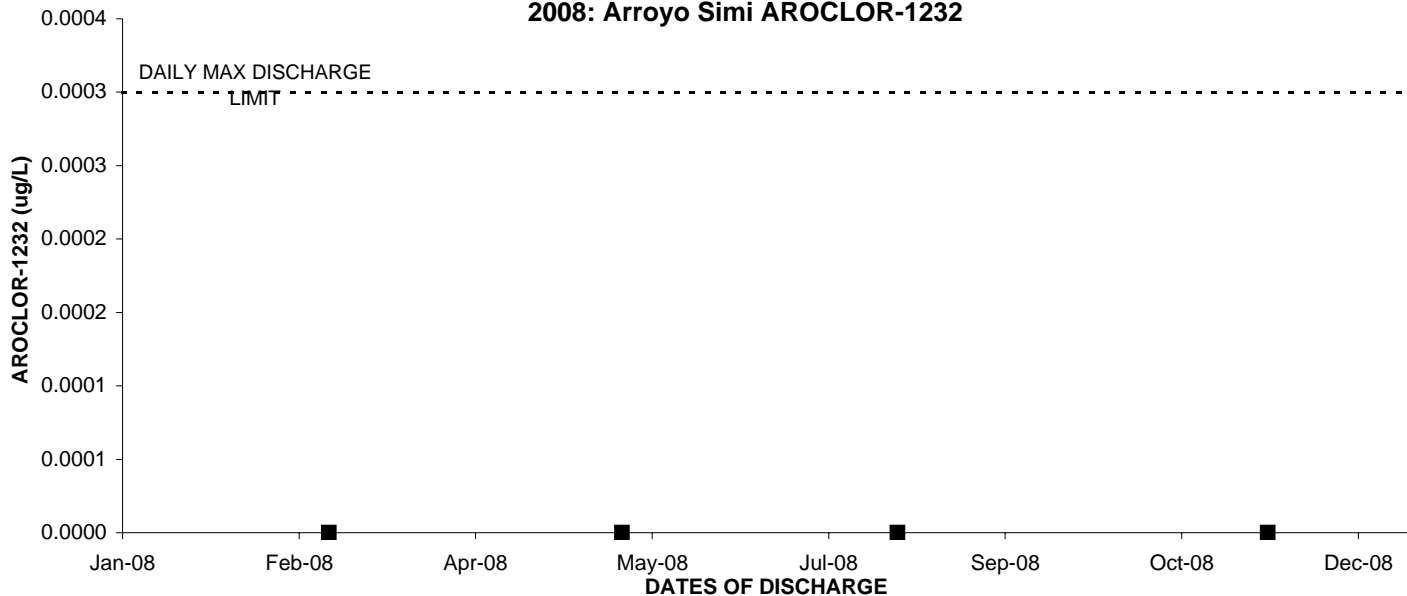
2008: Arroyo Simi 4,4'-DDD



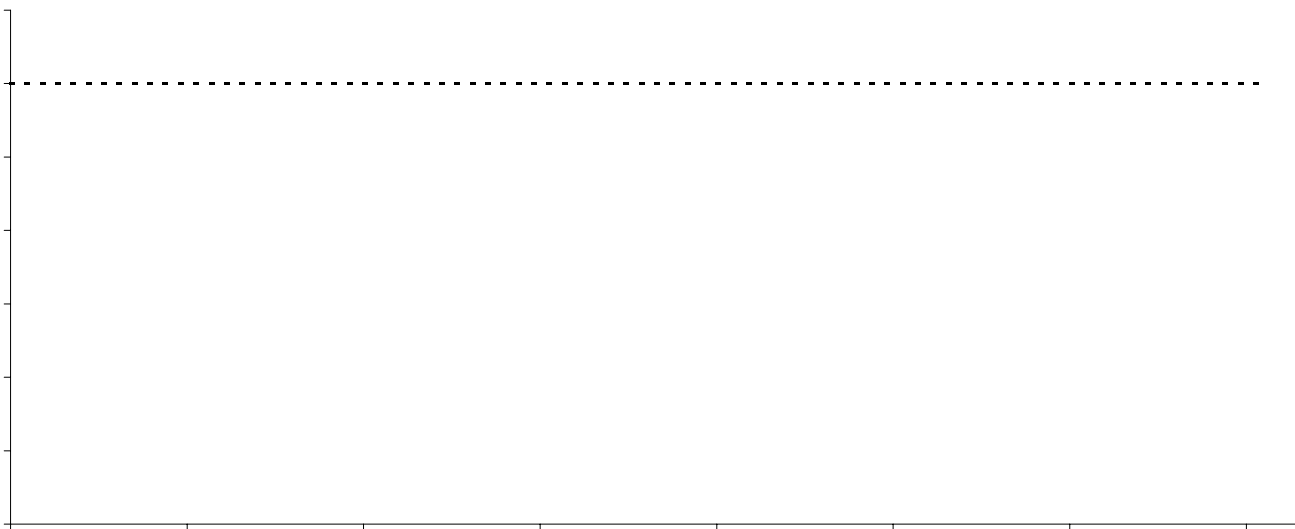
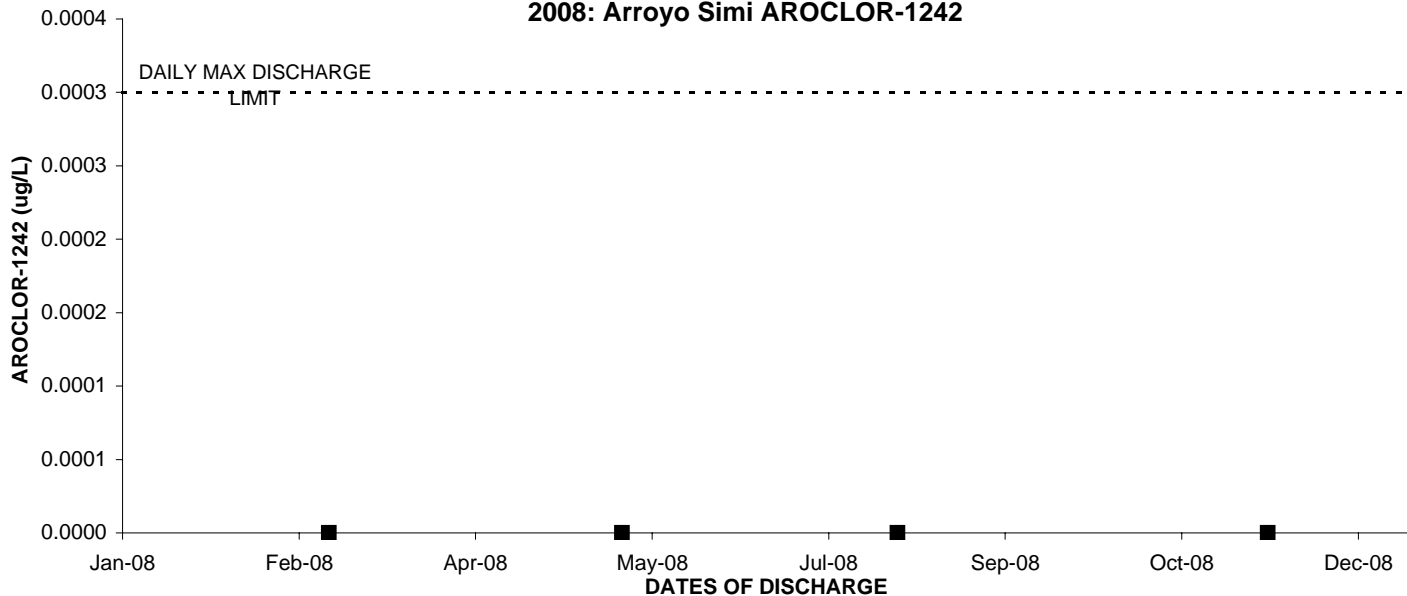
2008: Arroyo Simi 4,4'-DDE

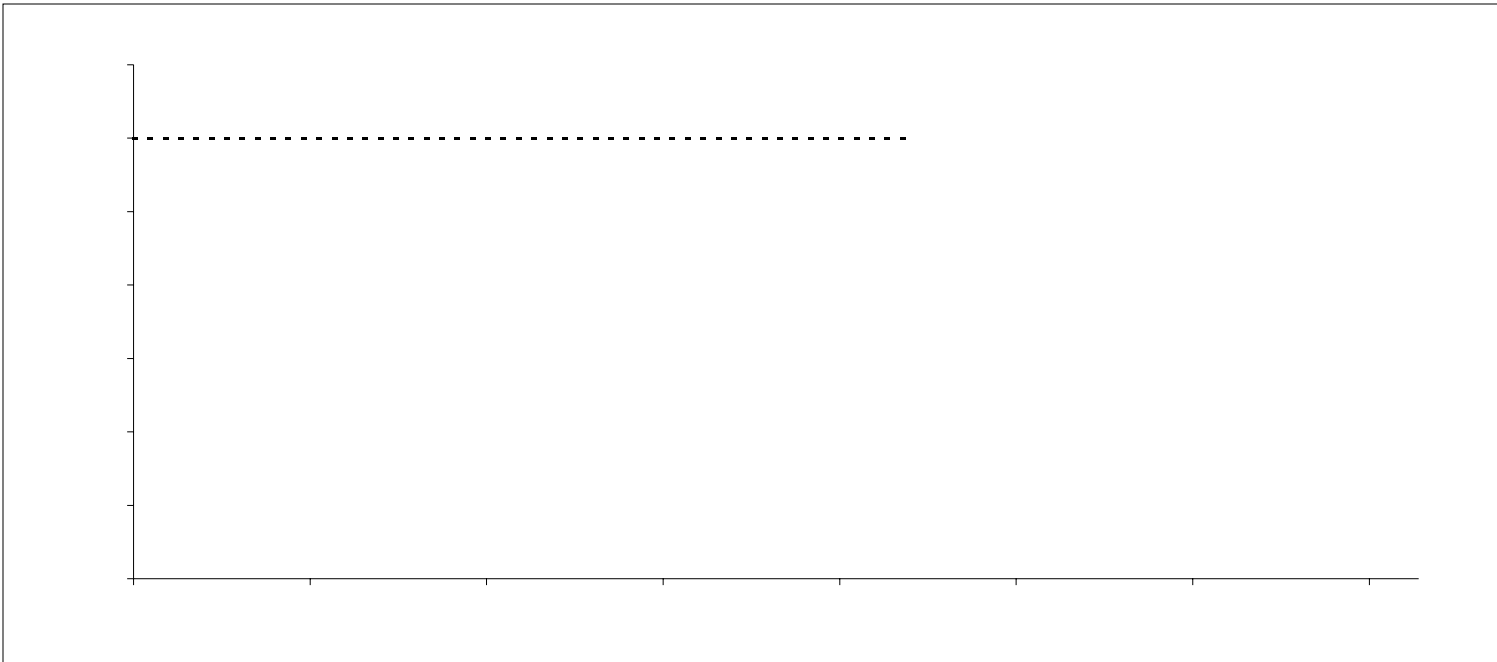


2008: Arroyo Simi AROCLOR-1232

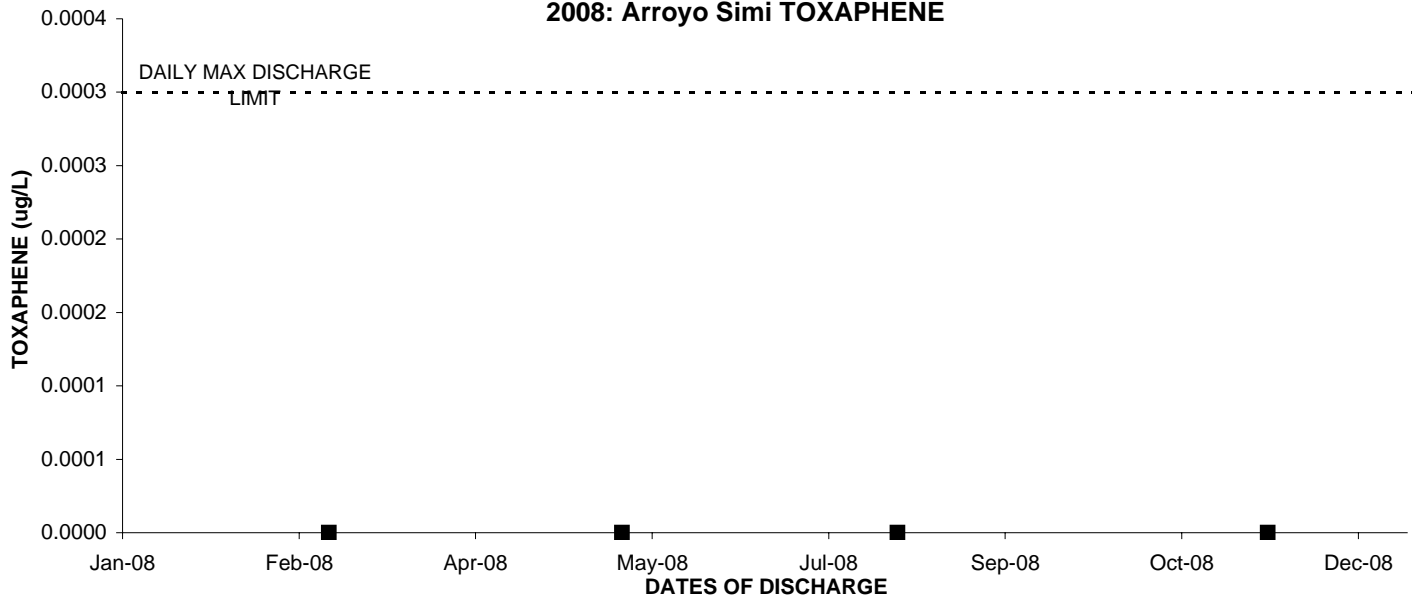


2008: Arroyo Simi AROCLOR-1242





2008: Arroyo Simi TOXAPHENE



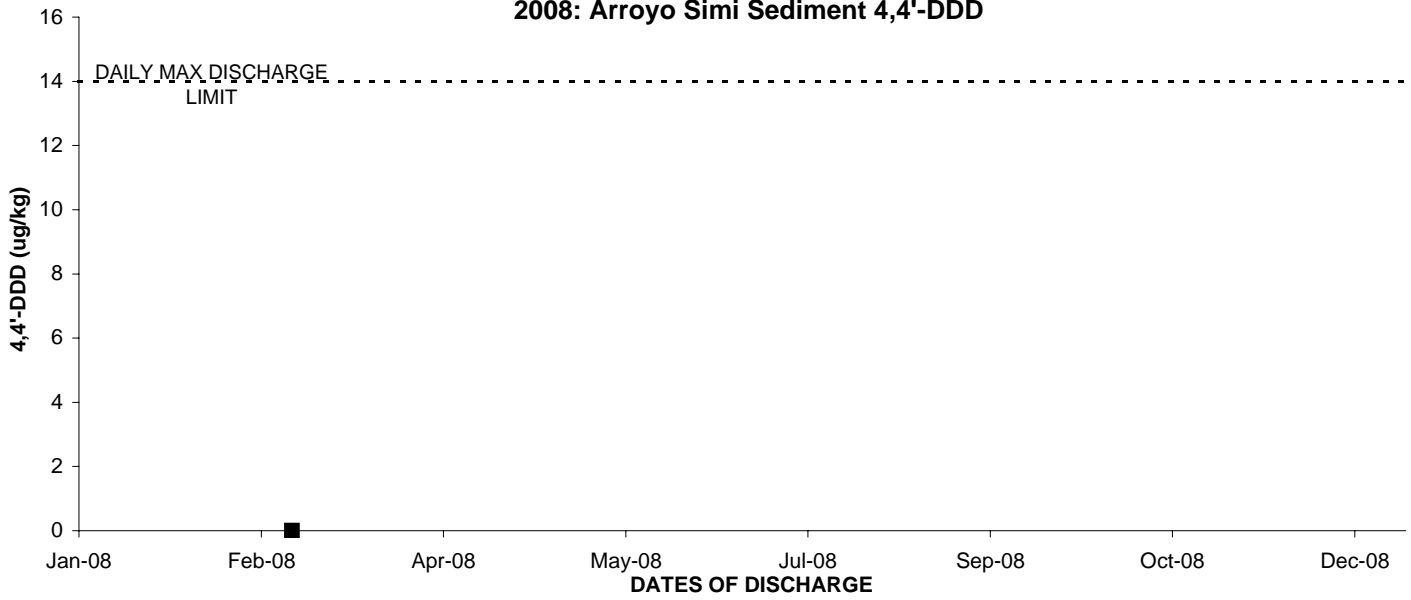
**ARROYO SIMI (Frontier Park)
SEDIMENT SAMPLES**

**ANNUAL 2008 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1 through December 31, 2008

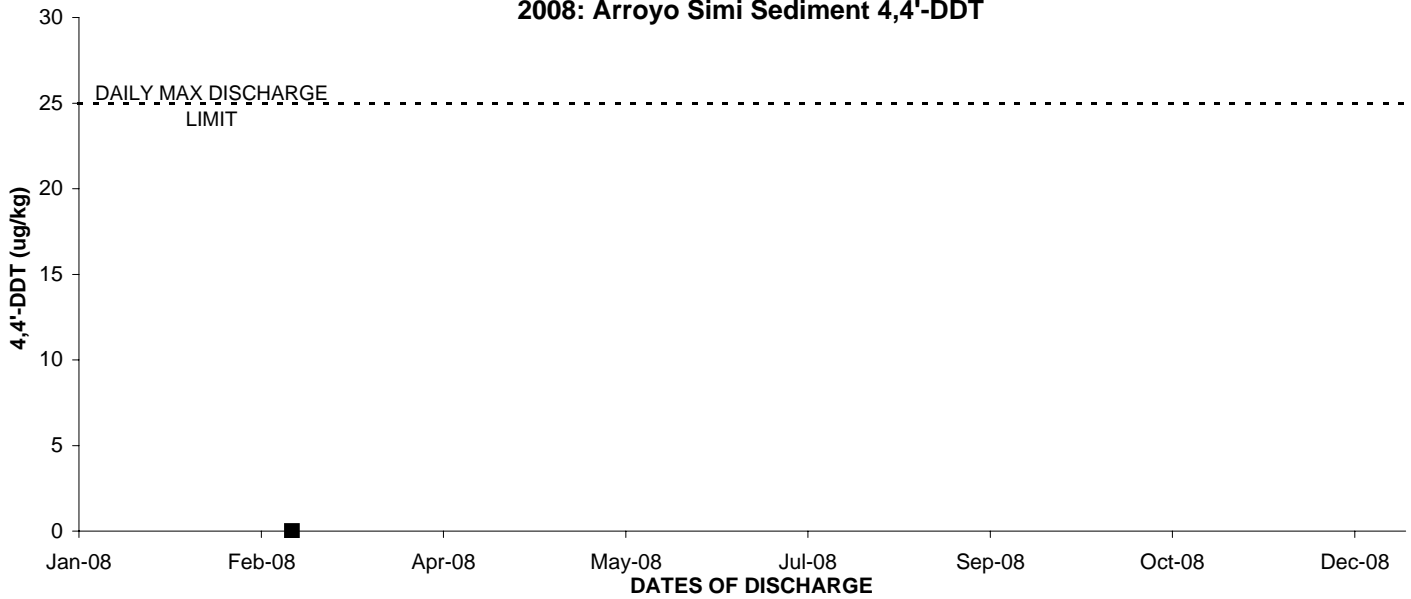
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	2/28/2008	
			RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/kg	-/-	ND < 1.30	U
Total Organic Carbon	mg/kg	-/-	ND < 2200	UJ (Q)
ADDITIONAL ANALYTES				
4,4'-DDD	ug/kg	14/-	ND < 3.8	U
4,4'-DDE	ug/kg	170/-	ND < 3.8	U
4,4'-DDT	ug/kg	25/-	ND < 8.9	U
Aldrin	ug/kg	-/-	ND < 3.8	U
alpha-BHC	ug/kg	-/-	ND < 3.8	U
Aroclor-1016	ug/kg	25700/-	ND < 46	U
Aroclor-1221	ug/kg	25700/-	ND < 38	U
Aroclor-1232	ug/kg	25700/-	ND < 38	U
Aroclor-1242	ug/kg	25700/-	ND < 38	U
Aroclor-1248	ug/kg	25700/-	ND < 38	U
Aroclor-1254	ug/kg	25700/-	ND < 25	U
Aroclor-1260	ug/kg	25700/-	ND < 25	U
beta-BHC	ug/kg	-/-	ND < 7.6	U
Chlordane	ug/kg	3.3/-	ND < 25	U
delta-BHC	ug/kg	-/-	ND < 3.8	U
Dieldrin	ug/kg	1.1/-	ND < 3.8	U
Endosulfan I	ug/kg	-/-	ND < 3.8	U
Endosulfan II	ug/kg	-/-	ND < 6.4	U
Endosulfan sulfate	ug/kg	-/-	ND < 5.1	U
Endrin	ug/kg	-/-	ND < 6.4	U
Endrin aldehyde	ug/kg	-/-	ND < 3.8	U
Endrin ketone	ug/kg	-/-	ND < 5.1	U
Heptachlor	ug/kg	-/-	ND < 5.1	U
Heptachlor epoxide	ug/kg	-/-	ND < 5.1	U
Lindane (gamma-BHC)	ug/kg	-/-	ND < 3.8	U
Methoxychlor	ug/kg	-/-	ND < 7.6	U
Toxaphene	ug/kg	230/-	ND < 190	U

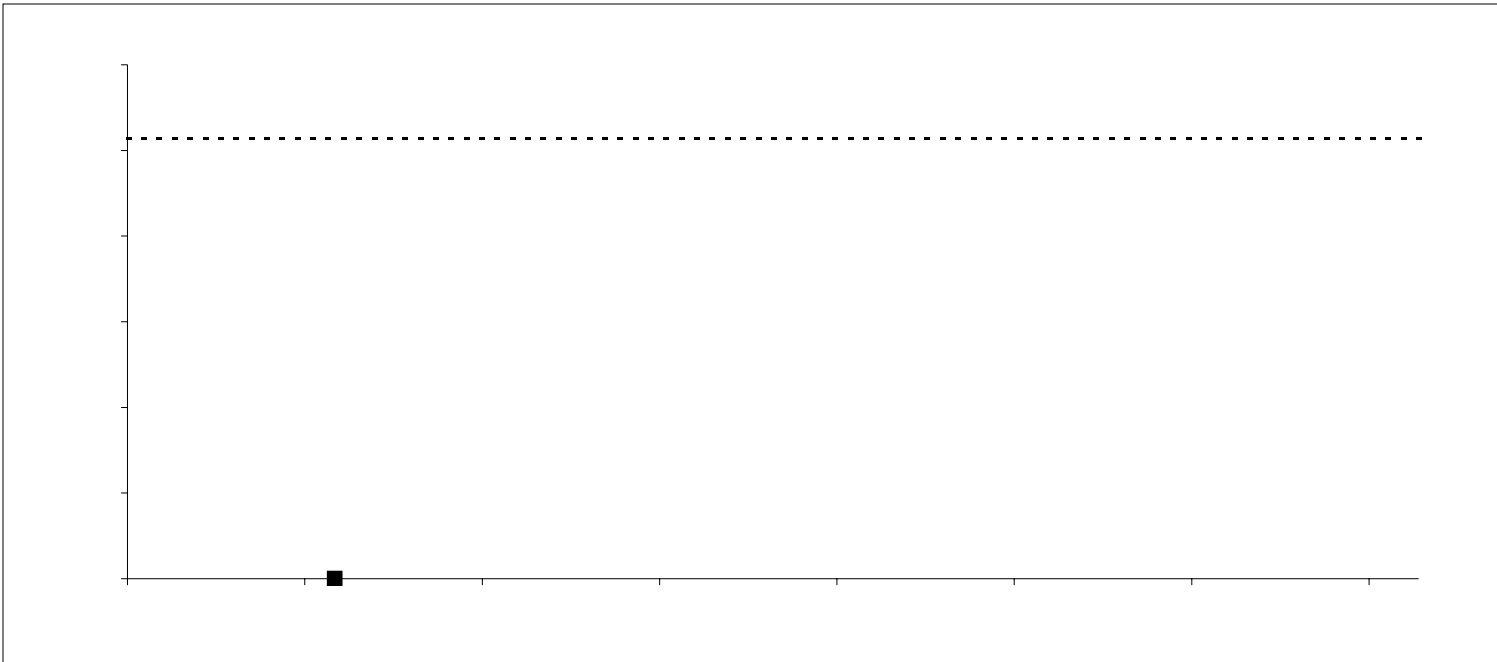
2008: Arroyo Simi Sediment 4,4'-DDD

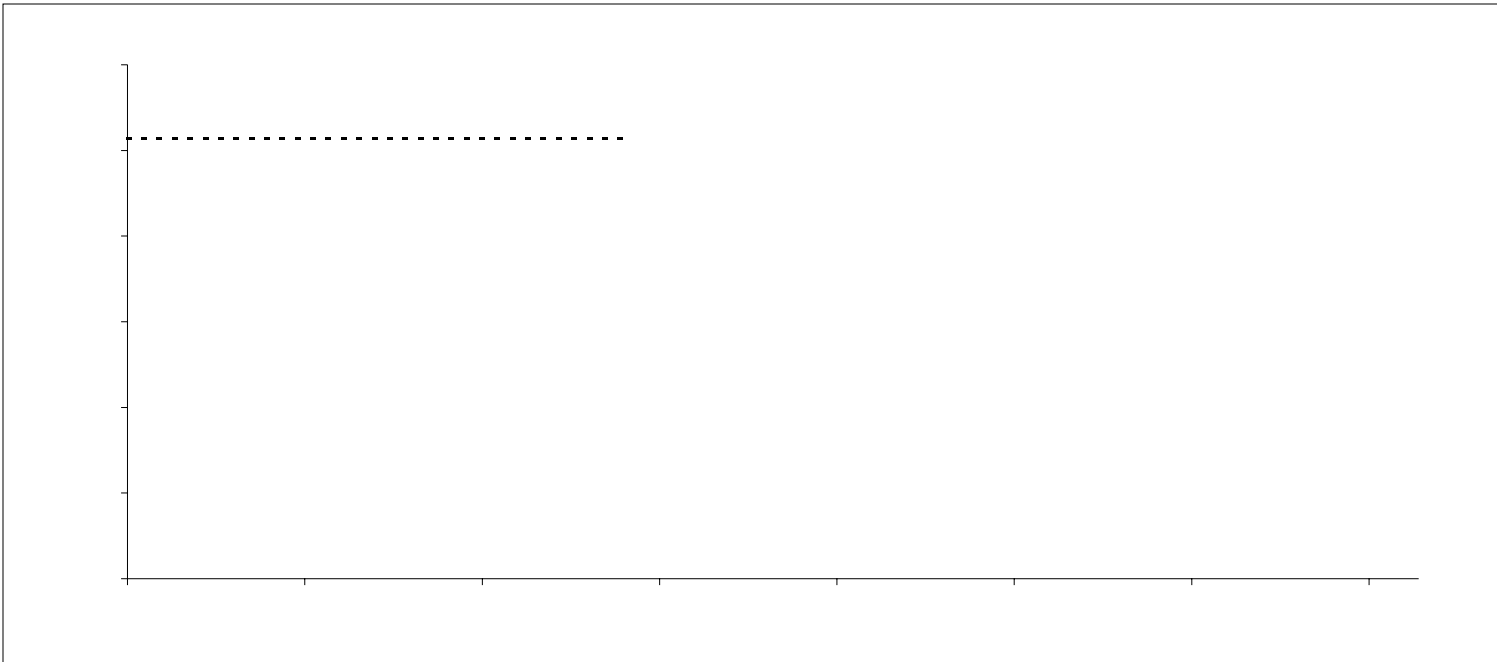


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2008: Arroyo Simi Sediment 4,4'-DDT







2008: Arroyo Simi Sediment TOXAPHENE

