# FOURTH QUARTER 2008 REASONABLE POTENTIAL ANALYSIS SUMMARY
## THE BOEING COMPANY
## SANTA SUSANA FIELD LABORATORY
## NPDES PERMIT CA0001309

1.  The following Reasonable Potential Analysis (RPA) provides the analytical results as performed by the procedures outlined in "Reasonable Potential Analysis Methodology Technical Memo, (MWH and Flow Science, 2006).

2.  The monitoring data set utilized to conduct the RPA consists of all applicable and relevant data from August 2004 through the present reporting quarter.

3.  As directed by the CTR and the Regional Water Control Board 2,3,7,8-TCDD (Dioxin) values are to be expressed in NPDES permitting and this RPA as TCDD Total Equivalence units (TEQs). A TCDD TEQ is determined by multiplying each of the seventeen dioxin and furan congeners by their respective total equivalence factor (TEF), and summing the results of those products. For the purposes of this RPA, the resulting TCDD TEQ does not include those congener concentrations that are reported as DNQ, as specified on Page 46, Section D of the NPDES Permit Effective April 28, 2006, and Page 56, Section D of the NPDES Permit Effective December 20, 2007.

4.  In calculating the average, standard deviation, coefficient of variation, and projected maximum effluent concentration (99/99), one-half of the MDL was used for concentration results reported as ND. Data reported with qualifiers were not included in this RPA as Boeing believes qualified data are not "appropriate, valid, relevant, (nor) representative"[1] of storm water constituents and are therefore not utilized in its RPA.

5.  All of the following abbreviations and/or notes may not occur on every table.

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Definition of Acronyms, Abbreviations, and Terminology Used

| | |
|---|---|
| >= | Greater than or equal to |
| * | Freshwater aquatic life criteria for metals are expressed as a function of total hardness (mg/L) in the water body. The equations are provided in the CTR, (US EPA, 2000). Values displayed correspond to a total hardness of 100 mg/l. |
| µg/L | Concentration units, micrograms per liter |
| All Data Qualified | All available monitoring data are qualified and no statistical analysis is performed. |
| Annually | The 2007 NPDES Permit requires annual monitoring. |
| Available Data < DL | All available monitoring data that are not qualified are below detection limits. |
| B | Background |
| C | Concentration |
| CCC | Criterion Continuous Concentration |
| CMC | Criterion Maximum Concentration |
| CTR | California Toxics Rule |
| CV | Coefficient of Variation |
| DL | Detection Limit |
| EPA TSD | EPA's Technical Support Document for Water Quality Based Toxics Control, (see references). |

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[1] SIP, p. 5.

Definition of Acronyms, Abbreviations, and Terminology Used (Continued)

| | |
|---|---|
| Fibers/L | Units for asbestos concentration, fibers per liter |
| HH O | Human Health criteria for consumption of Organisms only |
| HH W&O | Human Health criteria for consumption of Water and Organisms |
| MEC | Maximum Observed Effluent Concentration |
| Min | Minimum |
| NA | Not Applicable |
| Narrative | Water quality criteria are expressed as a narrative objective rather than a numeric objective, and therefore are not part of the statistical RPA calculations. |
| None | No available CTR or Basin Plan criteria. |
| pH Dependent | CTR Criteria are based on pH. |
| Once Per Discharge | The 2007 NPDES Permit requires monitoring once per discharge event. |
| Qualified Data | Data qualifier definitions are: (a)  J- The reported result is an estimate. The value is less than the minimum calibration level but greater than the estimated detection limit (EDL),  (b)  U/UJ- The analyte was not detected in the sample at the detection limit /estimated detection limit (EDL),  (c) B- Analyte found in sample and associated blank, and (d)  DNQ- Detected Not Quantified. |
| Reserved | EPA has reserved the CTR criteria. |
| RPA | Reasonable Potential Analysis |
| SIP | The State Water Resources Control Board "Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California," (see references). |
| Tot | Total |

Priority Pollutant RPA Column Explanation

| | |
|---|---|
| CTR | Provides CTR constituent reference number. |
| Constituent | Provides CTR constituent common name. |
| Units | Provides the data set's concentration units as referenced by 2007 NPDES Permit. |
| MEC | Provides the outfall monitoring group's maximum value from the applicable data set. |
| CV | Equal to the standard deviation divided by the average of the applicable data set.  If the number of samples is less than 10, the CV is assumed to be 0.6. |
| *Step 1 identifies all applicable water quality criteria.* | |
| CTR Criteria | Concentration criteria as listed in the CTR. |
| CMC = Acute | The Freshwater CMC is listed as the acute concentration criterion. |
| CCC = Chronic | The Freshwater CCC is listed as the chronic concentration criterion. |
| HH W& O(Not App) | The HH W&O is deemed not applicable based on past Regional Board RPAs. |
| HH O = HH | The HH O is listed as the CTR human health concentration criterion. |
| Basin Plan Criteria | Applicable Basin Plan Criteria are listed for the Los Angeles River and/or Calleguas Creek watersheds. |

| C = Lowest Criteria | The comparison concentration (C) is equal to the lowest criterion for a constituent based on the CMC, CCC, HH O, and Basin Plan Criteria listed. |
|---|---|

Priority Pollutant RPA Column Explanation (Continued)

| *Step 2 defines the applicable data set.* | |
|---|---|
| Is Effluent Data Available | If there is available monitoring data that is not qualified and above DL, then YES. If not, then NO. |
| *Step 3 determines the maximum observed effluent concentration.* | |
| Was Constituent Detected in Effluent Data | If the constituent was detected, then YES. If all monitoring data are non-detect or qualified then NO. |
| Are all DL >C | If constituent was detected in effluent data then not applicable (NA). If constituent was not detected and all analysis detection limits are less than the comparison concentration, then YES, if not then NO. |
| If DL > C MEC = Min (DL) | If the previous cell answer was yes, then the MEC is equal to the minimum detection limit. If not, then NA. |
| *Step 4 compares the MEC to the lowest applicable water quality criteria.* | |
| MEC >= C | If the MEC is greater than or equal to the comparison concentration then YES, if not then NO. |
| Tier 1 – Need limit? | If the preceding cell was YES, then YES. |

Note: Steps 5 and 6 of the Priority Pollutant RPA do not apply to Boeing SSFL because the Regional Board gives no consideration for receiving water background constituent concentrations. Furthermore, Boeing SSFL defers the application of best professional judgment in Step 7 and final determination of reasonable potential in Step 8 to the Regional Board Staff.

Nonpriority Pollutant RPA Column Explanation

| Constituent | Provides the Non Priority Pollutant constituent common name |
|---|---|
| Monitoring | Provides the 2007 NPDES Permit directed monitoring frequency |
| Units | Provides the data set's concentration units as referenced by 2007 NPDES Permit |
| Number of Samples | Provides the number of available samples that are not qualified |
| MEC | Provides the outfall monitoring group's maximum value from the applicable data set |
| CV | Equal to the standard deviation divided by the average of the applicable data set. If the number of samples is less than 10, the CV is assumed to be 0.6. |
| Multiplier | Utilizes the EPA's TSD calculation to determine multiplier for which the maximum effluent concentration is calculated. (MWH and Flow Science, 2006, or EPA TSD, 1991) |
| Projected Maximum Effluent Concentration | Utilizes the product of the multiplier and the MEC as an estimate for the projected maximum effluent concentration. |
| Dilution Ratio | The Regional Board allocates no dilution ratio to Boeing SSFL. |
| Background Concentration | The Regional Board allocates no background concentration to Boeing SSFL. |
| Projected Maximum Receiving Water Concentration | The Regional Board estimates the projected maximum receiving water concentration as equal to the projected maximum effluent concentration. |

Nonpriority Pollutant RPA Column Explanation (Continued)

| | |
|---|---|
| Step 1, Determine Water Quality Objectives | The water quality objective is based on appropriate Basin Plan criteria. |
| BU – Benneficial Use Protection, NC – Human noncarcinogen, AP- Aquatic Life Protection, TMDL – Total Maximum Daily Load | This is the Regional Board's Basis for determining if reasonable potential should be evaluated for a non-priority pollutant. |

Note: Boeing SSFL has completed appropriate statistical calculations, but defers the application of best professional judgment and the final determination of reasonable potential to the Regional Board Staff.

References

Los Angeles Regional Water Quality Control Board, "Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties, (Basin Plan)." June 13, 1994.

MWH and Flow Science, "Reasonable Potential Analysis Methodology Technical Memo-Version 1, Final, Santa Susan Field Laboratory, Ventura County, California." April 28, 2006.

State Water Resources Control Board, "Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California, (SIP)" Resolution No. 2005-0019, February 24, 2005.

US EPA, *40CFR part 131, Water Quality Standards; Establishment of numeric Criteria for Priority Toxic Pollutants for the State of California*,(CTR) Federal Registry, May 18, 2000, pp. 31682-31719.

US EPA, "Technical Support Document for Water Quality-based Toxics Control." EPA/505/2-90-001, PB-91-127415, March 1991.

**REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 003-007, 010, 008)**

**FOURTH QUARTER 2008**
**THE BOEING COMPANY**
**SANTA SUSANA FIELD LABORATORY**
**NPDES PERMIT CA0001309**

| | | | | | | Step 1: Water Quality Criteria, Determine C | | | | | | Step 2 | Step 3 | | | Step 4 |
| | | | | | | CTR CRITERIA | | | | | | Is Effluent | Was Constituent | Are all | | |
| | | | | | | Freshwater | | Human Health | | Basin Plan | C = Lowest | Data | Detected in | Detection | If DL > C, | |
| Outfall | CTR | Constituent | Units | MEC | CV | CMC = Acute | CCC = Chronic | HH W&O (Not App) | HH O = HH | Title 22 GWR | Criteria | Available | Effluent Data | Limits > C | MEC = Min (DL) | MEC >= C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3_7, 10 | 001 | Antimony | ug/L | 0.67 | 0.60 | NONE | NONE | 14 | 4300 | 6 | 6 | Yes | Yes | NA | NA | No |
| 3_7, 10 | 002 | Arsenic | ug/L | All Data Qualified | 0.60 | 340 | 150 | NONE | NONE | 50 | 50 | No | No | No | NA | No |
| 3_7, 10 | 003 | Beryllium | ug/L | All Data Qualified | 0.60 | NONE | NONE | Narrative | Narrative | 4 | 4 | No | No | No | NA | No |
| 3_7, 10 | 004 | Cadmium | ug/L | 0.64 | 0.60 | NONE | 2.5 | Narrative | Narrative | 5 | 2.5 | Yes | Yes | NA | NA | No |
| 3_7, 10 | 005a | Chromium | ug/L | All Data Qualified | 0.60 | NONE | 207.0 | Narrative | Narrative | NONE | 207.0 | No | No | No | NA | No |
| 3_7, 10 | 005b | Chromium VI | ug/L | All Data Qualified | 0.60 | 16.3 | 11.4 | Narrative | Narrative | 50 | 11.4 | No | No | No | NA | No |
| 3_7, 10 | 006 | Copper | ug/L | 12 | 0.60 | NONE | 9.3 | 1300 | NONE | NONE | 9.3 | Yes | Yes | NA | NA | Yes |
| 3_7, 10 | 007 | Lead | ug/L | 19 | 0.60 | NONE | 3.2 | Narrative | Narrative | NONE | 3.2 | Yes | Yes | NA | NA | Yes |
| 3_7, 10 | 008 | Mercury | ug/L | All Data Qualified | 0.60 | Reserved | Reserved | 0.05 | 0.051 | 2 | 0.1 | No | No | No | NA | No |
| 3_7, 10 | 009 | Nickel | ug/L | All Data Qualified | 0.60 | NONE | 52.2 | 610 | 4600 | 100 | 52.2 | No | No | No | NA | No |
| 3_7, 10 | 010 | Selenium | ug/L | All Data Qualified | 0.60 | Reserved | 5 | Narrative | Narrative | 50 | 5 | No | No | No | NA | No |
| 3_7, 10 | 011 | Silver | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | 4.06 | No | No | No | NA | No |
| 3_7, 10 | 012 | Thallium | ug/L | Available Data <DL | 0.60 | NONE | NONE | 1.7 | 6.3 | 2 | 2 | Yes | No | No | NA | No |
| 3_7, 10 | 013 | Zinc | ug/L | All Data Qualified | 0.60 | NONE | 119.8 | none | NONE | NONE | 119.8 | No | No | No | NA | No |
| 3_7, 10 | 014 | Total Cyanide | ug/L | All Data Qualified | 0.60 | 22 | 5.2 | 700 | 220000 | 200 | 5.2 | No | No | No | NA | No |
| 3_7, 10 | 015 | Asbestos | Fibers/L | All Data Qualified | 0.60 | NONE | NONE | 7000000 | NONE | 7x10^6 | 700000 | No | No | No | NA | No |
| 3_7, 10 | 016 | TCDD TEQ_NoDNQ | ug/L | 1.83E-06 | 0.60 | NONE | NONE | 1.3e-008 | 1.4e-008 | 3x10^-5 | 1.40E-08 | Yes | Yes | NA | NA | Yes |
| 3_7, 10 | 017 | Acrolein | ug/L | All Data Qualified | 0.60 | NONE | NONE | 320 | 780 | NONE | 780 | No | No | No | NA | No |
| 3_7, 10 | 018 | Acrylonitrile | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.059 | 0.66 | NONE | 0.66 | No | No | No | NA | No |
| 3_7, 10 | 019 | Benzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1.2 | 71 | 1 | 1 | No | No | No | NA | No |
| 3_7, 10 | 020 | Bromoform | ug/L | All Data Qualified | 0.60 | NONE | NONE | 4.3 | 360 | NONE | 360 | No | No | No | NA | No |
| 3_7, 10 | 021 | Carbon Tetrachloride | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.25 | 4.4 | 600 | 4.4 | No | No | No | NA | No |

**Table F1**
**REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 003-007, 010, 008)**

**FOURTH QUARTER 2008**
**THE BOEING COMPANY**
**SANTA SUSANA FIELD LABORATORY**
**NPDES PERMIT CA0001309**

| | | | | | | Step 1: Water Quality Criteria, Determine C | | | | | | Step 2 | Step 3 | | | Step 4 |
| | | | | | | CTR CRITERIA | | | | | | Is Effluent | Was Constituent | Are all | | |
| | | | | | | Freshwater | | Human Health | | Basin Plan | C = Lowest | Data | Detected in | Detection | If DL > C, | |
| Outfall | CTR | Constituent | Units | MEC | CV | CMC = Acute | CCC = Chronic | HH W&O (Not App) | HH O = HH | Title 22 GWR | Criteria | Available | Effluent Data | Limits > C | MEC = Min (DL) | MEC >= C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3_7, 10 | 022 | Chlorobenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 680 | 21000 | NONE | 21000 | No | No | No | NA | No |
| 3_7, 10 | 023 | Dibromochloromethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.401 | 34 | NONE | 34 | No | No | No | NA | No |
| 3_7, 10 | 024 | Chloroethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 3_7, 10 | 025 | 2-Chloroethylvinylether | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 3_7, 10 | 026 | Chloroform | ug/L | All Data Qualified | 0.60 | NONE | NONE | Reserved | Reserved | NONE | NONE | No | No | No | NA | No |
| 3_7, 10 | 027 | Bromodichloromethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.56 | 46 | NONE | 46 | No | No | No | NA | No |
| 3_7, 10 | 028 | 1,1-Dichloroethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | 5 | 5 | No | No | No | NA | No |
| 3_7, 10 | 029 | 1,2-Dichloroethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.38 | 99 | 0.5 | 0.5 | No | No | No | NA | No |
| 3_7, 10 | 030 | 1,1-Dichloroethene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.057 | 3.2 | 6 | 3.2 | No | No | No | NA | No |
| 3_7, 10 | 031 | 1,2-Dichloropropane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.52 | 39 | 5 | 5 | No | No | No | NA | No |
| 3_7, 10 | 032 | 1,3-Dichloropropene (Total) | ug/L | All Data Qualified | 0.60 | NONE | NONE | 10 | 1700 | 0.5 | 0.5 | No | No | No | NA | No |
| 3_7, 10 | 033 | Ethylbenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 3100 | 29000 | 0.7 | 0.7 | No | No | No | NA | No |
| 3_7, 10 | 034 | Bromomethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 48 | 4000 | NONE | 4000 | No | No | No | NA | No |
| 3_7, 10 | 035 | Chloromethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | Narrative | Narrative | NONE | NONE | No | No | No | NA | No |
| 3_7, 10 | 036 | Methylene chloride | ug/L | All Data Qualified | 0.60 | NONE | NONE | 4.7 | 1600 | NONE | 1600 | No | No | No | NA | No |
| 3_7, 10 | 037 | 1,1,2,2-Tetrachloroethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.17 | 11 | 1 | 1 | No | No | No | NA | No |
| 3_7, 10 | 038 | Tetrachloroethene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.8 | 8.85 | 5 | 5 | No | No | No | NA | No |
| 3_7, 10 | 039 | Toluene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 6800 | 200000 | 150 | 150 | No | No | No | NA | No |
| 3_7, 10 | 040 | trans-1,2-Dichloroethene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 700 | 140000 | 10 | 10 | No | No | No | NA | No |
| 3_7, 10 | 041 | 1,1,1-Trichloroethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | Narrative | Narrative | 200 | 200 | No | No | No | NA | No |
| 3_7, 10 | 042 | 1,1,2-trichloroethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.6 | 42 | 5 | 5 | No | No | No | NA | No |
| 3_7, 10 | 043 | Trichloroethene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 2.7 | 81 | 5 | 5 | No | No | No | NA | No |

Table F1
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 003-007, 010, 008)

FOURTH QUARTER 2008
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

| | | | | | | Step 1: Water Quality Criteria, Determine C | | | | | | Step 2 | Step 3 | | | Step 4 |
| | | | | | | CTR CRITERIA | | | | | | Is Effluent | Was Constituent | Are all | | |
| | | | | | | Freshwater | | Human Health | | Basin Plan | C = Lowest | Data | Detected in | Detection | If DL > C, | |
| Outfall | CTR | Constituent | Units | MEC | CV | CMC = Acute | CCC = Chronic | HH W&O (Not App) | HH O = HH | Title 22 GWR | Criteria | Available | Effluent Data | Limits > C | MEC = Min (DL) | MEC >= C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3_7, 10 | 044 | Vinyl chloride | ug/L | All Data Qualified | 0.60 | NONE | NONE | 2 | 525 | 0.5 | 0.5 | No | No | No | NA | No |
| 3_7, 10 | 045 | 2-chlorophenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | 120 | 400 | NONE | 400 | No | No | No | NA | No |
| 3_7, 10 | 046 | 2,4-Dichlorophenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | 93 | 790 | NONE | 790 | No | No | No | NA | No |
| 3_7, 10 | 047 | 2,4-dimethylphenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | 540 | 2300 | NONE | 2300 | No | No | No | NA | No |
| 3_7, 10 | 048 | 2-Methyl-4,6-dinitrophenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | 13.4 | 765 | NONE | 765 | No | No | No | NA | No |
| 3_7, 10 | 049 | 2,4-dinitrophenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | 70 | 14000 | NONE | 14000 | No | No | No | NA | No |
| 3_7, 10 | 050 | 2-nitrophenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 3_7, 10 | 051 | 4-nitrophenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 3_7, 10 | 052 | 4-Chloro-3-methylphenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 3_7, 10 | 053 | Pentachlorophenol | ug/L | All Data Qualified | 0.60 | pH dependent | pH dependent | 0.28 | 8.2 | 1 | 1 | No | No | No | NA | No |
| 3_7, 10 | 054 | Phenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | 21000 | 4600000 | NONE | 4600000 | No | No | No | NA | No |
| 3_7, 10 | 055 | 2,4,6-Trichlorophenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | 2.1 | 6.5 | NONE | 6.5 | No | No | No | NA | No |
| 3_7, 10 | 056 | Acenaphthene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1200 | 2700 | NONE | 2700 | No | No | No | NA | No |
| 3_7, 10 | 057 | Acenaphthylene | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 3_7, 10 | 058 | Anthracene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 9600 | 110000 | NONE | 110000 | No | No | No | NA | No |
| 3_7, 10 | 059 | Benzidine | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.00012 | 0.00054 | NONE | 0.00054 | No | No | No | NA | No |
| 3_7, 10 | 060 | Benzo(a)Anthracene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0044 | 0.049 | NONE | 0.049 | No | No | No | NA | No |
| 3_7, 10 | 061 | Benzo(a)Pyrene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0044 | 0.049 | NONE | 0.049 | No | No | No | NA | No |
| 3_7, 10 | 062 | Benzo(b)Fluoranthene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0044 | 0.049 | NONE | 0.049 | No | No | No | NA | No |
| 3_7, 10 | 063 | Benzo(g,h,i)Perylene | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 3_7, 10 | 064 | Benzo(k)Fluoranthene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0044 | 0.049 | NONE | 0.049 | No | No | No | NA | No |
| 3_7, 10 | 065 | Bis(2-Chloroethoxy) methane | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |

**Table F1**
**REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 003-007, 010, 008)**

**FOURTH QUARTER 2008**
**THE BOEING COMPANY**
**SANTA SUSANA FIELD LABORATORY**
**NPDES PERMIT CA0001309**

| Outfall | CTR | Constituent | Units | MEC | CV | Step 1: Water Quality Criteria, Determine C | | | | | | Step 2: Is Effluent Data Available | Step 3: Was Constituent Detected in Effluent Data | Are all Detection Limits > C | If DL > C, MEC = Min (DL) | Step 4: MEC >= C |
| | | | | | | CTR CRITERIA | | | | Basin Plan | C = Lowest Criteria | | | | | |
| | | | | | | Freshwater | | Human Health | | | | | | | | |
| | | | | | | CMC = Acute | CCC = Chronic | HH W&O (Not App) | HH O = HH | Title 22 GWR | | | | | | |
| 3_7, 10 | 066 | bis (2-Chloroethyl) ether | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.031 | 1.4 | NONE | 1.4 | No | No | No | NA | No |
| 3_7, 10 | 067 | Bis(2-Chloroisopropyl) Ether | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1400 | 170000 | NONE | 170000 | No | No | No | NA | No |
| 3_7, 10 | 068 | bis (2-ethylhexyl) Phthalate | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1.8 | 5.9 | 4 | 4 | No | No | No | NA | No |
| 3_7, 10 | 069 | 4-Bromophenylphenylether | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 3_7, 10 | 070 | Butylbenzylphthalate | ug/L | All Data Qualified | 0.60 | NONE | NONE | 3000 | 5200 | NONE | 5200 | No | No | No | NA | No |
| 3_7, 10 | 071 | 2-Chloronaphthalene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1700 | 4300 | NONE | 4300 | No | No | No | NA | No |
| 3_7, 10 | 072 | 4-Chlorophenylphenylether | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 3_7, 10 | 073 | Chrysene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0044 | 0.049 | NONE | 0.049 | No | No | No | NA | No |
| 3_7, 10 | 074 | Dibenzo(a,h)Anthracene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0044 | 0.049 | NONE | 0.049 | No | No | No | NA | No |
| 3_7, 10 | 075 | 1,2-Dichlorobenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 2700 | 17000 | 600 | 600 | No | No | No | NA | No |
| 3_7, 10 | 076 | 1,3-Dichlorobenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 400 | 2600 | NONE | 2600 | No | No | No | NA | No |
| 3_7, 10 | 077 | 1,4-Dichlorobenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 400 | 2600 | 5 | 5 | No | No | No | NA | No |
| 3_7, 10 | 078 | 3,3'-Dichlorobenzidine | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.04 | 0.077 | NONE | 0.077 | No | No | No | NA | No |
| 3_7, 10 | 079 | Diethylphthalate | ug/L | All Data Qualified | 0.60 | NONE | NONE | 23000 | 120000 | NONE | 120000 | No | No | No | NA | No |
| 3_7, 10 | 080 | Dimethylphthalate | ug/L | All Data Qualified | 0.60 | NONE | NONE | 313000 | 2900000 | NONE | 2900000 | No | No | No | NA | No |
| 3_7, 10 | 081 | Di-n-butylphthalate | ug/L | All Data Qualified | 0.60 | NONE | NONE | 2700 | 12000 | NONE | 12000 | No | No | No | NA | No |
| 3_7, 10 | 082 | 2,4-Dinitrotoluene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.11 | 9.1 | NONE | 9.1 | No | No | No | NA | No |
| 3_7, 10 | 083 | 2,6-Dinitrotoluene | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 3_7, 10 | 084 | Di-n-octylphthalate | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 3_7, 10 | 085 | 1,2-Diphenylhydrazine | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.04 | 0.54 | NONE | 0.54 | No | No | No | NA | No |
| 3_7, 10 | 086 | Fluoranthene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 300 | 370 | NONE | 370 | No | No | No | NA | No |
| 3_7, 10 | 087 | Fluorene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1300 | 14000 | NONE | 14000 | No | No | No | NA | No |

## Table F1
## REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 003-007, 010, 008)

### FOURTH QUARTER 2008
### THE BOEING COMPANY
### SANTA SUSANA FIELD LABORATORY
### NPDES PERMIT CA0001309

| | | | | | | Step 1: Water Quality Criteria, Determine C | | | | | | Step 2 | Step 3 | | | Step 4 |
| | | | | | | CTR CRITERIA | | | | | | Is Effluent | Was Constituent | Are all | | |
| | | | | | | Freshwater | | Human Health | | Basin Plan | C = Lowest | Data | Detected in | Detection | If DL > C, | |
| Outfall | CTR | Constituent | Units | MEC | CV | CMC = Acute | CCC = Chronic | HH W&O (Not App) | HH O = HH | Title 22 GWR | Criteria | Available | Effluent Data | Limits > C | MEC = Min (DL) | MEC >= C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3_7, 10 | 088 | Hexachlorobenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.00075 | 0.00077 | NONE | 0.00077 | No | No | No | NA | No |
| 3_7, 10 | 089 | Hexachlorobutadiene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.44 | 50 | NONE | 50 | No | No | No | NA | No |
| 3_7, 10 | 090 | Hexachlorocyclopentadiene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 240 | 17000 | NONE | 17000 | No | No | No | NA | No |
| 3_7, 10 | 091 | Hexachloroethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1.9 | 8.9 | NONE | 8.9 | No | No | No | NA | No |
| 3_7, 10 | 092 | Indeno(1,2,3-cd)Pyrene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0044 | 0.049 | NONE | 0.049 | No | No | No | NA | No |
| 3_7, 10 | 093 | Isophorone | ug/L | All Data Qualified | 0.60 | NONE | NONE | 8.4 | 600 | NONE | 600 | No | No | No | NA | No |
| 3_7, 10 | 094 | Naphthalene | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 3_7, 10 | 095 | Nitrobenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 17 | 1900 | NONE | 1900 | No | No | No | NA | No |
| 3_7, 10 | 096 | N-Nitrosodimethylamine | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.00069 | 8.1 | NONE | 8.1 | No | No | No | NA | No |
| 3_7, 10 | 097 | n-Nitroso-di-n-propylamine | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.005 | 1.4 | NONE | 1.4 | No | No | No | NA | No |
| 3_7, 10 | 098 | N-Nitrosodiphenylamine | ug/L | All Data Qualified | 0.60 | NONE | NONE | 5 | 16 | NONE | 16 | No | No | No | NA | No |
| 3_7, 10 | 099 | Phenanthrene | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 3_7, 10 | 100 | Pyrene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 960 | 11000 | NONE | 11000 | No | No | No | NA | No |
| 3_7, 10 | 101 | 1,2,4-Trichlorobenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 3_7, 10 | 102 | Aldrin | ug/L | All Data Qualified | 0.60 | 3 | NONE | 0.00013 | 0.00014 | NONE | 0.00014 | No | No | No | NA | No |
| 3_7, 10 | 103 | alpha-BHC | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0039 | 0.013 | NONE | 0.013 | No | No | No | NA | No |
| 3_7, 10 | 104 | beta-BHC | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.014 | 0.046 | NONE | 0.046 | No | No | No | NA | No |
| 3_7, 10 | 105 | Lindane (gamma-BHC) | ug/L | All Data Qualified | 0.60 | 0.95 | NONE | 0.019 | 0.063 | 0.2 | 0.063 | No | No | No | NA | No |
| 3_7, 10 | 106 | delta-BHC | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 3_7, 10 | 107 | Chlordane | ug/L | All Data Qualified | 0.60 | 2.4 | 0.0043 | 0.00057 | 0.00059 | NONE | 0.00059 | No | No | No | NA | No |
| 3_7, 10 | 108 | 4,4'-DDT | ug/L | All Data Qualified | 0.60 | 1.1 | 0.001 | 0.00059 | 0.00059 | NONE | 0.00059 | No | No | No | NA | No |
| 3_7, 10 | 109 | 4,4'-DDE | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.00059 | 0.00059 | NONE | 0.00059 | No | No | No | NA | No |

**Table F1**
**REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 003-007, 010, 008)**

**FOURTH QUARTER 2008**
**THE BOEING COMPANY**
**SANTA SUSANA FIELD LABORATORY**
**NPDES PERMIT CA0001309**

| Outfall | CTR | Constituent | Units | MEC | CV | Step 1: Water Quality Criteria, Determine C | | | | | C = Lowest Criteria | Step 2 Is Effluent Data Available | Step 3 Was Constituent Detected in Effluent Data | Are all Detection Limits > C | If DL > C, MEC = Min (DL) | Step 4 MEC >= C |
| | | | | | | CMC = Acute | CCC = Chronic | HH W&O (Not App) | HH O = HH | Basin Plan Title 22 GWR | | | | | | |
| | | | | | | Freshwater | | Human Health | | | | | | | | |
| 3_7, 10 | 110 | 4,4'-DDD | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.00083 | 0.00084 | NONE | 0.00084 | No | No | No | NA | No |
| 3_7, 10 | 111 | Dieldrin | ug/L | All Data Qualified | 0.60 | 0.24 | 0.056 | 0.00014 | 0.00014 | NONE | 0.00014 | No | No | No | NA | No |
| 3_7, 10 | 112 | Endosulfan I | ug/L | All Data Qualified | 0.60 | 0.22 | 0.056 | 110 | 240 | NONE | 0.056 | No | No | No | NA | No |
| 3_7, 10 | 113 | Endosulfan II | ug/L | All Data Qualified | 0.60 | 0.22 | 0.056 | 110 | 240 | NONE | 0.056 | No | No | No | NA | No |
| 3_7, 10 | 114 | Endosulfan Sulfate | ug/L | All Data Qualified | 0.60 | NONE | NONE | 110 | 240 | NONE | 240 | No | No | No | NA | No |
| 3_7, 10 | 115 | Endrin | ug/L | All Data Qualified | 0.60 | 0.086 | 0.036 | 0.76 | 0.81 | NONE | 0.036 | No | No | No | NA | No |
| 3_7, 10 | 116 | Endrin Aldehyde | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.76 | 0.81 | NONE | 0.81 | No | No | No | NA | No |
| 3_7, 10 | 117 | Heptachlor | ug/L | All Data Qualified | 0.60 | 0.52 | 0.0038 | 0.00021 | 0.00021 | NONE | 0.00021 | No | No | No | NA | No |
| 3_7, 10 | 118 | Heptachlor Epoxide | ug/L | All Data Qualified | 0.60 | 0.52 | 0.0038 | 0.0001 | 0.00011 | NONE | 0.00011 | No | No | No | NA | No |
| 3_7, 10 | 119 | Aroclor-1016 | ug/L | All Data Qualified | 0.60 | NONE | 0.014 | 0.00017 | 0.00017 | NONE | 0.00017 | No | No | No | NA | No |
| 3_7, 10 | 120 | Aroclor-1221 | ug/L | All Data Qualified | 0.60 | NONE | 0.014 | 0.00017 | 0.00017 | NONE | 0.00017 | No | No | No | NA | No |
| 3_7, 10 | 121 | Aroclor-1232 | ug/L | All Data Qualified | 0.60 | NONE | 0.014 | 0.00017 | 0.00017 | NONE | 0.00017 | No | No | No | NA | No |
| 3_7, 10 | 122 | Aroclor-1242 | ug/L | All Data Qualified | 0.60 | NONE | 0.014 | 0.00017 | 0.00017 | NONE | 0.00017 | No | No | No | NA | No |
| 3_7, 10 | 123 | Aroclor-1248 | ug/L | All Data Qualified | 0.60 | NONE | 0.014 | 0.00017 | 0.00017 | NONE | 0.00017 | No | No | No | NA | No |
| 3_7, 10 | 124 | Aroclor-1254 | ug/L | All Data Qualified | 0.60 | NONE | 0.014 | 0.00017 | 0.00017 | NONE | 0.00017 | No | No | No | NA | No |
| 3_7, 10 | 125 | Aroclor-1260 | ug/L | All Data Qualified | 0.60 | NONE | 0.014 | 0.00017 | 0.00017 | NONE | 0.00017 | No | No | No | NA | No |
| 3_7, 10 | 126 | Toxaphene | ug/L | All Data Qualified | 0.60 | 0.73 | 0.0002 | 0.0073 | 0.00075 | NONE | 0.0002 | No | No | No | NA | No |
| 8 | 001 | Antimony | ug/L | All Data Qualified | 0.60 | NONE | NONE | 14 | 4300 | 6 | 6 | No | No | No | NA | No |
| 8 | 002 | Arsenic | ug/L | All Data Qualified | 0.60 | 340 | 150 | NONE | NONE | 50 | 50 | No | No | No | NA | No |
| 8 | 003 | Beryllium | ug/L | All Data Qualified | 0.60 | NONE | NONE | Narrative | Narrative | 4 | 4 | No | No | No | NA | No |
| 8 | 004 | Cadmium | ug/L | All Data Qualified | 0.60 | NONE | 2.5 | Narrative | Narrative | 5 | 2.5 | No | No | No | NA | No |
| 8 | 005a | Chromium | ug/L | All Data Qualified | 0.60 | NONE | 207.0 | Narrative | Narrative | NONE | 207.0 | No | No | No | NA | No |

**Table F1**
**REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 003-007, 010, 008)**

**FOURTH QUARTER 2008**
**THE BOEING COMPANY**
**SANTA SUSANA FIELD LABORATORY**
**NPDES PERMIT CA0001309**

| | | | | | | Step 1: Water Quality Criteria, Determine C | | | | | | Step 2 | Step 3 | | | | Step 4 |
| | | | | | | CTR CRITERIA | | | | | | Is Effluent | Was Constituent | Are all | | | |
| | | | | | | Freshwater | | Human Health | | Basin Plan | C = Lowest | Data | Detected in | Detection | If DL > C, | | |
| Outfall | CTR | Constituent | Units | MEC | CV | CMC = Acute | CCC = Chronic | HH W&O (Not App) | HH O = HH | Title 22 GWR | Criteria | Available | Effluent Data | Limits > C | MEC = Min (DL) | MEC >= C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 005b | Chromium VI | ug/L | All Data Qualified | 0.60 | 16.3 | 11.4 | Narrative | Narrative | 50 | 11.4 | No | No | No | NA | No |
| 8 | 006 | Copper | ug/L | All Data Qualified | 0.60 | NONE | 9.3 | 1300 | NONE | NONE | 9.3 | No | No | No | NA | No |
| 8 | 007 | Lead | ug/L | All Data Qualified | 0.60 | NONE | 3.2 | Narrative | Narrative | NONE | 3.2 | No | No | No | NA | No |
| 8 | 008 | Mercury | ug/L | All Data Qualified | 0.60 | Reserved | Reserved | 0.05 | 0.051 | 2 | 0.1 | No | No | No | NA | No |
| 8 | 009 | Nickel | ug/L | All Data Qualified | 0.60 | NONE | 52.2 | 610 | 4600 | 100 | 52.2 | No | No | No | NA | No |
| 8 | 010 | Selenium | ug/L | All Data Qualified | 0.60 | Reserved | 5 | Narrative | Narrative | 50 | 5 | No | No | No | NA | No |
| 8 | 011 | Silver | ug/L | All Data Qualified | 0.60 | NONE | none | NONE | NONE | NONE | 4.06 | No | No | No | NA | No |
| 8 | 012 | Thallium | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1.7 | 6.3 | 2 | 2 | No | No | No | NA | No |
| 8 | 013 | Zinc | ug/L | All Data Qualified | 0.60 | NONE | 119.8 | none | NONE | NONE | 119.8 | No | No | No | NA | No |
| 8 | 014 | Total Cyanide | ug/L | All Data Qualified | 0.60 | 22 | 5.2 | 700 | 220000 | 200 | 5.2 | No | No | No | NA | No |
| 8 | 015 | Asbestos | Fibers/L | All Data Qualified | 0.60 | NONE | NONE | 7000000 | NONE | 7x10^6 | 700000 | No | No | No | NA | No |
| 8 | 016 | TCDD TEQ_NoDNQ | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1.3e-008 | 1.4e-008 | 3x10^-5 | 1.40E-08 | No | No | No | NA | No |
| 8 | 017 | Acrolein | ug/L | All Data Qualified | 0.60 | NONE | NONE | 320 | 780 | NONE | 780 | No | No | No | NA | No |
| 8 | 018 | Acrylonitrile | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.059 | 0.66 | NONE | 0.66 | No | No | No | NA | No |
| 8 | 019 | Benzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1.2 | 71 | 1 | 1 | No | No | No | NA | No |
| 8 | 020 | Bromoform | ug/L | All Data Qualified | 0.60 | NONE | NONE | 4.3 | 360 | NONE | 360 | No | No | No | NA | No |
| 8 | 021 | Carbon Tetrachloride | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.25 | 4.4 | 600 | 4.4 | No | No | No | NA | No |
| 8 | 022 | Chlorobenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 680 | 21000 | NONE | 21000 | No | No | No | NA | No |
| 8 | 023 | Dibromochloromethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.401 | 34 | NONE | 34 | No | No | No | NA | No |
| 8 | 024 | Chloroethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 8 | 025 | 2-Chloroethylvinylether | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 8 | 026 | Chloroform | ug/L | All Data Qualified | 0.60 | NONE | NONE | Reserved | Reserved | NONE | NONE | No | No | No | NA | No |

**Table F1**
**REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 003-007, 010, 008)**

**FOURTH QUARTER 2008**
**THE BOEING COMPANY**
**SANTA SUSANA FIELD LABORATORY**
**NPDES PERMIT CA0001309**

| Outfall | CTR | Constituent | Units | MEC | CV | Step 1: Water Quality Criteria, Determine C | | | | | C = Lowest Criteria | Step 2 Is Effluent Data Available | Step 3 Was Constituent Detected in Effluent Data | Are all Detection Limits > C | If DL > C, MEC = Min (DL) | Step 4 MEC >= C |
| | | | | | | CTR CRITERIA | | | | Basin Plan | | | | | | |
| | | | | | | Freshwater | | Human Health | | | | | | | | |
| | | | | | | CMC = Acute | CCC = Chronic | HH W&O (Not App) | HH O = HH | Title 22 GWR | | | | | | |
| 8 | 027 | Bromodichloromethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.56 | 46 | NONE | 46 | No | No | No | NA | No |
| 8 | 028 | 1,1-Dichloroethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | 5 | 5 | No | No | No | NA | No |
| 8 | 029 | 1,2-Dichloroethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.38 | 99 | 0.5 | 0.5 | No | No | No | NA | No |
| 8 | 030 | 1,1-Dichloroethene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.057 | 3.2 | 6 | 3.2 | No | No | No | NA | No |
| 8 | 031 | 1,2-Dichloropropane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.52 | 39 | 5 | 5 | No | No | No | NA | No |
| 8 | 032 | 1,3-Dichloropropene (Total) | ug/L | All Data Qualified | 0.60 | NONE | NONE | 10 | 1700 | 0.5 | 0.5 | No | No | No | NA | No |
| 8 | 033 | Ethylbenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 3100 | 29000 | 0.7 | 0.7 | No | No | No | NA | No |
| 8 | 034 | Bromomethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 48 | 4000 | NONE | 4000 | No | No | No | NA | No |
| 8 | 035 | Chloromethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | Narrative | Narrative | NONE | NONE | No | No | No | NA | No |
| 8 | 036 | Methylene chloride | ug/L | All Data Qualified | 0.60 | NONE | NONE | 4.7 | 1600 | NONE | 1600 | No | No | No | NA | No |
| 8 | 037 | 1,1,2,2-Tetrachloroethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.17 | 11 | 1 | 1 | No | No | No | NA | No |
| 8 | 038 | Tetrachloroethene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.8 | 8.85 | 5 | 5 | No | No | No | NA | No |
| 8 | 039 | Toluene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 6800 | 200000 | 150 | 150 | No | No | No | NA | No |
| 8 | 040 | trans-1,2-Dichloroethene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 700 | 140000 | 10 | 10 | No | No | No | NA | No |
| 8 | 041 | 1,1,1-Trichloroethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | Narrative | Narrative | 200 | 200 | No | No | No | NA | No |
| 8 | 042 | 1,1,2-trichloroethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.6 | 42 | 5 | 5 | No | No | No | NA | No |
| 8 | 043 | Trichloroethene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 2.7 | 81 | 5 | 5 | No | No | No | NA | No |
| 8 | 044 | Vinyl chloride | ug/L | All Data Qualified | 0.60 | NONE | NONE | 2 | 525 | 0.5 | 0.5 | No | No | No | NA | No |
| 8 | 045 | 2-chlorophenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | 120 | 400 | NONE | 400 | No | No | No | NA | No |
| 8 | 046 | 2,4-Dichlorophenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | 93 | 790 | NONE | 790 | No | No | No | NA | No |
| 8 | 047 | 2,4-dimethylphenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | 540 | 2300 | NONE | 2300 | No | No | No | NA | No |
| 8 | 048 | 2-Methyl-4,6-dinitrophenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | 13.4 | 765 | NONE | 765 | No | No | No | NA | No |

**Table F1**
**REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 003-007, 010, 008)**

**FOURTH QUARTER 2008**
**THE BOEING COMPANY**
**SANTA SUSANA FIELD LABORATORY**
**NPDES PERMIT CA0001309**

| | | | | | | Step 1: Water Quality Criteria, Determine C | | | | | Step 2 | Step 3 | | | Step 4 |
| | | | | | | CTR CRITERIA | | | | | Is Effluent | Was Constituent | Are all | | |
| | | | | | | Freshwater | | Human Health | | Basin Plan | C = Lowest | Data | Detected in | Detection | If DL > C, | |
| Outfall | CTR | Constituent | Units | MEC | CV | CMC = Acute | CCC = Chronic | HH W&O (Not App) | HH O = HH | Title 22 GWR | Criteria | Available | Effluent Data | Limits > C | MEC = Min (DL) | MEC >= C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 049 | 2,4-dinitrophenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | 70 | 14000 | NONE | 14000 | No | No | No | NA | No |
| 8 | 050 | 2-nitrophenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 8 | 051 | 4-nitrophenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 8 | 052 | 4-Chloro-3-methylphenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 8 | 053 | Pentachlorophenol | ug/L | All Data Qualified | 0.60 | pH dependent | pH dependent | 0.28 | 8.2 | 1 | 1 | No | No | No | NA | No |
| 8 | 054 | Phenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | 21000 | 4600000 | NONE | 4600000 | No | No | No | NA | No |
| 8 | 055 | 2,4,6-Trichlorophenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | 2.1 | 6.5 | NONE | 6.5 | No | No | No | NA | No |
| 8 | 056 | Acenaphthene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1200 | 2700 | NONE | 2700 | No | No | No | NA | No |
| 8 | 057 | Acenaphthylene | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 8 | 058 | Anthracene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 9600 | 110000 | NONE | 110000 | No | No | No | NA | No |
| 8 | 059 | Benzidine | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.00012 | 0.00054 | NONE | 0.00054 | No | No | No | NA | No |
| 8 | 060 | Benzo(a)Anthracene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0044 | 0.049 | NONE | 0.049 | No | No | No | NA | No |
| 8 | 061 | Benzo(a)Pyrene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0044 | 0.049 | NONE | 0.049 | No | No | No | NA | No |
| 8 | 062 | Benzo(b)Fluoranthene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0044 | 0.049 | NONE | 0.049 | No | No | No | NA | No |
| 8 | 063 | Benzo(g,h,i)Perylene | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 8 | 064 | Benzo(k)Fluoranthene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0044 | 0.049 | NONE | 0.049 | No | No | No | NA | No |
| 8 | 065 | Bis(2-Chloroethoxy) methane | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 8 | 066 | bis (2-Chloroethyl) ether | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.031 | 1.4 | NONE | 1.4 | No | No | No | NA | No |
| 8 | 067 | Bis(2-Chloroisopropyl) Ether | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1400 | 170000 | NONE | 170000 | No | No | No | NA | No |
| 8 | 068 | bis (2-ethylhexyl) Phthalate | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1.8 | 5.9 | 4 | 4 | No | No | No | NA | No |
| 8 | 069 | 4-Bromophenylphenylether | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 8 | 070 | Butylbenzylphthalate | ug/L | All Data Qualified | 0.60 | NONE | NONE | 3000 | 5200 | NONE | 5200 | No | No | No | NA | No |

See attached RPA Summary for abbreviations, definitions and other explanations for the data presented.

**FOURTH QUARTER 2008**
**THE BOEING COMPANY**
**SANTA SUSANA FIELD LABORATORY**
**NPDES PERMIT CA0001309**

| | | | | | | Step 1: Water Quality Criteria, Determine C | | | | | | Step 2 | Step 3 | | | Step 4 |
| | | | | | | CTR CRITERIA | | | | | | Is Effluent | Was Constituent | Are all | | |
| | | | | | | Freshwater | | Human Health | | Basin Plan | C = Lowest | Data | Detected in | Detection | If DL > C, | |
| Outfall | CTR | Constituent | Units | MEC | CV | CMC = Acute | CCC = Chronic | HH W&O (Not App) | HH O = HH | Title 22 GWR | Criteria | Available | Effluent Data | Limits > C | MEC = Min (DL) | MEC >= C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 071 | 2-Chloronaphthalene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1700 | 4300 | NONE | 4300 | No | No | No | NA | No |
| 8 | 072 | 4-Chlorophenylphenylether | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 8 | 073 | Chrysene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0044 | 0.049 | NONE | 0.049 | No | No | No | NA | No |
| 8 | 074 | Dibenzo(a,h)Anthracene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0044 | 0.049 | NONE | 0.049 | No | No | No | NA | No |
| 8 | 075 | 1,2-Dichlorobenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 2700 | 17000 | 600 | 600 | No | No | No | NA | No |
| 8 | 076 | 1,3-Dichlorobenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 400 | 2600 | NONE | 2600 | No | No | No | NA | No |
| 8 | 077 | 1,4-Dichlorobenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 400 | 2600 | 5 | 5 | No | No | No | NA | No |
| 8 | 078 | 3,3'-Dichlorobenzidine | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.04 | 0.077 | NONE | 0.077 | No | No | No | NA | No |
| 8 | 079 | Diethylphthalate | ug/L | All Data Qualified | 0.60 | NONE | NONE | 23000 | 120000 | NONE | 120000 | No | No | No | NA | No |
| 8 | 080 | Dimethylphthalate | ug/L | All Data Qualified | 0.60 | NONE | NONE | 313000 | 2900000 | NONE | 2900000 | No | No | No | NA | No |
| 8 | 081 | Di-n-butylphthalate | ug/L | All Data Qualified | 0.60 | NONE | NONE | 2700 | 12000 | NONE | 12000 | No | No | No | NA | No |
| 8 | 082 | 2,4-Dinitrotoluene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.11 | 9.1 | NONE | 9.1 | No | No | No | NA | No |
| 8 | 083 | 2,6-Dinitrotoluene | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 8 | 084 | Di-n-octylphthalate | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 8 | 085 | 1,2-Diphenylhydrazine | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.04 | 0.54 | NONE | 0.54 | No | No | No | NA | No |
| 8 | 086 | Fluoranthene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 300 | 370 | NONE | 370 | No | No | No | NA | No |
| 8 | 087 | Fluorene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1300 | 14000 | NONE | 14000 | No | No | No | NA | No |
| 8 | 088 | Hexachlorobenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.00075 | 0.00077 | NONE | 0.00077 | No | No | No | NA | No |
| 8 | 089 | Hexachlorobutadiene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.44 | 50 | NONE | 50 | No | No | No | NA | No |
| 8 | 090 | Hexachlorocyclopentadiene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 240 | 17000 | NONE | 17000 | No | No | No | NA | No |
| 8 | 091 | Hexachloroethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1.9 | 8.9 | NONE | 8.9 | No | No | No | NA | No |
| 8 | 092 | Indeno(1,2,3-cd)Pyrene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0044 | 0.049 | NONE | 0.049 | No | No | No | NA | No |

See attached RPA Summary for abbreviations, definitions and other explanations for the data presented.

**Table F1**
**REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 003-007, 010, 008)**

**FOURTH QUARTER 2008**
**THE BOEING COMPANY**
**SANTA SUSANA FIELD LABORATORY**
**NPDES PERMIT CA0001309**

| | | | | | | Step 1: Water Quality Criteria, Determine C | | | | | | Step 2 | Step 3 | | | Step 4 |
| | | | | | | CTR CRITERIA | | | | | | Is Effluent | Was Constituent | Are all | | |
| | | | | | | Freshwater | | Human Health | | Basin Plan | C = Lowest | Data | Detected in | Detection | If DL > C, | |
| Outfall | CTR | Constituent | Units | MEC | CV | CMC = Acute | CCC = Chronic | HH W&O (Not App) | HH O = HH | Title 22 GWR | Criteria | Available | Effluent Data | Limits > C | MEC = Min (DL) | MEC >= C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 093 | Isophorone | ug/L | All Data Qualified | 0.60 | NONE | NONE | 8.4 | 600 | NONE | 600 | No | No | No | NA | No |
| 8 | 094 | Naphthalene | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 8 | 095 | Nitrobenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 17 | 1900 | NONE | 1900 | No | No | No | NA | No |
| 8 | 096 | N-Nitrosodimethylamine | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.00069 | 8.1 | NONE | 8.1 | No | No | No | NA | No |
| 8 | 097 | n-Nitroso-di-n-propylamine | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.005 | 1.4 | NONE | 1.4 | No | No | No | NA | No |
| 8 | 098 | N-Nitrosodiphenylamine | ug/L | All Data Qualified | 0.60 | NONE | NONE | 5 | 16 | NONE | 16 | No | No | No | NA | No |
| 8 | 099 | Phenanthrene | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 8 | 100 | Pyrene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 960 | 11000 | NONE | 11000 | No | No | No | NA | No |
| 8 | 101 | 1,2,4-Trichlorobenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 8 | 102 | Aldrin | ug/L | All Data Qualified | 0.60 | 3 | NONE | 0.00013 | 0.00014 | NONE | 0.00014 | No | No | No | NA | No |
| 8 | 103 | alpha-BHC | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0039 | 0.013 | NONE | 0.013 | No | No | No | NA | No |
| 8 | 104 | beta-BHC | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.014 | 0.046 | NONE | 0.046 | No | No | No | NA | No |
| 8 | 105 | Lindane (gamma-BHC) | ug/L | All Data Qualified | 0.60 | 0.95 | NONE | 0.019 | 0.063 | 0.2 | 0.063 | No | No | No | NA | No |
| 8 | 106 | delta-BHC | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 8 | 107 | Chlordane | ug/L | All Data Qualified | 0.60 | 2.4 | 0.0043 | 0.00057 | 0.00059 | NONE | 0.00059 | No | No | No | NA | No |
| 8 | 108 | 4,4'-DDT | ug/L | All Data Qualified | 0.60 | 1.1 | 0.001 | 0.00059 | 0.00059 | NONE | 0.00059 | No | No | No | NA | No |
| 8 | 109 | 4,4'-DDE | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.00059 | 0.00059 | NONE | 0.00059 | No | No | No | NA | No |
| 8 | 110 | 4,4'-DDD | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.00083 | 0.00084 | NONE | 0.00084 | No | No | No | NA | No |
| 8 | 111 | Dieldrin | ug/L | All Data Qualified | 0.60 | 0.24 | 0.056 | 0.00014 | 0.00014 | NONE | 0.00014 | No | No | No | NA | No |
| 8 | 112 | Endosulfan I | ug/L | All Data Qualified | 0.60 | 0.22 | 0.056 | 110 | 240 | NONE | 0.056 | No | No | No | NA | No |
| 8 | 113 | Endosulfan II | ug/L | All Data Qualified | 0.60 | 0.22 | 0.056 | 110 | 240 | NONE | 0.056 | No | No | No | NA | No |
| 8 | 114 | Endosulfan Sulfate | ug/L | All Data Qualified | 0.60 | NONE | NONE | 110 | 240 | NONE | 240 | No | No | No | NA | No |

See attached RPA Summary for abbreviations, definitions and other explanations for the data presented.

**FOURTH QUARTER 2008**
**THE BOEING COMPANY**
**SANTA SUSANA FIELD LABORATORY**
**NPDES PERMIT CA0001309**

| | | | | | | Step 1: Water Quality Criteria, Determine C | | | | | | Step 2 | Step 3 | | | Step 4 |
| | | | | | | CTR CRITERIA | | | | | | Is Effluent | Was Constituent | Are all | | |
| | | | | | | Freshwater | | Human Health | | Basin Plan | C = Lowest | Data | Detected in | Detection | If DL > C, | |
| Outfall | CTR | Constituent | Units | MEC | CV | CMC = Acute | CCC = Chronic | HH W&O (Not App) | HH O = HH | Title 22 GWR | Criteria | Available | Effluent Data | Limits > C | MEC = Min (DL) | MEC >= C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 115 | Endrin | ug/L | All Data Qualified | 0.60 | 0.086 | 0.036 | 0.76 | 0.81 | NONE | 0.036 | No | No | No | NA | No |
| 8 | 116 | Endrin Aldehyde | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.76 | 0.81 | NONE | 0.81 | No | No | No | NA | No |
| 8 | 117 | Heptachlor | ug/L | All Data Qualified | 0.60 | 0.52 | 0.0038 | 0.00021 | 0.00021 | NONE | 0.00021 | No | No | No | NA | No |
| 8 | 118 | Heptachlor Epoxide | ug/L | All Data Qualified | 0.60 | 0.52 | 0.0038 | 0.0001 | 0.00011 | NONE | 0.00011 | No | No | No | NA | No |
| 8 | 119 | Aroclor-1016 | ug/L | All Data Qualified | 0.60 | NONE | 0.014 | 0.00017 | 0.00017 | NONE | 0.00017 | No | No | No | NA | No |
| 8 | 120 | Aroclor-1221 | ug/L | All Data Qualified | 0.60 | NONE | 0.014 | 0.00017 | 0.00017 | NONE | 0.00017 | No | No | No | NA | No |
| 8 | 121 | Aroclor-1232 | ug/L | All Data Qualified | 0.60 | NONE | 0.014 | 0.00017 | 0.00017 | NONE | 0.00017 | No | No | No | NA | No |
| 8 | 122 | Aroclor-1242 | ug/L | All Data Qualified | 0.60 | NONE | 0.014 | 0.00017 | 0.00017 | NONE | 0.00017 | No | No | No | NA | No |
| 8 | 123 | Aroclor-1248 | ug/L | All Data Qualified | 0.60 | NONE | 0.014 | 0.00017 | 0.00017 | NONE | 0.00017 | No | No | No | NA | No |
| 8 | 124 | Aroclor-1254 | ug/L | All Data Qualified | 0.60 | NONE | 0.014 | 0.00017 | 0.00017 | NONE | 0.00017 | No | No | No | NA | No |
| 8 | 125 | Aroclor-1260 | ug/L | All Data Qualified | 0.60 | NONE | 0.014 | 0.00017 | 0.00017 | NONE | 0.00017 | No | No | No | NA | No |
| 8 | 126 | Toxaphene | ug/L | All Data Qualified | 0.60 | 0.73 | 0.0002 | 0.0073 | 0.00075 | NONE | 0.0002 | No | No | No | NA | No |

**Table F2**
**REASONABLE POTENTIAL ANALYSIS FOR SECONDARY POLLUTANTS, (OUTFALLS 003 - 007, 010, and 008)**

**FOURTH QUARTER 2008**
**THE BOEING COMPANY**
**SANTA SUSANA FIELD LABORATORY**
**NPDES PERMIT CA0001309**

| Outfall | Constituent | Monitoring | Units | Number of Samples | MEC | CV | Multiplier | Projected Maximum Effluent Concentration (99/99) | Dilution Ratio | Background Concentration | Projected Maximum Receiving Water Concentration | Step 1, Determine Water Quality Objectives | BU - Beneficial use protection NC-Human noncarcinogen AP-Aquatic life protection |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3_7, 10 | Boron | Annual | mg/L | 0 | All Data Qualified | 0.60 | All Data Qualified | All Qualified Data | 0 | 0 | NA | 1 | BU |
| 3_7, 10 | Chloride | Discharge | mg/L | 7 | 44 | 0.60 | 3.54 | 155.90 | 0 | 0 | 155.90 | 150 | BU |
| 3_7, 10 | Fluoride | Annual | mg/L | 0 | All Data Qualified | 0.60 | All Data Qualified | All Qualified Data | 0 | 0 | NA | 1.6 | BU |
| 3_7, 10 | Nitrate + Nitrite as Nitrogen (N) | Discharge | mg/L | 7 | 6.4 | 0.60 | 3.54 | 22.68 | 0 | 0 | 22.68 | 8 | BU/TMDL |
| 3_7, 10 | Oil & Grease | Discharge | mg/L | 7 | 3.9 | 0.60 | 3.54 | 13.82 | 0 | 0 | 13.82 | 10 | BU |
| 3_7, 10 | Sulfate | Discharge | mg/L | 7 | 47 | 0.60 | 3.54 | 166.53 | 0 | 0 | 166.53 | 300 | BU |
| 3_7, 10 | Total Dissolved Solids | Discharge | mg/L | 7 | 310 | 0.60 | 3.54 | 1098.40 | 0 | 0 | 1098.40 | 150 | BU |
| 3_7, 10 | Total Suspended Solids | Annual | mg/L | 0 | All Data Qualified | 0.60 | All Data Qualified | All Qualified Data | 0 | 0 | NA | 45 | BU |
| 8 | Boron | Annual | mg/L | 0 | All Data Qualified | 0.60 | All Data Qualified | All Qualified Data | 0 | 0 | NA | 1 | BU |
| 8 | Chloride | Discharge | mg/L | 0 | All Data Qualified | 0.60 | All Data Qualified | All Qualified Data | 0 | 0 | NA | 150 | BU |
| 8 | Fluoride | Annual | mg/L | 0 | All Data Qualified | 0.60 | All Data Qualified | All Qualified Data | 0 | 0 | NA | 1.6 | BU |
| 8 | Nitrate + Nitrite as Nitrogen (N) | Discharge | mg/L | 0 | All Data Qualified | 0.60 | All Data Qualified | All Qualified Data | 0 | 0 | NA | 8 | BU/TMDL |
| 8 | Oil & Grease | Discharge | mg/L | 0 | All Data Qualified | 0.60 | All Data Qualified | All Qualified Data | 0 | 0 | NA | 10 | BU |
| 8 | Sulfate | Discharge | mg/L | 0 | All Data Qualified | 0.60 | All Data Qualified | All Qualified Data | 0 | 0 | NA | 300 | BU |
| 8 | Total Dissolved Solids | Discharge | mg/L | 0 | All Data Qualified | 0.60 | All Data Qualified | All Qualified Data | 0 | 0 | NA | 150 | BU |
| 8 | Total Suspended Solids | Annual | mg/L | 0 | All Data Qualified | 0.60 | All Data Qualified | All Qualified Data | 0 | 0 | NA | 45 | BU |

See attached RPA Summary for abbreviations, definitions and other explanations for the data presented.

**Table F3**
**REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 012, 013 014)**

**FIRST QUARTER 2008**
**THE BOEING COMPANY**
**SANTA SUSANA FIELD LABORATORY**
**NPDES PERMIT CA0001309**

| | | | | | | Step 1: Water Quality Criteria, Determine C | | | | | | Step 2 | Step 3 | | | Step 4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | CTR CRITERIA | | | | | | Is Effluent | Was Constituent | Are all | | |
| | | | | | | Freshwater | | Human Health | | Basin Plan | C = Lowest | Data | Detected in | Detection | If DL > C, | |
| Outfall | CTR | Constituent | Units | MEC | CV | CMC = Acute | CCC = Chronic | HH W&O (Not App) | HH O = HH | Title 22 GWR | Criteria | Available | Effluent Data | Limits > C | MEC = Min (DL) | MEC >= C |
| 12_14 | 001 | Antimony | ug/L | All Data Qualified | 0.60 | NONE | NONE | 14 | 4300 | 6 | 6 | No | No | No | NA | No |
| 12_14 | 002 | Arsenic | ug/L | All Data Qualified | 0.60 | 340 | 150 | NONE | NONE | 50 | 50 | No | No | No | NA | No |
| 12_14 | 003 | Beryllium | ug/L | All Data Qualified | 0.60 | NONE | NONE | Narrative | Narrative | 4 | 4 | No | No | No | NA | No |
| 12_14 | 004 | Cadmium | ug/L | 2.5 | 0.60 | NONE | 2.5 | Narrative | Narrative | 5 | 2.5 | Yes | Yes | NA | NA | Yes |
| 12_14 | 005a | Chromium | ug/L | All Data Qualified | 0.60 | NONE | 207.0 | Narrative | Narrative | NONE | 207.0 | No | No | No | NA | No |
| 12_14 | 005b | Chromium VI | ug/L | All Data Qualified | 0.60 | 16.3 | 11.4 | Narrative | Narrative | 50 | 11.4 | No | No | No | NA | No |
| 12_14 | 006 | Copper | ug/L | 4.9 | 0.60 | NONE | 9.3 | 1300 | NONE | NONE | 9.3 | Yes | Yes | NA | NA | No |
| 12_14 | 007 | Lead | ug/L | 2.2 | 0.60 | NONE | 3.2 | Narrative | Narrative | NONE | 3.2 | Yes | Yes | NA | NA | No |
| 12_14 | 008 | Mercury | ug/L | All Data Qualified | 0.60 | Reserved | Reserved | 0.05 | 0.051 | 2 | 0.051 | No | No | No | NA | No |
| 12_14 | 009 | Nickel | ug/L | All Data Qualified | 0.60 | NONE | 52.2 | 610 | 4600 | 100 | 52.2 | No | No | No | NA | No |
| 12_14 | 010 | Selenium | ug/L | 0.32 | 0.60 | Reserved | 5 | Narrative | Narrative | 50 | 5 | Yes | Yes | NA | NA | No |
| 12_14 | 011 | Silver | ug/L | All Data Qualified | 0.60 | NONE | none | NONE | NONE | NONE | 4.06 | No | No | No | NA | No |
| 12_14 | 012 | Thallium | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1.7 | 6.3 | 2 | 2 | No | No | No | NA | No |
| 12_14 | 013 | Zinc | ug/L | 79 | 0.60 | NONE | 119.8 | none | NONE | NONE | 119.8 | Yes | Yes | NA | NA | No |
| 12_14 | 014 | Total Cyanide | ug/L | All Data Qualified | 0.60 | 22 | 5.2 | 700 | 220000 | 200 | 5.2 | No | No | No | NA | No |
| 12_14 | 015 | Asbestos | Fibers/L | All Data Qualified | 0.60 | NONE | NONE | 7000000 | NONE | 7x10^6 | 700000 | No | No | No | NA | No |
| 12_14 | 016 | TCDD TEQ_NoDNQ | ug/L | 2.78E-08 | 0.60 | NONE | NONE | 1.3e-008 | 1.4e-008 | 3x10^-5 | 1.40E-08 | Yes | Yes | NA | NA | Yes |
| 12_14 | 017 | Acrolein | ug/L | All Data Qualified | 0.60 | NONE | NONE | 320 | 780 | NONE | 780 | No | No | No | NA | No |
| 12_14 | 018 | Acrylonitrile | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.059 | 0.66 | NONE | 0.66 | No | No | No | NA | No |
| 12_14 | 019 | Benzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1.2 | 71 | 1 | 1 | No | No | No | NA | No |
| 12_14 | 020 | Bromoform | ug/L | All Data Qualified | 0.60 | NONE | NONE | 4.3 | 360 | NONE | 360 | No | No | No | NA | No |
| 12_14 | 021 | Carbon Tetrachloride | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.25 | 4.4 | 600 | 4.4 | No | No | No | NA | No |

**Table F3**
**REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 012, 013 014)**


**FIRST QUARTER 2008**
**THE BOEING COMPANY**
**SANTA SUSANA FIELD LABORATORY**
**NPDES PERMIT CA0001309**

| Outfall | CTR | Constituent | Units | MEC | CV | Step 1: Water Quality Criteria, Determine C | | | | | | Step 2 | Step 3 | | | Step 4 |
| | | | | | | CTR CRITERIA | | | | Basin Plan | C = Lowest | Is Effluent | Was Constituent | Are all | | |
| | | | | | | Freshwater | | Human Health | | | | Data | Detected in | Detection | If DL > C, | |
| | | | | | | CMC = Acute | CCC = Chronic | HH W&O (Not App) | HH O = HH | Title 22 GWR | Criteria | Available | Effluent Data | Limits > C | MEC = Min (DL) | MEC >= C |
| 12_14 | 022 | Chlorobenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 680 | 21000 | NONE | 21000 | No | No | No | NA | No |
| 12_14 | 023 | Dibromochloromethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.401 | 34 | NONE | 34 | No | No | No | NA | No |
| 12_14 | 024 | Chloroethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 12_14 | 025 | 2-Chloroethylvinylether | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 12_14 | 026 | Chloroform | ug/L | All Data Qualified | 0.60 | NONE | NONE | Reserved | Reserved | NONE | NONE | No | No | No | NA | No |
| 12_14 | 027 | Bromodichloromethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.56 | 46 | NONE | 46 | No | No | No | NA | No |
| 12_14 | 028 | 1,1-Dichloroethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | 5 | 5 | No | No | No | NA | No |
| 12_14 | 029 | 1,2-Dichloroethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.38 | 99 | 0.5 | 0.5 | No | No | No | NA | No |
| 12_14 | 030 | 1,1-Dichloroethene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.057 | 3.2 | 6 | 3.2 | No | No | No | NA | No |
| 12_14 | 031 | 1,2-Dichloropropane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.52 | 39 | 5 | 5 | No | No | No | NA | No |
| 12_14 | 032 | 1,3-Dichloropropene (Total) | ug/L | All Data Qualified | 0.60 | NONE | NONE | 10 | 1700 | 0.5 | 0.5 | No | No | No | NA | No |
| 12_14 | 033 | Ethylbenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 3100 | 29000 | 0.7 | 0.7 | No | No | No | NA | No |
| 12_14 | 034 | Bromomethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 48 | 4000 | NONE | 4000 | No | No | No | NA | No |
| 12_14 | 035 | Chloromethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | Narrative | Narrative | NONE | NONE | No | No | No | NA | No |
| 12_14 | 036 | Methylene chloride | ug/L | All Data Qualified | 0.60 | NONE | NONE | 4.7 | 1600 | NONE | 1600 | No | No | No | NA | No |
| 12_14 | 037 | 1,1,2,2-Tetrachloroethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.17 | 11 | 1 | 1 | No | No | No | NA | No |
| 12_14 | 038 | Tetrachloroethene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.8 | 8.85 | 5 | 5 | No | No | No | NA | No |
| 12_14 | 039 | Toluene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 6800 | 200000 | 150 | 150 | No | No | No | NA | No |
| 12_14 | 040 | trans-1,2-Dichloroethene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 700 | 140000 | 10 | 10 | No | No | No | NA | No |
| 12_14 | 041 | 1,1,1-Trichloroethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | Narrative | Narrative | 200 | 200 | No | No | No | NA | No |
| 12_14 | 042 | 1,1,2-trichloroethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.6 | 42 | 5 | 5 | No | No | No | NA | No |
| 12_14 | 043 | Trichloroethene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 2.7 | 81 | 5 | 5 | No | No | No | NA | No |

See attached RPA Summary for abbreviations, definitions and other explanations for the data presented.          Page 2 of 6

**Table F3**
**REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 012, 013 014)**


**FIRST QUARTER 2008**
**THE BOEING COMPANY**
**SANTA SUSANA FIELD LABORATORY**
**NPDES PERMIT CA0001309**

| | | | | | | Step 1: Water Quality Criteria, Determine C | | | | | | Step 2 | Step 3 | | | Step 4 |
| | | | | | | CTR CRITERIA | | | | | | Is Effluent | Was Constituent | Are all | | |
| | | | | | | Freshwater | | Human Health | | Basin Plan | C = Lowest | Data | Detected in | Detection | If DL > C, | |
| Outfall | CTR | Constituent | Units | MEC | CV | CMC = Acute | CCC = Chronic | HH W&O (Not App) | HH O = HH | Title 22 GWR | Criteria | Available | Effluent Data | Limits > C | MEC = Min (DL) | MEC >= C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12_14 | 044 | Vinyl chloride | ug/L | All Data Qualified | 0.60 | NONE | NONE | 2 | 525 | 0.5 | 0.5 | No | No | No | NA | No |
| 12_14 | 045 | 2-chlorophenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | 120 | 400 | NONE | 400 | No | No | No | NA | No |
| 12_14 | 046 | 2,4-Dichlorophenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | 93 | 790 | NONE | 790 | No | No | No | NA | No |
| 12_14 | 047 | 2,4-dimethylphenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | 540 | 2300 | NONE | 2300 | No | No | No | NA | No |
| 12_14 | 048 | 2-Methyl-4,6-dinitrophenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | 13.4 | 765 | NONE | 765 | No | No | No | NA | No |
| 12_14 | 049 | 2,4-dinitrophenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | 70 | 14000 | NONE | 14000 | No | No | No | NA | No |
| 12_14 | 050 | 2-nitrophenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 12_14 | 051 | 4-nitrophenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 12_14 | 052 | 4-Chloro-3-methylphenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 12_14 | 053 | Pentachlorophenol | ug/L | All Data Qualified | 0.60 | pH dependent | pH dependent | 0.28 | 8.2 | 1 | 1 | No | No | No | NA | No |
| 12_14 | 054 | Phenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | 21000 | 4600000 | NONE | 4600000 | No | No | No | NA | No |
| 12_14 | 055 | 2,4,6-Trichlorophenol | ug/L | All Data Qualified | 0.60 | NONE | NONE | 2.1 | 6.5 | NONE | 6.5 | No | No | No | NA | No |
| 12_14 | 056 | Acenaphthene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1200 | 2700 | NONE | 2700 | No | No | No | NA | No |
| 12_14 | 057 | Acenaphthylene | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 12_14 | 058 | Anthracene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 9600 | 110000 | NONE | 110000 | No | No | No | NA | No |
| 12_14 | 059 | Benzidine | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.00012 | 0.00054 | NONE | 0.00054 | No | No | No | NA | No |
| 12_14 | 060 | Benzo(a)Anthracene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0044 | 0.049 | NONE | 0.049 | No | No | No | NA | No |
| 12_14 | 061 | Benzo(a)Pyrene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0044 | 0.049 | NONE | 0.049 | No | No | No | NA | No |
| 12_14 | 062 | Benzo(b)Fluoranthene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0044 | 0.049 | NONE | 0.049 | No | No | No | NA | No |
| 12_14 | 063 | Benzo(g,h,i)Perylene | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 12_14 | 064 | Benzo(k)Fluoranthene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0044 | 0.049 | NONE | 0.049 | No | No | No | NA | No |
| 12_14 | 065 | Bis(2-Chloroethoxy) methane | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |

**FIRST QUARTER 2008**
**THE BOEING COMPANY**
**SANTA SUSANA FIELD LABORATORY**
**NPDES PERMIT CA0001309**

| | | | | | | Step 1: Water Quality Criteria, Determine C | | | | | | Step 2 | Step 3 | | | Step 4 |
| | | | | | | CTR CRITERIA | | | | | | Is Effluent | Was Constituent | Are all | | |
| | | | | | | Freshwater | | Human Health | | Basin Plan | C = Lowest | Data | Detected in | Detection | If DL > C, | |
| Outfall | CTR | Constituent | Units | MEC | CV | CMC = Acute | CCC = Chronic | HH W&O (Not App) | HH O = HH | Title 22 GWR | Criteria | Available | Effluent Data | Limits > C | MEC = Min (DL) | MEC >= C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12_14 | 066 | bis (2-Chloroethyl) ether | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.031 | 1.4 | NONE | 1.4 | No | No | No | NA | No |
| 12_14 | 067 | Bis(2-Chloroisopropyl) Ether | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1400 | 170000 | NONE | 170000 | No | No | No | NA | No |
| 12_14 | 068 | bis (2-ethylhexyl) Phthalate | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1.8 | 5.9 | 4 | 4 | No | No | No | NA | No |
| 12_14 | 069 | 4-Bromophenylphenylether | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 12_14 | 070 | Butylbenzylphthalate | ug/L | All Data Qualified | 0.60 | NONE | NONE | 3000 | 5200 | NONE | 5200 | No | No | No | NA | No |
| 12_14 | 071 | 2-Chloronaphthalene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1700 | 4300 | NONE | 4300 | No | No | No | NA | No |
| 12_14 | 072 | 4-Chlorophenylphenylether | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 12_14 | 073 | Chrysene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0044 | 0.049 | NONE | 0.049 | No | No | No | NA | No |
| 12_14 | 074 | Dibenzo(a,h)Anthracene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0044 | 0.049 | NONE | 0.049 | No | No | No | NA | No |
| 12_14 | 075 | 1,2-Dichlorobenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 2700 | 17000 | 600 | 600 | No | No | No | NA | No |
| 12_14 | 076 | 1,3-Dichlorobenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 400 | 2600 | NONE | 2600 | No | No | No | NA | No |
| 12_14 | 077 | 1,4-Dichlorobenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 400 | 2600 | 5 | 5 | No | No | No | NA | No |
| 12_14 | 078 | 3,3'-Dichlorobenzidine | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.04 | 0.077 | NONE | 0.077 | No | No | No | NA | No |
| 12_14 | 079 | Diethylphthalate | ug/L | All Data Qualified | 0.60 | NONE | NONE | 23000 | 120000 | NONE | 120000 | No | No | No | NA | No |
| 12_14 | 080 | Dimethylphthalate | ug/L | All Data Qualified | 0.60 | NONE | NONE | 313000 | 2900000 | NONE | 2900000 | No | No | No | NA | No |
| 12_14 | 081 | Di-n-butylphthalate | ug/L | All Data Qualified | 0.60 | NONE | NONE | 2700 | 12000 | NONE | 12000 | No | No | No | NA | No |
| 12_14 | 082 | 2,4-Dinitrotoluene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.11 | 9.1 | NONE | 9.1 | No | No | No | NA | No |
| 12_14 | 083 | 2,6-Dinitrotoluene | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 12_14 | 084 | Di-n-octylphthalate | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 12_14 | 085 | 1,2-Diphenylhydrazine | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.04 | 0.54 | NONE | 0.54 | No | No | No | NA | No |
| 12_14 | 086 | Fluoranthene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 300 | 370 | NONE | 370 | No | No | No | NA | No |
| 12_14 | 087 | Fluorene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1300 | 14000 | NONE | 14000 | No | No | No | NA | No |

See attached RPA Summary for abbreviations, definitions and other explanations for the data presented.

**Table F3**
**REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 012, 013 014)**


**FIRST QUARTER 2008**
**THE BOEING COMPANY**
**SANTA SUSANA FIELD LABORATORY**
**NPDES PERMIT CA0001309**

| | | | | | | Step 1: Water Quality Criteria, Determine C | | | | | | Step 2 | Step 3 | | | Step 4 |
| | | | | | | CTR CRITERIA | | | | | | Is Effluent | Was Constituent | Are all | | |
| | | | | | | Freshwater | | Human Health | | Basin Plan | C = Lowest | Data | Detected in | Detection | If DL > C, | |
| Outfall | CTR | Constituent | Units | MEC | CV | CMC = Acute | CCC = Chronic | HH W&O (Not App) | HH O = HH | Title 22 GWR | Criteria | Available | Effluent Data | Limits > C | MEC = Min (DL) | MEC >= C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12_14 | 088 | Hexachlorobenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.00075 | 0.00077 | NONE | 0.00077 | No | No | No | NA | No |
| 12_14 | 089 | Hexachlorobutadiene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.44 | 50 | NONE | 50 | No | No | No | NA | No |
| 12_14 | 090 | Hexachlorocyclopentadiene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 240 | 17000 | NONE | 17000 | No | No | No | NA | No |
| 12_14 | 091 | Hexachloroethane | ug/L | All Data Qualified | 0.60 | NONE | NONE | 1.9 | 8.9 | NONE | 8.9 | No | No | No | NA | No |
| 12_14 | 092 | Indeno(1,2,3-cd)Pyrene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0044 | 0.049 | NONE | 0.049 | No | No | No | NA | No |
| 12_14 | 093 | Isophorone | ug/L | All Data Qualified | 0.60 | NONE | NONE | 8.4 | 600 | NONE | 600 | No | No | No | NA | No |
| 12_14 | 094 | Naphthalene | ug/L | Available Data <DL | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | Yes | No | No | NA | No |
| 12_14 | 095 | Nitrobenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 17 | 1900 | NONE | 1900 | No | No | No | NA | No |
| 12_14 | 096 | N-Nitrosodimethylamine | ug/L | Available Data <DL | 0.60 | NONE | NONE | 0.00069 | 8.1 | NONE | 8.1 | Yes | No | No | NA | No |
| 12_14 | 097 | n-Nitroso-di-n-propylamine | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.005 | 1.4 | NONE | 1.4 | No | No | No | NA | No |
| 12_14 | 098 | N-Nitrosodiphenylamine | ug/L | All Data Qualified | 0.60 | NONE | NONE | 5 | 16 | NONE | 16 | No | No | No | NA | No |
| 12_14 | 099 | Phenanthrene | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 12_14 | 100 | Pyrene | ug/L | All Data Qualified | 0.60 | NONE | NONE | 960 | 11000 | NONE | 11000 | No | No | No | NA | No |
| 12_14 | 101 | 1,2,4-Trichlorobenzene | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 12_14 | 102 | Aldrin | ug/L | All Data Qualified | 0.60 | 3 | NONE | 0.00013 | 0.00014 | NONE | 0.00014 | No | No | No | NA | No |
| 12_14 | 103 | alpha-BHC | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.0039 | 0.013 | NONE | 0.013 | No | No | No | NA | No |
| 12_14 | 104 | beta-BHC | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.014 | 0.046 | NONE | 0.046 | No | No | No | NA | No |
| 12_14 | 105 | Lindane (gamma-BHC) | ug/L | All Data Qualified | 0.60 | 0.95 | NONE | 0.019 | 0.063 | 0.2 | 0.063 | No | No | No | NA | No |
| 12_14 | 106 | delta-BHC | ug/L | All Data Qualified | 0.60 | NONE | NONE | NONE | NONE | NONE | NONE | No | No | No | NA | No |
| 12_14 | 107 | Chlordane | ug/L | All Data Qualified | 0.60 | 2.4 | 0.0043 | 0.00057 | 0.00059 | NONE | 0.00059 | No | No | No | NA | No |
| 12_14 | 108 | 4,4'-DDT | ug/L | All Data Qualified | 0.60 | 1.1 | 0.001 | 0.00059 | 0.00059 | NONE | 0.00059 | No | No | No | NA | No |
| 12_14 | 109 | 4,4'-DDE | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.00059 | 0.00059 | NONE | 0.00059 | No | No | No | NA | No |

**Table F3**
**REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 012, 013 014)**


**FIRST QUARTER 2008**
**THE BOEING COMPANY**
**SANTA SUSANA FIELD LABORATORY**
**NPDES PERMIT CA0001309**

| | | | | | | Step 1: Water Quality Criteria, Determine C | | | | | | Step 2 | Step 3 | | | | Step 4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | CTR CRITERIA | | | | | | Is Effluent | Was Constituent | Are all | | | |
| | | | | | | Freshwater | | Human Health | | Basin Plan | C = Lowest | Data | Detected in | Detection | If DL > C, | | |
| Outfall | CTR | Constituent | Units | MEC | CV | CMC = Acute | CCC = Chronic | HH W&O (Not App) | HH O = HH | Title 22 GWR | Criteria | Available | Effluent Data | Limits > C | MEC = Min (DL) | MEC >= C |
| 12_14 | 110 | 4,4'-DDD | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.00083 | 0.00084 | NONE | 0.00084 | No | No | No | NA | No |
| 12_14 | 111 | Dieldrin | ug/L | All Data Qualified | 0.60 | 0.24 | 0.056 | 0.00014 | 0.00014 | NONE | 0.00014 | No | No | No | NA | No |
| 12_14 | 112 | Endosulfan I | ug/L | All Data Qualified | 0.60 | 0.22 | 0.056 | 110 | 240 | NONE | 0.056 | No | No | No | NA | No |
| 12_14 | 113 | Endosulfan II | ug/L | All Data Qualified | 0.60 | 0.22 | 0.056 | 110 | 240 | NONE | 0.056 | No | No | No | NA | No |
| 12_14 | 114 | Endosulfan Sulfate | ug/L | All Data Qualified | 0.60 | NONE | NONE | 110 | 240 | NONE | 240 | No | No | No | NA | No |
| 12_14 | 115 | Endrin | ug/L | All Data Qualified | 0.60 | 0.086 | 0.036 | 0.76 | 0.81 | NONE | 0.036 | No | No | No | NA | No |
| 12_14 | 116 | Endrin Aldehyde | ug/L | All Data Qualified | 0.60 | NONE | NONE | 0.76 | 0.81 | NONE | 0.81 | No | No | No | NA | No |
| 12_14 | 117 | Heptachlor | ug/L | All Data Qualified | 0.60 | 0.52 | 0.0038 | 0.00021 | 0.00021 | NONE | 0.00021 | No | No | No | NA | No |
| 12_14 | 118 | Heptachlor Epoxide | ug/L | All Data Qualified | 0.60 | 0.52 | 0.0038 | 0.0001 | 0.00011 | NONE | 0.00011 | No | No | No | NA | No |
| 12_14 | 119 | Aroclor-1016 | ug/L | All Data Qualified | 0.60 | NONE | 0.014 | 0.00017 | 0.00017 | NONE | 0.00017 | No | No | No | NA | No |
| 12_14 | 120 | Aroclor-1221 | ug/L | All Data Qualified | 0.60 | NONE | 0.014 | 0.00017 | 0.00017 | NONE | 0.00017 | No | No | No | NA | No |
| 12_14 | 121 | Aroclor-1232 | ug/L | All Data Qualified | 0.60 | NONE | 0.014 | 0.00017 | 0.00017 | NONE | 0.00017 | No | No | No | NA | No |
| 12_14 | 122 | Aroclor-1242 | ug/L | All Data Qualified | 0.60 | NONE | 0.014 | 0.00017 | 0.00017 | NONE | 0.00017 | No | No | No | NA | No |
| 12_14 | 123 | Aroclor-1248 | ug/L | All Data Qualified | 0.60 | NONE | 0.014 | 0.00017 | 0.00017 | NONE | 0.00017 | No | No | No | NA | No |
| 12_14 | 124 | Aroclor-1254 | ug/L | All Data Qualified | 0.60 | NONE | 0.014 | 0.00017 | 0.00017 | NONE | 0.00017 | No | No | No | NA | No |
| 12_14 | 125 | Aroclor-1260 | ug/L | All Data Qualified | 0.60 | NONE | 0.014 | 0.00017 | 0.00017 | NONE | 0.00017 | No | No | No | NA | No |
| 12_14 | 126 | Toxaphene | ug/L | All Data Qualified | 0.60 | 0.73 | 0.0002 | 0.0073 | 0.00075 | NONE | 0.0002 | No | No | No | NA | No |