

LABORATORY REPORT

Prepared For: The Boeing Company-SSFL
5800 Woolsey Canyon Road
Canoga Park, CA 91304-1148
Attention: Lori Wynd

Project: Boeing-SSFL BMP
Media Test

Sampled: 10/23/06
Received: 10/10/06
Issued: 11/09/06 17:41

NELAP #01108CA California ELAP#1197 CSDLAC #10256

*The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.
This entire report was reviewed and approved for release.*

SAMPLE CROSS REFERENCE

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

ADDITIONAL INFORMATION: The sample was prepared in accordance with the EPA Method 1311 leaching procedure described for TCLP with the exception that the extraction fluid used was deionized water instead of the acetic acid solution described in the method. Also, a method blank for each analysis was prepared using the same procedure. Due to laboratory oversight, the pre-prepared method blank was not used for EPA 418.1.

LABORATORY ID
IPJ1500-02

CLIENT ID
Flexterra-leachate

MATRIX
Water

Reviewed By:



TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

The Boeing Company-SSFL
 5800 Woolsey Canyon Road
 Canoga Park, CA 91304-1148
 Attention: Lori Wynd

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 Report Number: IPJ1500

Sampled: 10/23/06
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TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IPJ1500-02 (Flexterra-leachate - Water) | | | | | | | | | |
| Reporting Units: mg/l | | | | | | | | | |
| Total Recoverable Hydrocarbons | EPA 418.1 | 6J31057 | 0.30 | 0.95 | 3.2 | 0.952 | 10/31/06 | 10/31/06 | |

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EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IPJ1500-02 (Flexterra-leachate - Water) - cont. | | | | | | | | | |
| Reporting Units: mg/l | | | | | | | | | |
| EFH (C13 - C22) | EPA 8015B | 6J30055 | 0.045 | 0.50 | 0.39 | 1 | 10/30/06 | 10/30/06 | J |
| <i>Surrogate: n-Octacosane (40-125%)</i> | | | | | <i>72 %</i> | | | | |

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VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---------------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IPJ1500-02 (Flexterra-leachate - Water) - cont. | | | | | | | | | |
| Reporting Units: mg/l | | | | | | | | | |
| GRO (C4 - C12) | EPA 8015 Mod. | 6J27050 | 0.050 | 0.10 | 0.080 | 1 | 10/27/06 | 10/28/06 | J |
| <i>Surrogate: 4-BFB (FID) (65-140%)</i> | | | | | 85 % | | | | |

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ORGANOCHLORINE PESTICIDES (EPA 608)

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IPJ1500-02 (Flexterra-leachate - Water) - cont. | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| Aldrin | EPA 608 | 6J30068 | 0.029 | 0.095 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| alpha-BHC | EPA 608 | 6J30068 | 0.00095 | 0.0095 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| beta-BHC | EPA 608 | 6J30068 | 0.014 | 0.095 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| delta-BHC | EPA 608 | 6J30068 | 0.019 | 0.19 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| gamma-BHC (Lindane) | EPA 608 | 6J30068 | 0.019 | 0.095 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| Chlordane | EPA 608 | 6J30068 | 0.19 | 0.95 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| 4,4'-DDD | EPA 608 | 6J30068 | 0.019 | 0.095 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| 4,4'-DDE | EPA 608 | 6J30068 | 0.024 | 0.095 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| 4,4'-DDT | EPA 608 | 6J30068 | 0.033 | 0.095 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| Dieldrin | EPA 608 | 6J30068 | 0.014 | 0.095 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| Endosulfan I | EPA 608 | 6J30068 | 0.014 | 0.095 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| Endosulfan II | EPA 608 | 6J30068 | 0.038 | 0.095 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| Endosulfan sulfate | EPA 608 | 6J30068 | 0.019 | 0.19 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| Endrin | EPA 608 | 6J30068 | 0.019 | 0.095 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| Endrin aldehyde | EPA 608 | 6J30068 | 0.043 | 0.095 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| Endrin ketone | EPA 608 | 6J30068 | 0.019 | 0.095 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| Heptachlor | EPA 608 | 6J30068 | 0.029 | 0.095 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| Heptachlor epoxide | EPA 608 | 6J30068 | 0.029 | 0.095 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| Methoxychlor | EPA 608 | 6J30068 | 0.033 | 0.095 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| Toxaphene | EPA 608 | 6J30068 | 1.4 | 4.8 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| Surrogate: Tetrachloro-m-xylene (35-115%) | | | | | 55 % | | | | |
| Surrogate: Decachlorobiphenyl (45-120%) | | | | | 112 % | | | | |
| Surrogate: Tetrachloro-m-xylene (35-115%) | | | | | 55 % | | | | |
| Surrogate: Decachlorobiphenyl (45-120%) | | | | | 112 % | | | | |

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TOTAL PCBS (EPA 608)

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IPJ1500-02 (Flexterra-leachate - Water) - cont. | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| Aroclor 1016 | EPA 608 | 6J30068 | 0.19 | 0.95 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| Aroclor 1221 | EPA 608 | 6J30068 | 0.095 | 0.95 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| Aroclor 1232 | EPA 608 | 6J30068 | 0.24 | 0.95 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| Aroclor 1242 | EPA 608 | 6J30068 | 0.24 | 0.95 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| Aroclor 1248 | EPA 608 | 6J30068 | 0.24 | 0.95 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| Aroclor 1254 | EPA 608 | 6J30068 | 0.24 | 0.95 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| Aroclor 1260 | EPA 608 | 6J30068 | 0.38 | 0.95 | ND | 0.952 | 10/30/06 | 10/31/06 | |
| <i>Surrogate: Decachlorobiphenyl (45-120%)</i> | | | | | 82 % | | | | |

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METALS

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IPJ1500-02 (Flexterra-leachate - Water) - cont. | | | | | | | | | |
| Reporting Units: mg/l | | | | | | | | | |
| Barium | EPA 200.7 | 6J24089 | 0.0060 | 0.010 | ND | 1 | 10/24/06 | 10/29/06 | |
| Boron | EPA 200.7 | 6J24089 | 0.0080 | 0.050 | 0.44 | 1 | 10/24/06 | 10/29/06 | |
| Iron | EPA 200.7 | 6J24089 | 0.015 | 0.040 | 0.034 | 1 | 10/24/06 | 10/29/06 | J |

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METALS

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IPJ1500-02 (Flexterra-leachate - Water) - cont. | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| Antimony | EPA 200.8 | 6J24078 | 0.50 | 20 | 470 | 10 | 10/24/06 | 10/26/06 | |
| Arsenic | EPA 200.7 | 6J24089 | 4.4 | 10 | 5.4 | 1 | 10/24/06 | 10/29/06 | J |
| Beryllium | EPA 200.7 | 6J24089 | 0.90 | 2.0 | ND | 1 | 10/24/06 | 10/29/06 | |
| Cadmium | EPA 200.8 | 6J24078 | 0.25 | 10 | ND | 10 | 10/24/06 | 10/26/06 | RL-1 |
| Copper | EPA 200.8 | 6J24078 | 2.5 | 20 | 7.8 | 10 | 10/24/06 | 10/26/06 | RL-1, J |
| Lead | EPA 200.8 | 6J24078 | 0.40 | 10 | ND | 10 | 10/24/06 | 10/26/06 | RL-1 |
| Manganese | EPA 200.7 | 6J24089 | 7.0 | 20 | ND | 1 | 10/24/06 | 10/29/06 | |
| Mercury | EPA 245.1 | 6J24066 | 0.050 | 0.20 | ND | 1 | 10/24/06 | 10/24/06 | |
| Nickel | EPA 200.7 | 6J24089 | 2.0 | 10 | ND | 1 | 10/24/06 | 10/29/06 | |
| Selenium | EPA 200.8 | 6J24078 | N/A | 20 | ND | 10 | 10/24/06 | 10/26/06 | RL-1 |
| Silver | EPA 200.8 | 6J24078 | 0.25 | 10 | ND | 10 | 10/24/06 | 10/26/06 | RL-1 |
| Thallium | EPA 200.8 | 6J24078 | 1.5 | 10 | ND | 10 | 10/24/06 | 10/26/06 | RL-1 |
| Zinc | EPA 200.7 | 6J24089 | 15 | 20 | ND | 1 | 10/24/06 | 10/29/06 | |

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INORGANICS

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IPJ1500-02 (Flexterra-leachate - Water) - cont. | | | | | | | | | |
| Reporting Units: mg/l | | | | | | | | | |
| Ammonia-N (Distilled) | EPA 350.2 | 6J25148 | 0.30 | 0.50 | 2.2 | 1 | 10/25/06 | 10/25/06 | |
| Chloride | EPA 300.0 | 6J24129 | 0.15 | 0.50 | 0.94 | 1 | 10/24/06 | 10/25/06 | |
| Fluoride | EPA 300.0 | 6J24129 | 0.15 | 0.50 | 0.73 | 1 | 10/24/06 | 10/25/06 | |
| Nitrate-N | EPA 300.0 | 6J24129 | N/A | 0.11 | ND | 1 | 10/24/06 | 10/25/06 | |
| Nitrite-N | EPA 300.0 | 6J24129 | N/A | 0.15 | ND | 1 | 10/24/06 | 10/25/06 | |
| Nitrate/Nitrite-N | EPA 300.0 | 6J24129 | 0.080 | 0.15 | ND | 1 | 10/24/06 | 10/25/06 | |
| Oil & Grease | EPA 413.1 | 6J30081 | 0.89 | 4.7 | 4.6 | 1 | 10/30/06 | 10/30/06 | J |
| Sulfate | EPA 300.0 | 6J24129 | 0.45 | 0.50 | 9.2 | 1 | 10/24/06 | 10/25/06 | |
| Surfactants (MBAS) | SM5540-C | 6J24131 | 0.088 | 0.20 | 0.15 | 2 | 10/24/06 | 10/24/06 | RL-1, J |
| Total Dissolved Solids | SM2540C | 6J24068 | 10 | 10 | 310 | 1 | 10/24/06 | 10/24/06 | |

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INORGANICS

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IPJ1500-02 (Flexterra-leachate - Water) - cont. | | | | | | | | | |
| Reporting Units: pH Units | | | | | | | | | |
| pH | EPA 150.1 | 6J24080 | N/A | NA | 9.39 | 1 | 10/24/06 | 10/24/06 | |

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INORGANICS

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IPJ1500-02 (Flexterra-leachate - Water) - cont. | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| Chromium VI | EPA 218.6 | 6J23137 | 0.10 | 1.0 | ND | 1 | 10/23/06 | 10/23/06 | |
| Total Cyanide | EPA 335.2 | 6J27124 | 2.2 | 5.0 | ND | 1 | 10/27/06 | 10/27/06 | |
| Perchlorate | EPA 314.0 | 6J26112 | N/A | 20 | ND | 5 | 10/26/06 | 10/26/06 | RL-1 |

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SHORT HOLD TIME DETAIL REPORT

| Sample ID: Flexterra-leachate (IPJ1500-02) - Water | Hold Time (in days) | Date/Time Sampled | Date/Time Received | Date/Time Extracted | Date/Time Analyzed |
|--|------------------------|----------------------|-----------------------|------------------------|-----------------------|
| EPA 150.1 | 1 | 10/23/2006 11:00 | 10/10/2006 15:45 | 10/24/2006 07:50 | 10/24/2006 10:20 |
| EPA 218.6 | 1 | 10/23/2006 11:00 | 10/10/2006 15:45 | 10/23/2006 16:00 | 10/23/2006 17:02 |
| EPA 300.0 | 2 | 10/23/2006 11:00 | 10/10/2006 15:45 | 10/24/2006 21:15 | 10/25/2006 10:09 |
| SM5540-C | 2 | 10/23/2006 11:00 | 10/10/2006 15:45 | 10/24/2006 16:30 | 10/24/2006 18:44 |

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METHOD BLANK/QC DATA

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 6J31057 Extracted: 10/31/06 | | | | | | | | | | | |
| Blank Analyzed: 10/31/2006 (6J31057-BLK1) | | | | | | | | | | | |
| Total Recoverable Hydrocarbons | ND | 1.0 | 0.31 | mg/l | | | | | | | |
| LCS Analyzed: 10/31/2006 (6J31057-BS1) | | | | | | | | | | | |
| Total Recoverable Hydrocarbons | 4.38 | 1.0 | 0.31 | mg/l | 5.00 | | 88 | 65-120 | | | M-NRI |
| LCS Dup Analyzed: 10/31/2006 (6J31057-BSD1) | | | | | | | | | | | |
| Total Recoverable Hydrocarbons | 4.50 | 1.0 | 0.31 | mg/l | 5.00 | | 90 | 65-120 | 3 | 20 | |

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METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 6J30055 Extracted: 10/30/06 | | | | | | | | | | | |
| Blank Analyzed: 11/03/2006 (6J30055-BLK1) | | | | | | | | | | | |
| EFH (C13 - C22) | ND | 0.50 | 0.045 | mg/l | | | | | | | |
| EFH (C13 - C40) | ND | 0.50 | 0.045 | mg/l | | | | | | | |
| Surrogate: n-Octacosane | 0.154 | | | mg/l | 0.200 | | 77 | 40-125 | | | |
| LCS Analyzed: 11/04/2006 (6J30055-BS1) | | | | | | | | | | | |
| EFH (C13 - C40) | 0.589 | 0.50 | 0.045 | mg/l | 0.750 | | 79 | 40-115 | | | M-NR1 |
| Surrogate: n-Octacosane | 0.166 | | | mg/l | 0.200 | | 83 | 40-115 | | | |
| LCS Dup Analyzed: 11/03/2006 (6J30055-BSD1) | | | | | | | | | | | |
| EFH (C13 - C40) | 0.539 | 0.50 | 0.045 | mg/l | 0.750 | | 72 | 40-115 | 9 | 25 | |
| Surrogate: n-Octacosane | 0.157 | | | mg/l | 0.200 | | 78 | 40-115 | | | |

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METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|---------|-----------------|-------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 6J27050 Extracted: 10/27/06 | | | | | | | | | | | |
| Blank Analyzed: 10/27/2006 (6J27050-BLK1) | | | | | | | | | | | |
| GRO (C4 - C12) | ND | 0.10 | 0.050 | mg/l | | | | | | | |
| Surrogate: 4-BFB (FID) | 0.00918 | | | mg/l | 0.0100 | | 92 | 65-140 | | | |
| LCS Analyzed: 10/27/2006 (6J27050-BS1) | | | | | | | | | | | |
| GRO (C4 - C12) | 0.780 | 0.10 | 0.050 | mg/l | 0.800 | | 97 | 65-140 | | | |
| Surrogate: 4-BFB (FID) | 0.0294 | | | mg/l | 0.0300 | | 98 | 65-140 | | | |
| Matrix Spike Analyzed: 10/28/2006 (6J27050-MS1) Source: IPJ1788-07 | | | | | | | | | | | |
| GRO (C4 - C12) | 0.226 | 0.10 | 0.050 | mg/l | 0.220 | ND | 103 | 60-145 | | | |
| Surrogate: 4-BFB (FID) | 0.00847 | | | mg/l | 0.0100 | | 85 | 65-140 | | | |
| Matrix Spike Dup Analyzed: 10/28/2006 (6J27050-MSD1) Source: IPJ1788-07 | | | | | | | | | | | |
| GRO (C4 - C12) | 0.204 | 0.10 | 0.050 | mg/l | 0.220 | ND | 93 | 60-145 | 10 | 20 | |
| Surrogate: 4-BFB (FID) | 0.00870 | | | mg/l | 0.0100 | | 87 | 65-140 | | | |

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METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|---------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 6J30068 Extracted: 10/30/06 | | | | | | | | | | | |
| Blank Analyzed: 10/31/2006 (6J30068-BLK1) | | | | | | | | | | | |
| Aldrin | ND | 0.096 | 0.029 | ug/l | | | | | | | |
| alpha-BHC | ND | 0.096 | 0.019 | ug/l | | | | | | | |
| alpha-BHC | ND | 0.0096 | 0.00096 | ug/l | | | | | | | |
| beta-BHC | ND | 0.096 | 0.014 | ug/l | | | | | | | |
| delta-BHC | ND | 0.19 | 0.019 | ug/l | | | | | | | |
| gamma-BHC (Lindane) | ND | 0.096 | 0.019 | ug/l | | | | | | | |
| Chlordane | ND | 0.96 | 0.19 | ug/l | | | | | | | |
| 4,4'-DDD | ND | 0.096 | 0.019 | ug/l | | | | | | | |
| 4,4'-DDE | ND | 0.096 | 0.024 | ug/l | | | | | | | |
| 4,4'-DDT | ND | 0.096 | 0.034 | ug/l | | | | | | | |
| Dieldrin | ND | 0.096 | 0.014 | ug/l | | | | | | | |
| Endosulfan I | ND | 0.096 | 0.014 | ug/l | | | | | | | |
| Endosulfan II | ND | 0.096 | 0.038 | ug/l | | | | | | | |
| Endosulfan sulfate | ND | 0.19 | 0.019 | ug/l | | | | | | | |
| Endrin | ND | 0.096 | 0.019 | ug/l | | | | | | | |
| Endrin aldehyde | ND | 0.096 | 0.043 | ug/l | | | | | | | |
| Endrin ketone | ND | 0.096 | 0.019 | ug/l | | | | | | | |
| Heptachlor | ND | 0.096 | 0.029 | ug/l | | | | | | | |
| Heptachlor epoxide | ND | 0.096 | 0.029 | ug/l | | | | | | | |
| Methoxychlor | ND | 0.096 | 0.034 | ug/l | | | | | | | |
| Toxaphene | ND | 4.8 | 1.4 | ug/l | | | | | | | |
| Surrogate: Tetrachloro-m-xylene | 0.306 | | | ug/l | 0.481 | | 64 | 35-115 | | | |
| Surrogate: Decachlorobiphenyl | 0.328 | | | ug/l | 0.481 | | 68 | 45-120 | | | |
| Surrogate: Tetrachloro-m-xylene | 0.306 | | | ug/l | 0.481 | | 64 | 35-115 | | | |
| Surrogate: Decachlorobiphenyl | 0.328 | | | ug/l | 0.481 | | 68 | 45-120 | | | |
| LCS Analyzed: 10/31/2006 (6J30068-BS1) | | | | | | | | | | | M-NR1 |
| Aldrin | 0.401 | 0.096 | 0.029 | ug/l | 0.481 | | 83 | 35-120 | | | |
| alpha-BHC | 0.394 | 0.0096 | 0.00096 | ug/l | 0.481 | | 82 | 45-120 | | | |
| alpha-BHC | 0.394 | 0.096 | 0.019 | ug/l | 0.481 | | 82 | 45-120 | | | |
| beta-BHC | 0.387 | 0.096 | 0.014 | ug/l | 0.481 | | 80 | 50-120 | | | |
| delta-BHC | 0.404 | 0.19 | 0.019 | ug/l | 0.481 | | 84 | 50-120 | | | |
| gamma-BHC (Lindane) | 0.399 | 0.096 | 0.019 | ug/l | 0.481 | | 83 | 40-120 | | | |
| 4,4'-DDD | 0.391 | 0.096 | 0.019 | ug/l | 0.481 | | 81 | 55-120 | | | |
| 4,4'-DDE | 0.362 | 0.096 | 0.024 | ug/l | 0.481 | | 75 | 50-120 | | | |
| 4,4'-DDT | 0.399 | 0.096 | 0.034 | ug/l | 0.481 | | 83 | 55-120 | | | |

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

The Boeing Company-SSFL
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Canoga Park, CA 91304-1148
Attention: Lori Wynd

Project ID: Boeing-SSFL BMP
Media Test
Report Number: IPJ1500

Sampled: 10/23/06
Received: 10/10/06

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|---------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 6J30068 Extracted: 10/30/06 | | | | | | | | | | | |
| LCS Analyzed: 10/31/2006 (6J30068-BS1) | | | | | | | | | | | M-NR1 |
| Dieldrin | 0.414 | 0.096 | 0.014 | ug/l | 0.481 | | 86 | 50-120 | | | |
| Endosulfan I | 0.407 | 0.096 | 0.014 | ug/l | 0.481 | | 85 | 50-120 | | | |
| Endosulfan II | 0.421 | 0.096 | 0.038 | ug/l | 0.481 | | 88 | 55-120 | | | |
| Endosulfan sulfate | 0.420 | 0.19 | 0.019 | ug/l | 0.481 | | 87 | 60-120 | | | |
| Endrin | 0.419 | 0.096 | 0.019 | ug/l | 0.481 | | 87 | 55-120 | | | |
| Endrin aldehyde | 0.404 | 0.096 | 0.043 | ug/l | 0.481 | | 84 | 55-120 | | | |
| Endrin ketone | 0.467 | 0.096 | 0.019 | ug/l | 0.481 | | 97 | 55-120 | | | |
| Heptachlor | 0.396 | 0.096 | 0.029 | ug/l | 0.481 | | 82 | 40-115 | | | |
| Heptachlor epoxide | 0.414 | 0.096 | 0.029 | ug/l | 0.481 | | 86 | 50-120 | | | |
| Methoxychlor | 0.435 | 0.096 | 0.034 | ug/l | 0.481 | | 90 | 55-120 | | | |
| Surrogate: Tetrachloro-m-xylene | 0.345 | | | ug/l | 0.481 | | 72 | 35-115 | | | |
| Surrogate: Decachlorobiphenyl | 0.425 | | | ug/l | 0.481 | | 88 | 45-120 | | | |
| Surrogate: Tetrachloro-m-xylene | 0.345 | | | ug/l | 0.481 | | 72 | 35-115 | | | |
| Surrogate: Decachlorobiphenyl | 0.425 | | | ug/l | 0.481 | | 88 | 45-120 | | | |
| LCS Dup Analyzed: 10/31/2006 (6J30068-BSD1) | | | | | | | | | | | |
| Aldrin | 0.359 | 0.096 | 0.029 | ug/l | 0.481 | | 75 | 35-120 | 11 | 30 | |
| alpha-BHC | 0.346 | 0.0096 | 0.00096 | ug/l | 0.481 | | 72 | 45-120 | 13 | 30 | |
| alpha-BHC | 0.346 | 0.096 | 0.019 | ug/l | 0.481 | | 72 | 45-120 | 13 | 30 | |
| beta-BHC | 0.358 | 0.096 | 0.014 | ug/l | 0.481 | | 74 | 50-120 | 8 | 30 | |
| delta-BHC | 0.380 | 0.19 | 0.019 | ug/l | 0.481 | | 79 | 50-120 | 6 | 30 | |
| gamma-BHC (Lindane) | 0.361 | 0.096 | 0.019 | ug/l | 0.481 | | 75 | 40-120 | 10 | 30 | |
| 4,4'-DDD | 0.367 | 0.096 | 0.019 | ug/l | 0.481 | | 76 | 55-120 | 6 | 30 | |
| 4,4'-DDE | 0.337 | 0.096 | 0.024 | ug/l | 0.481 | | 70 | 50-120 | 7 | 30 | |
| 4,4'-DDT | 0.372 | 0.096 | 0.034 | ug/l | 0.481 | | 77 | 55-120 | 7 | 30 | |
| Dieldrin | 0.391 | 0.096 | 0.014 | ug/l | 0.481 | | 81 | 50-120 | 6 | 30 | |
| Endosulfan I | 0.384 | 0.096 | 0.014 | ug/l | 0.481 | | 80 | 50-120 | 6 | 30 | |
| Endosulfan II | 0.395 | 0.096 | 0.038 | ug/l | 0.481 | | 82 | 55-120 | 6 | 30 | |
| Endosulfan sulfate | 0.407 | 0.19 | 0.019 | ug/l | 0.481 | | 85 | 60-120 | 3 | 30 | |
| Endrin | 0.394 | 0.096 | 0.019 | ug/l | 0.481 | | 82 | 55-120 | 6 | 30 | |
| Endrin aldehyde | 0.388 | 0.096 | 0.043 | ug/l | 0.481 | | 81 | 55-120 | 4 | 30 | |
| Endrin ketone | 0.452 | 0.096 | 0.019 | ug/l | 0.481 | | 94 | 55-120 | 3 | 30 | |
| Heptachlor | 0.353 | 0.096 | 0.029 | ug/l | 0.481 | | 73 | 40-115 | 11 | 30 | |
| Heptachlor epoxide | 0.390 | 0.096 | 0.029 | ug/l | 0.481 | | 81 | 50-120 | 6 | 30 | |
| Methoxychlor | 0.404 | 0.096 | 0.034 | ug/l | 0.481 | | 84 | 55-120 | 7 | 30 | |
| Surrogate: Tetrachloro-m-xylene | 0.285 | | | ug/l | 0.481 | | 59 | 35-115 | | | |

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

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 Attention: Lori Wynd

Project ID: Boeing-SSFL BMP
 Media Test
 Report Number: IPJ1500

Sampled: 10/23/06
 Received: 10/10/06

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 6J30068 Extracted: 10/30/06 | | | | | | | | | | | |
| LCS Dup Analyzed: 10/31/2006 (6J30068-BSD1) | | | | | | | | | | | |
| Surrogate: Decachlorobiphenyl | 0.371 | | | ug/l | 0.481 | | 77 | 45-120 | | | |
| Surrogate: Tetrachloro-m-xylene | 0.285 | | | ug/l | 0.481 | | 59 | 35-115 | | | |
| Surrogate: Decachlorobiphenyl | 0.371 | | | ug/l | 0.481 | | 77 | 45-120 | | | |

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 Media Test
 Report Number: IPJ1500

Sampled: 10/23/06
 Received: 10/10/06

METHOD BLANK/QC DATA

TOTAL PCBS (EPA 608)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 6J30068 Extracted: 10/30/06 | | | | | | | | | | | |
| Blank Analyzed: 10/31/2006 (6J30068-BLK1) | | | | | | | | | | | |
| Aroclor 1016 | ND | 0.96 | 0.19 | ug/l | | | | | | | |
| Aroclor 1221 | ND | 0.96 | 0.096 | ug/l | | | | | | | |
| Aroclor 1232 | ND | 0.96 | 0.24 | ug/l | | | | | | | |
| Aroclor 1242 | ND | 0.96 | 0.24 | ug/l | | | | | | | |
| Aroclor 1248 | ND | 0.96 | 0.24 | ug/l | | | | | | | |
| Aroclor 1254 | ND | 0.96 | 0.24 | ug/l | | | | | | | |
| Aroclor 1260 | ND | 0.96 | 0.38 | ug/l | | | | | | | |
| Surrogate: Decachlorobiphenyl | 0.399 | | | ug/l | 0.481 | | 83 | 45-120 | | | |
| LCS Analyzed: 10/31/2006 (6J30068-BS2) | | | | | | | | | | | |
| Aroclor 1016 | 3.01 | 0.96 | 0.19 | ug/l | 3.85 | | 78 | 45-115 | | | M-NR1 |
| Aroclor 1260 | 3.47 | 0.96 | 0.38 | ug/l | 3.85 | | 90 | 55-115 | | | |
| Surrogate: Decachlorobiphenyl | 0.363 | | | ug/l | 0.481 | | 75 | 45-120 | | | |
| LCS Dup Analyzed: 10/31/2006 (6J30068-BSD2) | | | | | | | | | | | |
| Aroclor 1016 | 3.45 | 0.96 | 0.19 | ug/l | 3.85 | | 90 | 45-115 | 14 | 30 | |
| Aroclor 1260 | 3.99 | 0.96 | 0.38 | ug/l | 3.85 | | 104 | 55-115 | 14 | 25 | |
| Surrogate: Decachlorobiphenyl | 0.414 | | | ug/l | 0.481 | | 86 | 45-120 | | | |

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Project ID: Boeing-SSFL BMP
 Media Test
 Report Number: IPJ1500

Sampled: 10/23/06
 Received: 10/10/06

METHOD BLANK/QC DATA

METALS

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 6J24066 Extracted: 10/24/06 | | | | | | | | | | | |
| Blank Analyzed: 10/24/2006 (6J24066-BLK1) | | | | | | | | | | | |
| Mercury | ND | 0.20 | 0.15 | ug/l | | | | | | | |
| LCS Analyzed: 10/24/2006 (6J24066-BS1) | | | | | | | | | | | |
| Mercury | 8.25 | 0.20 | 0.15 | ug/l | 8.00 | | 103 | 85-115 | | | |
| Matrix Spike Analyzed: 10/24/2006 (6J24066-MS1) | | | | | | | | | | | |
| | | | | | | Source: IPJ2245-01 | | | | | |
| Mercury | 7.82 | 0.20 | 0.15 | ug/l | 8.00 | ND | 98 | 70-130 | | | |
| Matrix Spike Dup Analyzed: 10/24/2006 (6J24066-MSD1) | | | | | | | | | | | |
| | | | | | | Source: IPJ2245-01 | | | | | |
| Mercury | 7.79 | 0.20 | 0.15 | ug/l | 8.00 | ND | 97 | 70-130 | 0 | 20 | |
| Batch: 6J24078 Extracted: 10/24/06 | | | | | | | | | | | |
| Blank Analyzed: 10/24/2006 (6J24078-BLK1) | | | | | | | | | | | |
| Antimony | ND | 2.0 | 0.050 | ug/l | | | | | | | |
| Cadmium | ND | 1.0 | 0.050 | ug/l | | | | | | | |
| Copper | ND | 2.0 | 0.40 | ug/l | | | | | | | |
| Lead | ND | 1.0 | 0.10 | ug/l | | | | | | | |
| Selenium | ND | 2.0 | N/A | ug/l | | | | | | | |
| Silver | ND | 1.0 | 0.10 | ug/l | | | | | | | |
| Thallium | ND | 1.0 | 0.15 | ug/l | | | | | | | |
| LCS Analyzed: 10/24/2006 (6J24078-BS1) | | | | | | | | | | | |
| Antimony | 89.1 | 2.0 | 0.050 | ug/l | 80.0 | | 111 | 85-115 | | | |
| Cadmium | 80.3 | 1.0 | 0.050 | ug/l | 80.0 | | 100 | 85-115 | | | |
| Copper | 77.8 | 2.0 | 0.40 | ug/l | 80.0 | | 97 | 85-115 | | | |
| Lead | 85.9 | 1.0 | 0.10 | ug/l | 80.0 | | 107 | 85-115 | | | |
| Selenium | 80.1 | 2.0 | N/A | ug/l | 80.0 | | 100 | 85-115 | | | |
| Silver | 90.7 | 1.0 | 0.10 | ug/l | 80.0 | | 113 | 85-115 | | | |
| Thallium | 86.4 | 1.0 | 0.15 | ug/l | 80.0 | | 108 | 85-115 | | | |

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Project ID: Boeing-SSFL BMP
Media Test
Report Number: IPJ1500

Sampled: 10/23/06
Received: 10/10/06

METHOD BLANK/QC DATA

METALS

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 6J24078 Extracted: 10/24/06 | | | | | | | | | | | |
| Matrix Spike Analyzed: 10/24/2006 (6J24078-MS1) | | | | | | Source: IPJ1993-01 | | | | | |
| Antimony | 84.1 | 2.0 | 0.050 | ug/l | 80.0 | 0.32 | 105 | 70-130 | | | |
| Cadmium | 80.5 | 1.0 | 0.050 | ug/l | 80.0 | 0.23 | 100 | 70-130 | | | |
| Copper | 84.1 | 2.0 | 0.40 | ug/l | 80.0 | 6.4 | 97 | 70-130 | | | |
| Lead | 85.7 | 1.0 | 0.10 | ug/l | 80.0 | 6.7 | 99 | 70-130 | | | |
| Selenium | 81.8 | 2.0 | N/A | ug/l | 80.0 | 0.59 | 102 | 70-130 | | | |
| Silver | 83.1 | 1.0 | 0.10 | ug/l | 80.0 | ND | 104 | 70-130 | | | |
| Thallium | 78.9 | 1.0 | 0.15 | ug/l | 80.0 | ND | 99 | 70-130 | | | |
| Matrix Spike Analyzed: 10/24/2006 (6J24078-MS2) | | | | | | Source: IPJ1995-01 | | | | | |
| Antimony | 81.4 | 2.0 | 0.050 | ug/l | 80.0 | 0.13 | 102 | 70-130 | | | |
| Cadmium | 79.9 | 1.0 | 0.050 | ug/l | 80.0 | 0.12 | 100 | 70-130 | | | |
| Copper | 80.5 | 2.0 | 0.40 | ug/l | 80.0 | 4.7 | 95 | 70-130 | | | |
| Lead | 79.0 | 1.0 | 0.10 | ug/l | 80.0 | 1.6 | 97 | 70-130 | | | |
| Selenium | 82.8 | 2.0 | N/A | ug/l | 80.0 | 0.69 | 103 | 70-130 | | | |
| Silver | 81.7 | 1.0 | 0.10 | ug/l | 80.0 | 0.94 | 101 | 70-130 | | | |
| Thallium | 77.1 | 1.0 | 0.15 | ug/l | 80.0 | ND | 96 | 70-130 | | | |
| Matrix Spike Dup Analyzed: 10/24/2006 (6J24078-MSD1) | | | | | | Source: IPJ1993-01 | | | | | |
| Antimony | 84.2 | 2.0 | 0.050 | ug/l | 80.0 | 0.32 | 105 | 70-130 | 0 | 20 | |
| Cadmium | 81.3 | 1.0 | 0.050 | ug/l | 80.0 | 0.23 | 101 | 70-130 | 1 | 20 | |
| Copper | 84.4 | 2.0 | 0.40 | ug/l | 80.0 | 6.4 | 98 | 70-130 | 0 | 20 | |
| Lead | 85.2 | 1.0 | 0.10 | ug/l | 80.0 | 6.7 | 98 | 70-130 | 1 | 20 | |
| Selenium | 83.6 | 2.0 | N/A | ug/l | 80.0 | 0.59 | 104 | 70-130 | 2 | 20 | |
| Silver | 83.7 | 1.0 | 0.10 | ug/l | 80.0 | ND | 105 | 70-130 | 1 | 20 | |
| Thallium | 79.0 | 1.0 | 0.15 | ug/l | 80.0 | ND | 99 | 70-130 | 0 | 20 | |

Batch: 6J24089 Extracted: 10/24/06

Blank Analyzed: 10/29/2006 (6J24089-BLK1)

| | | | | | | | | | | | |
|-----------|------|-------|--------|------|--|--|--|--|--|--|--|
| Arsenic | 7.59 | 10 | 4.4 | ug/l | | | | | | | |
| Barium | ND | 0.010 | 0.0060 | mg/l | | | | | | | |
| Beryllium | ND | 2.0 | 0.90 | ug/l | | | | | | | |
| Boron | ND | 0.050 | 0.0080 | mg/l | | | | | | | |
| Iron | ND | 0.040 | 0.015 | mg/l | | | | | | | |
| Manganese | ND | 20 | 7.0 | ug/l | | | | | | | |
| Nickel | ND | 10 | 2.0 | ug/l | | | | | | | |

J

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Project ID: Boeing-SSFL BMP
 Media Test
 Report Number: IPJ1500

Sampled: 10/23/06
 Received: 10/10/06

METHOD BLANK/QC DATA

METALS

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|--------|-------|-------------|---------------------------|-----------|--------|-----|-----------|-----------------|
| Batch: 6J24089 Extracted: 10/24/06 | | | | | | | | | | | |
| Blank Analyzed: 10/29/2006 (6J24089-BLK1) | | | | | | | | | | | |
| Zinc | ND | 20 | 15 | ug/l | | | | | | | |
| LCS Analyzed: 10/29/2006 (6J24089-BS1) | | | | | | | | | | | |
| Arsenic | 528 | 10 | 4.4 | ug/l | 500 | | 106 | 85-115 | | | |
| Barium | 0.493 | 0.010 | 0.0060 | mg/l | 0.500 | | 99 | 85-115 | | | |
| Beryllium | 494 | 2.0 | 0.90 | ug/l | 500 | | 99 | 85-115 | | | |
| Boron | 0.485 | 0.050 | 0.0080 | mg/l | 0.500 | | 97 | 85-115 | | | |
| Iron | 0.511 | 0.040 | 0.015 | mg/l | 0.500 | | 102 | 85-115 | | | |
| Manganese | 524 | 20 | 7.0 | ug/l | 500 | | 105 | 85-115 | | | |
| Nickel | 506 | 10 | 2.0 | ug/l | 500 | | 101 | 85-115 | | | |
| Zinc | 500 | 20 | 15 | ug/l | 500 | | 100 | 85-115 | | | |
| Matrix Spike Analyzed: 10/29/2006 (6J24089-MS1) | | | | | | | | | | | |
| | | | | | | Source: IPJ2146-01 | | | | | |
| Arsenic | 544 | 10 | 4.4 | ug/l | 500 | 9.2 | 107 | 70-130 | | | |
| Barium | 0.547 | 0.010 | 0.0060 | mg/l | 0.500 | 0.063 | 97 | 70-130 | | | |
| Beryllium | 503 | 2.0 | 0.90 | ug/l | 500 | ND | 101 | 70-130 | | | |
| Boron | 0.947 | 0.050 | 0.0080 | mg/l | 0.500 | 0.43 | 103 | 70-130 | | | |
| Iron | 0.534 | 0.040 | 0.015 | mg/l | 0.500 | 0.042 | 98 | 70-130 | | | |
| Manganese | 684 | 20 | 7.0 | ug/l | 500 | 160 | 105 | 70-130 | | | |
| Nickel | 562 | 10 | 2.0 | ug/l | 500 | 85 | 95 | 70-130 | | | |
| Zinc | 501 | 20 | 15 | ug/l | 500 | 9.6 | 98 | 70-130 | | | |
| Matrix Spike Analyzed: 10/29/2006 (6J24089-MS2) | | | | | | | | | | | |
| | | | | | | Source: IPJ2146-02 | | | | | |
| Arsenic | 537 | 10 | 4.4 | ug/l | 500 | 12 | 105 | 70-130 | | | |
| Barium | 0.548 | 0.010 | 0.0060 | mg/l | 0.500 | 0.069 | 96 | 70-130 | | | |
| Beryllium | 482 | 2.0 | 0.90 | ug/l | 500 | ND | 96 | 70-130 | | | |
| Boron | 0.933 | 0.050 | 0.0080 | mg/l | 0.500 | 0.44 | 99 | 70-130 | | | |
| Iron | 0.630 | 0.040 | 0.015 | mg/l | 0.500 | 0.15 | 96 | 70-130 | | | |
| Manganese | 781 | 20 | 7.0 | ug/l | 500 | 300 | 96 | 70-130 | | | |
| Nickel | 560 | 10 | 2.0 | ug/l | 500 | 94 | 93 | 70-130 | | | |
| Zinc | 494 | 20 | 15 | ug/l | 500 | 13 | 96 | 70-130 | | | |

TestAmerica - Irvine, CA
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 Attention: Lori Wynd

Project ID: Boeing-SSFL BMP
 Media Test
 Report Number: IPJ1500

Sampled: 10/23/06
 Received: 10/10/06

METHOD BLANK/QC DATA

METALS

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|--------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 6J24089 Extracted: 10/24/06 | | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 10/29/2006 (6J24089-MSD1) | | | | | | Source: IPJ2146-01 | | | | | |
| Arsenic | 539 | 10 | 4.4 | ug/l | 500 | 9.2 | 106 | 70-130 | 1 | 20 | |
| Barium | 0.543 | 0.010 | 0.0060 | mg/l | 0.500 | 0.063 | 96 | 70-130 | 1 | 20 | |
| Beryllium | 500 | 2.0 | 0.90 | ug/l | 500 | ND | 100 | 70-130 | 1 | 20 | |
| Boron | 0.941 | 0.050 | 0.0080 | mg/l | 0.500 | 0.43 | 102 | 70-130 | 1 | 20 | |
| Iron | 0.536 | 0.040 | 0.015 | mg/l | 0.500 | 0.042 | 99 | 70-130 | 0 | 20 | |
| Manganese | 684 | 20 | 7.0 | ug/l | 500 | 160 | 105 | 70-130 | 0 | 20 | |
| Nickel | 562 | 10 | 2.0 | ug/l | 500 | 85 | 95 | 70-130 | 0 | 20 | |
| Zinc | 501 | 20 | 15 | ug/l | 500 | 9.6 | 98 | 70-130 | 0 | 20 | |

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Project ID: Boeing-SSFL BMP
 Media Test
 Report Number: IPJ1500

Sampled: 10/23/06
 Received: 10/10/06

METHOD BLANK/QC DATA

INORGANICS

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|----------|-------------|----------------------------|------|-------------|-----|-----------|-----------------|
| <u>Batch: 6J23137 Extracted: 10/23/06</u> | | | | | | | | | | | |
| Blank Analyzed: 10/23/2006 (6J23137-BLK1) | | | | | | | | | | | |
| Chromium VI | ND | 1.0 | 0.10 | ug/l | | | | | | | |
| LCS Analyzed: 10/23/2006 (6J23137-BS1) | | | | | | | | | | | |
| Chromium VI | 48.4 | 1.0 | 0.10 | ug/l | 50.0 | | 97 | 90-110 | | | |
| LCS Dup Analyzed: 10/23/2006 (6J23137-BSD1) | | | | | | | | | | | |
| Chromium VI | 48.3 | 1.0 | 0.10 | ug/l | 50.0 | | 97 | 90-110 | 0 | 10 | |
| <u>Batch: 6J24068 Extracted: 10/24/06</u> | | | | | | | | | | | |
| Blank Analyzed: 10/24/2006 (6J24068-BLK1) | | | | | | | | | | | |
| Total Dissolved Solids | ND | 10 | 10 | mg/l | | | | | | | |
| Blank Analyzed: 10/24/2006 (6J24068-BLK2) | | | | | | | | | | | |
| Total Dissolved Solids | ND | 10 | 10 | mg/l | | | | | | | |
| LCS Analyzed: 10/24/2006 (6J24068-BS1) | | | | | | | | | | | |
| Total Dissolved Solids | 994 | 10 | 10 | mg/l | 1000 | | 99 | 90-110 | | | |
| Duplicate Analyzed: 10/24/2006 (6J24068-DUP1) | | | | | | | | | | | |
| Total Dissolved Solids | 1120 | 10 | 10 | mg/l | | Source: IPJ2263-01 1100 | | | 2 | 10 | |
| <u>Batch: 6J24080 Extracted: 10/24/06</u> | | | | | | | | | | | |
| Duplicate Analyzed: 10/24/2006 (6J24080-DUP1) | | | | | | | | | | | |
| pH | 9.40 | NA | N/A | pH Units | | Source: IPJ1500-02 9.39 | | | 0 | 5 | |

TestAmerica - Irvine, CA
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 Project Manager

The Boeing Company-SSFL
5800 Woolsey Canyon Road
Canoga Park, CA 91304-1148
Attention: Lori Wynd

Project ID: Boeing-SSFL BMP
Media Test
Report Number: IPJ1500

Sampled: 10/23/06
Received: 10/10/06

METHOD BLANK/QC DATA

INORGANICS

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|----------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 6J24080 Extracted: 10/24/06 | | | | | | | | | | | |
| Duplicate Analyzed: 10/24/2006 (6J24080-DUP2) | | | | | | Source: IPJ2297-02 | | | | | |
| pH | 7.42 | NA | N/A | pH Units | | 7.41 | | | 0 | 5 | |
| Batch: 6J24129 Extracted: 10/24/06 | | | | | | | | | | | |
| Blank Analyzed: 10/24/2006 (6J24129-BLK1) | | | | | | | | | | | |
| Chloride | ND | 0.50 | 0.10 | mg/l | | | | | | | |
| Fluoride | ND | 0.50 | 0.15 | mg/l | | | | | | | |
| Nitrate-N | ND | 0.11 | N/A | mg/l | | | | | | | |
| Nitrite-N | ND | 0.15 | N/A | mg/l | | | | | | | |
| Nitrate/Nitrite-N | ND | 0.26 | 0.15 | mg/l | | | | | | | |
| Sulfate | ND | 0.50 | 0.15 | mg/l | | | | | | | |
| LCS Analyzed: 10/24/2006 (6J24129-BS1) | | | | | | | | | | | |
| Chloride | 4.86 | 0.50 | 0.10 | mg/l | 5.00 | | 97 | 90-110 | | | |
| Fluoride | 4.98 | 0.50 | 0.15 | mg/l | 5.00 | | 100 | 90-110 | | | |
| Nitrate-N | 1.09 | 0.11 | N/A | mg/l | 1.13 | | 96 | 90-110 | | | |
| Nitrite-N | 1.61 | 0.15 | N/A | mg/l | 1.52 | | 106 | 90-110 | | | |
| Sulfate | 9.82 | 0.50 | 0.15 | mg/l | 10.0 | | 98 | 90-110 | | | |
| Matrix Spike Analyzed: 10/24/2006 (6J24129-MS1) | | | | | | Source: IPJ1500-02 | | | | | |
| Chloride | 5.91 | 0.50 | 0.10 | mg/l | 5.00 | 0.94 | 99 | 80-120 | | | |
| Fluoride | 5.76 | 0.50 | 0.15 | mg/l | 5.00 | 0.73 | 101 | 80-120 | | | |
| Nitrate-N | 1.12 | 0.11 | N/A | mg/l | 1.13 | ND | 99 | 80-120 | | | |
| Nitrite-N | 1.65 | 0.15 | N/A | mg/l | 1.52 | ND | 109 | 80-120 | | | |
| Sulfate | 19.3 | 0.50 | 0.15 | mg/l | 10.0 | 9.2 | 101 | 80-120 | | | |
| Matrix Spike Dup Analyzed: 10/24/2006 (6J24129-MSD1) | | | | | | Source: IPJ1500-02 | | | | | |
| Chloride | 5.81 | 0.50 | 0.10 | mg/l | 5.00 | 0.94 | 97 | 80-120 | 2 | 20 | |
| Fluoride | 5.73 | 0.50 | 0.15 | mg/l | 5.00 | 0.73 | 100 | 80-120 | 1 | 20 | |
| Nitrate-N | 1.11 | 0.11 | N/A | mg/l | 1.13 | ND | 98 | 80-120 | 1 | 20 | |
| Nitrite-N | 1.63 | 0.15 | N/A | mg/l | 1.52 | ND | 107 | 80-120 | 1 | 20 | |
| Sulfate | 19.1 | 0.50 | 0.15 | mg/l | 10.0 | 9.2 | 99 | 80-120 | 1 | 20 | |

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 Attention: Lori Wynd

Project ID: Boeing-SSFL BMP
 Media Test
 Report Number: IPJ1500

Sampled: 10/23/06
 Received: 10/10/06

METHOD BLANK/QC DATA

INORGANICS

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 6J24131 Extracted: 10/24/06 | | | | | | | | | | | |
| Blank Analyzed: 10/24/2006 (6J24131-BLK1) | | | | | | | | | | | |
| Surfactants (MBAS) | ND | 0.10 | 0.044 | mg/l | | | | | | | |
| LCS Analyzed: 10/24/2006 (6J24131-BS1) | | | | | | | | | | | |
| Surfactants (MBAS) | 0.249 | 0.10 | 0.044 | mg/l | 0.250 | | 100 | 90-110 | | | |
| Matrix Spike Analyzed: 10/24/2006 (6J24131-MS1) | | | | | | | | | | | |
| Surfactants (MBAS) | 0.254 | 0.10 | 0.044 | mg/l | 0.250 | 0.049 | 82 | 50-125 | | | |
| Matrix Spike Dup Analyzed: 10/24/2006 (6J24131-MSD1) | | | | | | | | | | | |
| Surfactants (MBAS) | 0.256 | 0.10 | 0.044 | mg/l | 0.250 | 0.049 | 83 | 50-125 | 1 | 20 | |
| Batch: 6J25148 Extracted: 10/25/06 | | | | | | | | | | | |
| Blank Analyzed: 10/25/2006 (6J25148-BLK1) | | | | | | | | | | | |
| Ammonia-N (Distilled) | ND | 0.50 | 0.30 | mg/l | | | | | | | |
| LCS Analyzed: 10/25/2006 (6J25148-BS1) | | | | | | | | | | | |
| Ammonia-N (Distilled) | 11.2 | 0.50 | 0.30 | mg/l | 10.0 | | 112 | 80-115 | | | |
| Matrix Spike Analyzed: 10/25/2006 (6J25148-MS1) | | | | | | | | | | | |
| Ammonia-N (Distilled) | 11.8 | 0.50 | 0.30 | mg/l | 10.0 | 1.4 | 104 | 70-120 | | | |
| Matrix Spike Dup Analyzed: 10/25/2006 (6J25148-MSD1) | | | | | | | | | | | |
| Ammonia-N (Distilled) | 12.0 | 0.50 | 0.30 | mg/l | 10.0 | 1.4 | 106 | 70-120 | 2 | 15 | |
| Batch: 6J26112 Extracted: 10/26/06 | | | | | | | | | | | |
| Blank Analyzed: 10/26/2006 (6J26112-BLK1) | | | | | | | | | | | |
| Perchlorate | ND | 4.0 | N/A | ug/l | | | | | | | |

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Media Test
Report Number: IPJ1500

Sampled: 10/23/06
Received: 10/10/06

METHOD BLANK/QC DATA

INORGANICS

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 6J26112 Extracted: 10/26/06 | | | | | | | | | | | |
| LCS Analyzed: 10/26/2006 (6J26112-BS1) | | | | | | | | | | | |
| Perchlorate | 51.8 | 4.0 | N/A | ug/l | 50.0 | | 104 | 85-115 | | | |
| Matrix Spike Analyzed: 10/26/2006 (6J26112-MS1) | | | | | | | | | | | |
| | | | | | | Source: IPJ1500-02 | | | | | |
| Perchlorate | 53.6 | 20 | N/A | ug/l | 50.0 | ND | 107 | 80-120 | | | |
| Matrix Spike Dup Analyzed: 10/26/2006 (6J26112-MSD1) | | | | | | | | | | | |
| | | | | | | Source: IPJ1500-02 | | | | | |
| Perchlorate | 59.5 | 20 | N/A | ug/l | 50.0 | ND | 119 | 80-120 | 10 | 20 | |
| Batch: 6J27124 Extracted: 10/27/06 | | | | | | | | | | | |
| Blank Analyzed: 10/27/2006 (6J27124-BLK1) | | | | | | | | | | | |
| Total Cyanide | ND | 5.0 | 2.2 | ug/l | | | | | | | |
| LCS Analyzed: 10/27/2006 (6J27124-BS1) | | | | | | | | | | | |
| Total Cyanide | 200 | 5.0 | 2.2 | ug/l | 200 | | 100 | 90-110 | | | |
| Matrix Spike Analyzed: 10/27/2006 (6J27124-MS1) | | | | | | | | | | | |
| | | | | | | Source: IPJ2204-01 | | | | | |
| Total Cyanide | 199 | 5.0 | 2.2 | ug/l | 200 | 4.2 | 97 | 70-115 | | | |
| Matrix Spike Dup Analyzed: 10/27/2006 (6J27124-MSD1) | | | | | | | | | | | |
| | | | | | | Source: IPJ2204-01 | | | | | |
| Total Cyanide | 202 | 5.0 | 2.2 | ug/l | 200 | 4.2 | 99 | 70-115 | 1 | 15 | |
| Batch: 6J30081 Extracted: 10/30/06 | | | | | | | | | | | |
| Blank Analyzed: 10/30/2006 (6J30081-BLK1) | | | | | | | | | | | |
| Oil & Grease | ND | 5.0 | 0.94 | mg/l | | | | | | | |

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Project ID: Boeing-SSFL BMP
Media Test
Report Number: IPJ1500

Sampled: 10/23/06
Received: 10/10/06

METHOD BLANK/QC DATA

INORGANICS

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 6J30081 Extracted: 10/30/06 | | | | | | | | | | | |
| LCS Analyzed: 10/30/2006 (6J30081-BS1) | | | | | | | | | | | |
| Oil & Grease | 17.5 | 5.0 | 0.94 | mg/l | 20.0 | | 88 | 65-120 | | | M-NRI |
| LCS Dup Analyzed: 10/30/2006 (6J30081-BSD1) | | | | | | | | | | | |
| Oil & Grease | 16.7 | 5.0 | 0.94 | mg/l | 20.0 | | 84 | 65-120 | 5 | 20 | |

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Media Test
Report Number: IPJ1500

Sampled: 10/23/06
Received: 10/10/06

DATA QUALIFIERS AND DEFINITIONS

- J** Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
- M-NR1** There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
- RL-1** Reporting limit raised due to sample matrix effects.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

ADDITIONAL COMMENTS

For GRO (C4-C12):

GRO (C4-C12) is quantitated against a gasoline standard. Quantitation begins immediately following the methanol peak.

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

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Project ID: Boeing-SSFL BMP
 Media Test
 Report Number: IPJ1500

Sampled: 10/23/06
 Received: 10/10/06

Certification Summary

TestAmerica - Irvine, CA

| Method | Matrix | Nelac | California |
|---------------|--------|-------|------------|
| 1613A/1613B | Water | | |
| EPA 150.1 | Water | X | X |
| EPA 200.7 | Water | X | X |
| EPA 200.8 | Water | X | X |
| EPA 218.6 | Water | N/A | X |
| EPA 245.1 | Water | X | X |
| EPA 300.0 | Water | X | X |
| EPA 314.0 | Water | N/A | X |
| EPA 335.2 | Water | X | X |
| EPA 350.2 | Water | | X |
| EPA 413.1 | Water | X | X |
| EPA 418.1 | Water | X | X |
| EPA 608 | Water | X | X |
| EPA 8015 Mod. | Water | X | X |
| EPA 8015B | Water | X | X |
| SM2540C | Water | X | X |
| SM5540-C | Water | X | X |

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

Subcontracted Laboratories

Alta Analytical NELAC Cert #02102CA, California Cert #1640, Nevada Cert #CA-413

1104 Windfield Way - El Dorado Hills, CA 95762

Analysis Performed: 1613-Dioxin-HR-Alta

Samples: IPJ1500-02

TestAmerica - Irvine, CA

Michele Chamberlin

Project Manager



October 30, 2006

Alta Project I.D.: 28284

Ms. Michele Chamberlin
Test America-Irvine
17461 Derian Avenue
Suite 100
Irvine, CA 92614

Dear Ms. Chamberlin,

Enclosed are the results for the two aqueous samples received at Alta Analytical Laboratory on October 24, 2006 under your Project Name "IPJ1500". These samples were extracted and analyzed using EPA Method 1613 for tetra-through-octa chlorinated dioxins and furans. A rush turnaround time was provided for this work.

The following report consists of a Sample Inventory (Section I), Analytical Results (Section II) and the Appendix, which contains the chain-of-custody, a list of data qualifiers and abbreviations, Alta's current certifications, and copies of the raw data (if requested).

Alta Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-933-1640 or by email at mmaier@altalab.com. Thank you for choosing Alta as part of your analytical support team.

Sincerely,

Martha M. Maier
Director of HRMS Services



Alta Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAC for those applicable test methods. This report should not be reproduced except in full without the written approval of ALTA.



Alta Analytical Laboratory, Inc.

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Section I: Sample Inventory Report

Date Received: 10/24/2006

Alta Lab. ID

Client Sample ID

28284-001

IPJ1500-02

28284-002

BLANK

SECTION II

| Method Blank | | | | | EPA Method 1613 | | | | |
|---------------------|--------------|-----------------|-------------------|-------------|---|---------------------|----------------------|-----------------------|----|
| Matrix: | Aqueous | QC Batch No.: | 8513 | Lab Sample: | 0-MB001 | Date Analyzed DB-5: | 27-Oct-06 | Date Analyzed DB-225: | NA |
| Sample Size: | 1.00 L | Date Extracted: | 25-Oct-06 | | | | | | |
| Analyte | Conc. (ug/L) | DL ^a | EMPC ^b | Qualifiers | Labeled Standard | %R | LCL-UCL ^d | Qualifiers | |
| 2,3,7,8-TCDD | ND | 0.00000114 | | | IS 13C-2,3,7,8-TCDD | 89.9 | 25 - 164 | | |
| 1,2,3,7,8-PeCDD | ND | 0.00000167 | | | 13C-1,2,3,7,8-PeCDD | 90.5 | 25 - 181 | | |
| 1,2,3,4,7,8-HxCDD | ND | 0.00000129 | | | 13C-1,2,3,4,7,8-HxCDD | 84.1 | 32 - 141 | | |
| 1,2,3,6,7,8-HxCDD | ND | 0.00000136 | | | 13C-1,2,3,6,7,8-HxCDD | 79.8 | 28 - 130 | | |
| 1,2,3,7,8,9-HxCDD | ND | 0.00000126 | | | 13C-1,2,3,4,6,7,8-HpCDD | 68.5 | 23 - 140 | | |
| 1,2,3,4,6,7,8-HpCDD | ND | 0.00000136 | | | 13C-OCDD | 59.5 | 17 - 157 | | |
| OCDD | ND | 0.00000420 | | | 13C-2,3,7,8-TCDF | 97.8 | 24 - 169 | | |
| 2,3,7,8-TCDF | ND | 0.000000998 | | | 13C-1,2,3,7,8-PeCDF | 96.2 | 24 - 185 | | |
| 1,2,3,7,8-PeCDF | ND | 0.00000104 | | | 13C-2,3,4,7,8-PeCDF | 95.5 | 21 - 178 | | |
| 2,3,4,7,8-PeCDF | ND | 0.000000988 | | | 13C-1,2,3,4,7,8-HxCDF | 87.8 | 26 - 152 | | |
| 1,2,3,4,7,8-HxCDF | ND | 0.000000542 | | | 13C-1,2,3,6,7,8-HxCDF | 84.9 | 26 - 123 | | |
| 1,2,3,6,7,8-HxCDF | ND | 0.000000510 | | | 13C-2,3,4,6,7,8-HxCDF | 79.1 | 28 - 136 | | |
| 2,3,4,6,7,8-HxCDF | ND | 0.000000596 | | | 13C-1,2,3,7,8,9-HxCDF | 81.7 | 29 - 147 | | |
| 1,2,3,7,8,9-HxCDF | ND | 0.000000846 | | | 13C-1,2,3,4,6,7,8-HpCDF | 66.4 | 28 - 143 | | |
| 1,2,3,4,6,7,8-HpCDF | ND | 0.000000865 | | | 13C-1,2,3,4,7,8,9-HpCDF | 67.9 | 26 - 138 | | |
| 1,2,3,4,7,8,9-HpCDF | ND | 0.00000128 | | | 13C-OCDF | 60.3 | 17 - 157 | | |
| OCDF | ND | 0.00000241 | | | CRS 37Cl-2,3,7,8-TCDD | 110 | 35 - 197 | | |
| Totals | | | | | Footnotes | | | | |
| Total TCDD | ND | 0.00000114 | | | a. Sample specific estimated detection limit. | | | | |
| Total PeCDD | ND | 0.00000167 | | | b. Estimated maximum possible concentration. | | | | |
| Total HxCDD | ND | 0.00000130 | | | c. Method detection limit. | | | | |
| Total HpCDD | ND | 0.00000136 | | | d. Lower control limit - upper control limit. | | | | |
| Total TCDF | ND | 0.000000996 | | | | | | | |
| Total PeCDF | ND | 0.00000102 | | | | | | | |
| Total HxCDF | ND | 0.000000609 | | | | | | | |
| Total HpCDF | ND | 0.00000104 | | | | | | | |

Analyst: RAS

Approved By: William J. Luksemburg 28-Oct-2006 09:47

| OPR Results | | | | EPA Method 1613 | | | |
|---------------------|-------------|-----------------|------------|------------------------------|-----------|-----------------------|----|
| Matrix: | Aqueous | QC Batch No.: | 8513 | Lab Sample: | 0-OPR001 | | |
| Sample Size: | 1.00 L | Date Extracted: | 25-Oct-06 | Date Analyzed DB-5: | 27-Oct-06 | Date Analyzed DB-225: | NA |
| Analyte | Spike Conc. | Conc. (ng/mL) | OPR Limits | Labeled Standard | %R | LCL-UCL | |
| 2,3,7,8-TCDD | 10.0 | 9.86 | 6.7 - 15.8 | IS 13C-2,3,7,8-TCDD | 87.5 | 25 - 164 | |
| 1,2,3,7,8-PeCDD | 50.0 | 48.7 | 35 - 71 | 13C-1,2,3,7,8-PeCDD | 87.4 | 25 - 181 | |
| 1,2,3,4,7,8-HxCDD | 50.0 | 46.7 | 35 - 82 | 13C-1,2,3,4,7,8-HxCDD | 86.7 | 32 - 141 | |
| 1,2,3,6,7,8-HxCDD | 50.0 | 47.0 | 38 - 67 | 13C-1,2,3,6,7,8-HxCDD | 83.5 | 28 - 130 | |
| 1,2,3,7,8,9-HxCDD | 50.0 | 47.8 | 32 - 81 | 13C-1,2,3,4,6,7,8-HpCDD | 76.4 | 23 - 140 | |
| 1,2,3,4,6,7,8-HpCDD | 50.0 | 47.8 | 35 - 70 | 13C-OCDD | 68.4 | 17 - 157 | |
| OCDD | 100 | 96.0 | 78 - 144 | 13C-2,3,7,8-TCDF | 84.2 | 24 - 169 | |
| 2,3,7,8-TCDF | 10.0 | 8.34 | 7.5 - 15.8 | 13C-1,2,3,7,8-PeCDF | 81.3 | 24 - 185 | |
| 1,2,3,7,8-PeCDF | 50.0 | 46.3 | 40 - 67 | 13C-2,3,4,7,8-PeCDF | 82.1 | 21 - 178 | |
| 2,3,4,7,8-PeCDF | 50.0 | 46.6 | 34 - 80 | 13C-1,2,3,4,7,8-HxCDF | 86.8 | 26 - 152 | |
| 1,2,3,4,7,8-HxCDF | 50.0 | 46.6 | 36 - 67 | 13C-1,2,3,6,7,8-HxCDF | 85.1 | 26 - 123 | |
| 1,2,3,6,7,8-HxCDF | 50.0 | 44.6 | 42 - 65 | 13C-2,3,4,6,7,8-HxCDF | 82.3 | 28 - 136 | |
| 2,3,4,6,7,8-HxCDF | 50.0 | 45.5 | 35 - 78 | 13C-1,2,3,7,8,9-HxCDF | 85.1 | 29 - 147 | |
| 1,2,3,7,8,9-HxCDF | 50.0 | 44.3 | 39 - 65 | 13C-1,2,3,4,6,7,8-HpCDF | 73.1 | 28 - 143 | |
| 1,2,3,4,6,7,8-HpCDF | 50.0 | 47.1 | 41 - 61 | 13C-1,2,3,4,7,8,9-HpCDF | 76.0 | 26 - 138 | |
| 1,2,3,4,7,8,9-HpCDF | 50.0 | 47.5 | 39 - 69 | 13C-OCDF | 70.9 | 17 - 157 | |
| OCDF | 100 | 92.2 | 63 - 170 | CRS 37Cl-2,3,7,8-TCDD | 109 | 35 - 197 | |

Analyst: RAS

Approved By: William J. Luksemburg 28-Oct-2006 09:47

| Sample ID: IPJ1500-02 | | | | | EPA Method 1613 | | | |
|------------------------------|---------------------|-----------------|-------------------|------------|---|-----------|-----------------------|------------|
| Client Data | | | Sample Data | | Laboratory Data | | | |
| Name: | Test America-Irvine | | Matrix: | Aqueous | Lab Sample: | 28284-001 | Date Received: | 24-Oct-06 |
| Project: | IPJ1500 | | Sample Size: | 1.03 L | QC Batch No.: | 8513 | Date Extracted: | 25-Oct-06 |
| Date Collected: | 23-Oct-06 | | | | Date Analyzed DB-5: | 27-Oct-06 | Date Analyzed DB-225: | NA |
| Time Collected: | 1100 | | | | | | | |
| Analyte | Conc. (ug/L) | DL ^a | EMPC ^b | Qualifiers | Labeled Standard | %R | LCL-UCL ^d | Qualifiers |
| 2,3,7,8-TCDD | ND | 0.00000180 | | | IS 13C-2,3,7,8-TCDD | 67.6 | 25 - 164 | |
| 1,2,3,7,8-PeCDD | ND | 0.00000279 | | | 13C-1,2,3,7,8-PeCDD | 60.1 | 25 - 181 | |
| 1,2,3,4,7,8-HxCDD | ND | 0.00000262 | | | 13C-1,2,3,4,7,8-HxCDD | 50.7 | 32 - 141 | |
| 1,2,3,6,7,8-HxCDD | ND | 0.00000270 | | | 13C-1,2,3,6,7,8-HxCDD | 47.9 | 28 - 130 | |
| 1,2,3,7,8,9-HxCDD | ND | 0.00000253 | | | 13C-1,2,3,4,6,7,8-HpCDD | 31.4 | 23 - 140 | |
| 1,2,3,4,6,7,8-HpCDD | 0.0000165 | | | J | 13C-OCDD | 21.1 | 17 - 157 | |
| OCDD | 0.000295 | | | | 13C-2,3,7,8-TCDF | 66.4 | 24 - 169 | |
| 2,3,7,8-TCDF | ND | 0.00000154 | | | 13C-1,2,3,7,8-PeCDF | 52.2 | 24 - 185 | |
| 1,2,3,7,8-PeCDF | ND | 0.00000173 | | | 13C-2,3,4,7,8-PeCDF | 56.7 | 21 - 178 | |
| 2,3,4,7,8-PeCDF | ND | 0.00000162 | | | 13C-1,2,3,4,7,8-HxCDF | 53.9 | 26 - 152 | |
| 1,2,3,4,7,8-HxCDF | ND | 0.000000890 | | | 13C-1,2,3,6,7,8-HxCDF | 50.3 | 26 - 123 | |
| 1,2,3,6,7,8-HxCDF | ND | 0.000000862 | | | 13C-2,3,4,6,7,8-HxCDF | 43.8 | 28 - 136 | |
| 2,3,4,6,7,8-HxCDF | ND | 0.00000104 | | | 13C-1,2,3,7,8,9-HxCDF | 45.2 | 29 - 147 | |
| 1,2,3,7,8,9-HxCDF | ND | 0.00000154 | | | 13C-1,2,3,4,6,7,8-HpCDF | 31.1 | 28 - 143 | |
| 1,2,3,4,6,7,8-HpCDF | ND | 0.00000374 | | | 13C-1,2,3,4,7,8,9-HpCDF | 31.1 | 26 - 138 | |
| 1,2,3,4,7,8,9-HpCDF | ND | 0.00000406 | | | 13C-OCDF | 22.5 | 17 - 157 | |
| OCDF | ND | 0.0000116 | | | CRS 37Cl-2,3,7,8-TCDD | 106 | 35 - 197 | |
| Totals | | | | | Footnotes | | | |
| Total TCDD | ND | 0.00000180 | | | a. Sample specific estimated detection limit. | | | |
| Total PeCDD | ND | 0.00000279 | | | b. Estimated maximum possible concentration. | | | |
| Total HxCDD | ND | | 0.00000150 | | c. Method detection limit. | | | |
| Total HpCDD | 0.0000316 | | | | d. Lower control limit - upper control limit. | | | |
| Total TCDF | ND | 0.00000154 | | | | | | |
| Total PeCDF | ND | 0.00000168 | | | | | | |
| Total HxCDF | ND | | 0.000000609 | | | | | |
| Total HpCDF | ND | | 0.00000377 | | | | | |

Analyst: RAS

Approved By: William J. Luksemburg 28-Oct-2006 09:47

| Sample ID: BLANK | | | | | EPA Method 1613 | | | |
|-------------------------|---------------------|-----------------|-------------------|------------|---|-----------|-----------------------|------------|
| Client Data | | | Sample Data | | Laboratory Data | | | |
| Name: | Test America-Irvine | | Matrix: | Aqueous | Lab Sample: | 28284-002 | Date Received: | 24-Oct-06 |
| Project: | IPJ1500 | | Sample Size: | 1.02 L | QC Batch No.: | 8513 | Date Extracted: | 25-Oct-06 |
| Date Collected: | NA | | | | Date Analyzed DB-5: | 27-Oct-06 | Date Analyzed DB-225: | NA |
| Time Collected: | | | | | | | | |
| Analyte | Conc. (ug/L) | DL ^a | EMPC ^b | Qualifiers | Labeled Standard | %R | LCL-UCL ^d | Qualifiers |
| 2,3,7,8-TCDD | ND | 0.00000115 | | | IS 13C-2,3,7,8-TCDD | 82.1 | 25 - 164 | |
| 1,2,3,7,8-PeCDD | ND | 0.00000180 | | | 13C-1,2,3,7,8-PeCDD | 79.6 | 25 - 181 | |
| 1,2,3,4,7,8-HxCDD | ND | 0.00000143 | | | 13C-1,2,3,4,7,8-HxCDD | 80.6 | 32 - 141 | |
| 1,2,3,6,7,8-HxCDD | ND | 0.00000148 | | | 13C-1,2,3,6,7,8-HxCDD | 73.9 | 28 - 130 | |
| 1,2,3,7,8,9-HxCDD | ND | 0.00000138 | | | 13C-1,2,3,4,6,7,8-HpCDD | 61.8 | 23 - 140 | |
| 1,2,3,4,6,7,8-HpCDD | ND | 0.00000151 | | | 13C-OCDD | 59.6 | 17 - 157 | |
| OCDD | ND | 0.00000549 | | | 13C-2,3,7,8-TCDF | 90.9 | 24 - 169 | |
| 2,3,7,8-TCDF | ND | 0.00000129 | | | 13C-1,2,3,7,8-PeCDF | 79.0 | 24 - 185 | |
| 1,2,3,7,8-PeCDF | ND | 0.00000124 | | | 13C-2,3,4,7,8-PeCDF | 84.7 | 21 - 178 | |
| 2,3,4,7,8-PeCDF | ND | 0.00000113 | | | 13C-1,2,3,4,7,8-HxCDF | 80.3 | 26 - 152 | |
| 1,2,3,4,7,8-HxCDF | ND | 0.000000391 | | | 13C-1,2,3,6,7,8-HxCDF | 75.9 | 26 - 123 | |
| 1,2,3,6,7,8-HxCDF | ND | 0.000000372 | | | 13C-2,3,4,6,7,8-HxCDF | 75.9 | 28 - 136 | |
| 2,3,4,6,7,8-HxCDF | ND | 0.000000416 | | | 13C-1,2,3,7,8,9-HxCDF | 72.1 | 29 - 147 | |
| 1,2,3,7,8,9-HxCDF | ND | 0.000000673 | | | 13C-1,2,3,4,6,7,8-HpCDF | 55.4 | 28 - 143 | |
| 1,2,3,4,6,7,8-HpCDF | ND | 0.000000575 | | | 13C-1,2,3,4,7,8,9-HpCDF | 61.8 | 26 - 138 | |
| 1,2,3,4,7,8,9-HpCDF | ND | 0.000000772 | | | 13C-OCDF | 55.5 | 17 - 157 | |
| OCDF | ND | 0.00000229 | | | CRS 37Cl-2,3,7,8-TCDD | 117 | 35 - 197 | |
| Totals | | | | | Footnotes | | | |
| Total TCDD | ND | 0.00000115 | | | a. Sample specific estimated detection limit. | | | |
| Total PeCDD | ND | 0.00000180 | | | b. Estimated maximum possible concentration. | | | |
| Total HxCDD | ND | | 0.00000185 | | c. Method detection limit. | | | |
| Total HpCDD | ND | 0.00000151 | | | d. Lower control limit - upper control limit. | | | |
| Total TCDF | ND | 0.00000129 | | | | | | |
| Total PeCDF | ND | 0.00000118 | | | | | | |
| Total HxCDF | ND | 0.000000448 | | | | | | |
| Total HpCDF | ND | 0.000000667 | | | | | | |

Analyst: RAS

Approved By: William J. Luksemburg 28-Oct-2006 09:47

APPENDIX

DATA QUALIFIERS & ABBREVIATIONS

| | |
|-------|--|
| B | This compound was also detected in the method blank. |
| D | The amount reported is the maximum possible concentration due to possible chlorinated diphenylether interference. |
| E | The reported value exceeds the calibration range of the instrument. |
| H | The signal-to-noise ratio is greater than 10:1. |
| I | Chemical interference |
| J | The amount detected is below the Lower Calibration Limit of the instrument. |
| * | See Cover Letter |
| Conc. | Concentration |
| DL | Sample-specific estimated Detection Limit |
| MDL | The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero in the matrix tested. |
| EMPC | Estimated Maximum Possible Concentration |
| NA | Not applicable |
| RL | Reporting Limit – concentrations that corresponds to low calibration point |
| ND | Not Detected |
| TEQ | Toxic Equivalency |

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

| Accrediting Authority | Certificate Number |
|---|---------------------------|
| State of Alaska, DEC | CA413-02 |
| State of Arizona | AZ0639 |
| State of Arkansas, DEQ | 05-013-0 |
| State of Arkansas, DOH | Reciprocity through CA |
| State of California – NELAP Primary AA | 02102CA |
| State of Colorado | |
| State of Connecticut | PH-0182 |
| State of Florida, DEP | E87777 |
| Commonwealth of Kentucky | 90063 |
| State of Louisiana, Health and Hospitals | LA050001 |
| State of Louisiana, DEQ | 01977 |
| State of Maine | CA0413 |
| State of Michigan | 81178087 |
| State of Mississippi | Reciprocity through CA |
| Naval Facilities Engineering Service Center | |
| State of Nevada | CA413 |
| State of New Jersey | CA003 |
| State of New Mexico | Reciprocity through CA |
| State of New York, DOH | 11411 |
| State of North Carolina | 06700 |
| State of North Dakota, DOH | R-078 |
| State of Oklahoma | D9919 |
| State of Oregon | CA200001-002 |
| State of Pennsylvania | 68-00490 |
| State of South Carolina | 87002001 |
| State of Tennessee | 02996 |
| State of Texas | TX247-2005A |
| U.S. Army Corps of Engineers | |
| State of Utah | 9169330940 |
| Commonwealth of Virginia | 00013 |
| State of Washington | C1285 |
| State of Wisconsin | 998036160 |
| State of Wyoming | 8TMS-Q |

TestAmerica

ANALYTICAL TESTING CORPORATION

SUBCONTRACT ORDER - PROJECT # IPJ1500

28284

SENDING LABORATORY:

TestAmerica - Irvine, CA
17461 Derian Avenue, Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Michele Chamberlin

RECEIVING LABORATORY:

Alta Analytical - SUB
1104 Windfield Way
El Dorado Hills, CA 95762
Phone: (916) 933-1640
Fax: (916) 673-0106

0.8°C

Standard TAT is requested unless specific due date is requested => Due Date: 10/31/06 Initials: MC

| Analysis | Expiration | Comments |
|--|---|---|
| Sample ID: IPJ1500-02 Water 1613-Dioxin-HR-Alta | Sampled: 10/23/06 11:00 10/30/06 11:00 | J flags, 17 cngnrs, no TEQ, ug/L, sub=Alta, Boeing EDD, USE BLANK PROVIDED FOR MB |

Containers Supplied:

1 L Amber (IPJ1500-02J)

1 L Amber - blank

SAMPLE INTEGRITY:

All containers intact: Yes No

Sample labels/COC agree: Yes No

Samples Received On Ice: Yes No

Custody Seals Present: Yes No

Samples Preserved Properly: Yes No

Samples Received at (temp): _____

Released By: Va Bank Date: 10/23/06 Time: _____ Received By: F. Bishop Date: 10.24.06 Time: 0905

Released By: _____ Date: _____ Time: _____ Received By: _____ Date: _____ Time: _____

SAMPLE LOG-IN CHECKLIST

Alta Project #: 28284

TAT 10/31/06

| | | | |
|-------------------------|---|-----------------------------------|---|
| Samples Arrival: | Date/Time 10.24.06 0905 | Initials: FEB | Location: WR-2 |
| | | | Shelf/Rack: N/A |
| Logged In: | Date/Time 10/24/06 1126 | Initials: LJB | Location: WR-2 |
| | | | Shelf/Rack: B-2 |
| Delivered By: | <input checked="" type="checkbox"/> FedEx | <input type="checkbox"/> UPS | <input type="checkbox"/> Cal |
| | | <input type="checkbox"/> DHL | <input type="checkbox"/> Hand Delivered |
| | <input type="checkbox"/> Other | | |
| Preservation: | <input checked="" type="checkbox"/> Ice | <input type="checkbox"/> Blue Ice | <input type="checkbox"/> Dry Ice |
| | | <input type="checkbox"/> None | |
| Temp °C 0.8°C | Time: 1005 | Thermometer ID: DT-20 | |

| | | YES | NO | NA |
|--|----------------------|--------|------------------|---------|
| Adequate Sample Volume Received? | | ✓ | | |
| Holding Time Acceptable? | | ✓ | | |
| Shipping Container(s) Intact? | | ✓ | | |
| Shipping Custody Seals Intact? | | ✓ | | |
| Shipping Documentation Present? | | ✓ | | |
| Airbill | Trk # 7900 9982 5969 | ✓ | | |
| Sample Container Intact? | | ✓ | | |
| Sample Custody Seals Intact? | | | | ✓ |
| Chain of Custody / Sample Documentation Present? | | ✓ | | |
| COC Anomaly/Sample Acceptance Form completed? | | | ✓ | |
| If Chlorinated or Drinking Water Samples, Acceptable Preservation? | | | | |
| Na ₂ S ₂ O ₃ Preservation Documented? | | COC | Sample Container | None |
| Shipping Container | Alta | Client | Return | Dispose |

Comments: